

ECTCONN®

AUTOMOTIVE CONNECTOR CATALOGUE

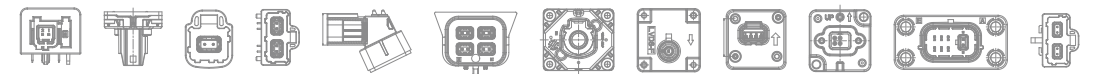


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Changing the life with science and technology

Driving the future with Connectivity

Provide Automotive Connector
and Its Solution for Global Customer





Provide Automotive Connector and Its Solution for Global Customer

Changing the life with science and technology
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- Thailand (Samut Prakan)
- Vietnam(Bac Ninh)

R&D Center

- China (Shenzhen, Shanghai, Nanjing)
- United States (San Diego, Bay Area/San Jose)

Branches

- China (Shenzhen, Dongguan, Suzhou, Nanjing, Hefei, Hongkong)
- Thailand (Samut Prakan)
- Vietnam (Bac Ninh)

Office

- China (Chengdu, Xi'an, Beijing, Taipei)
- South Korea (Seoul)
- Japan (Yokohama)
- United States (San Diego, Bay Area/San Jose)

ABOUT ECT



Provide Automotive Connector
and Its Solution for Global Customer

Year 2006

Founded

422.157 Million CNY

Registering Capital

22

Global Branches

8000+

Employees Worldwide

Electric Connector Technology Co., Ltd. (ECT) was established in 2006 in Shenzhen China with a registered capital of 422.157 million RMB. The company has become public in 2017 at Shenzhen Stock Exchange Market, stock code 300679.SZ. Up to the beginning of 2023, we has 22 branches globally including Taiwan, Hongkong, South Korea, Japan, Thailand, Vietnam and US etc. with more than 8,000 employees worldwide.

After years of dedicated development, ECT has become a professional manufacturer in the fields of RF connector, automotive connector, antenna and electromagnetic shielding products, and our products are widely used in consumer electronics, IoT, communication equipments and automotive electronics and other fields. What's more important is that ECT has complete capability to design and deliver RF products with large volume from component to system level, and we are always committed to providing customers with one-stop RF solutions. ECT's RF connector and cable have an important position and big market share in China, and with significant amount in global market.

ECT has passed ISO9001, ISO14001, IATF16949, ISO45001, QC080000 certification and the CNAS qualification audit and conformity assessment, we have excellent qualifications and will be dedicated to provide you with excellent service.



5G



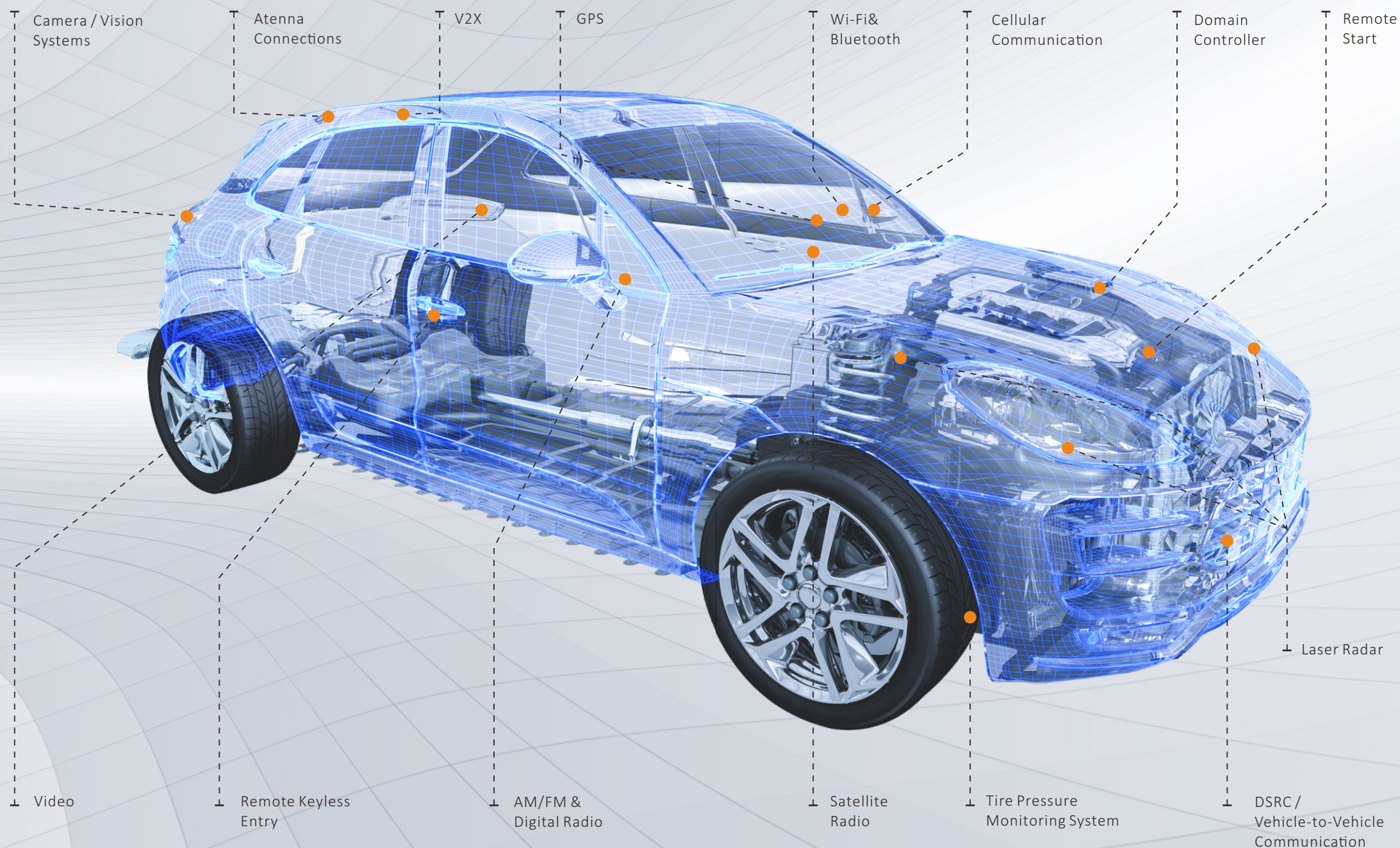


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09 Other Series	
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Fakra Connector Series



01.1 Fakra PCB Plug Connector

Item	Product Name	Draw No.	Description	Image	Page
1	Fakra PCB Plug	600-10205-01	R/A, L=22.85mm, Short Lock, $\phi=1.30\text{mm}$, Foot Length=3.10mm, Type A~ Type Z with Wave-soldering		35
2	Fakra PCB Plug	600-11322-01	R/A, L=22.85mm, Short Lock, $\phi=1.30\text{mm}$, Foot Length=3.10mm, Type A~ Type Z, High Temperature Resistance with Reflow Soldering		35
3	Fakra PCB Plug	600-4430-01	R/A, L=22.85mm, $\phi=1.30\text{mm}$, Foot Length=3.10mm, Type A~ Type Z with Wave-soldering		35
4	Fakra PCB Plug	600-4892-01	R/A, L=22.85mm, $\phi=1.30\text{mm}$, Foot Length=4.0mm, Type A~ Type Z with Wave-soldering		36
5	Fakra PCB Plug	600-4026-01	R/A, Short Type, L=20.95mm, $\phi=1.30\text{mm}$, Foot Length=2.62mm, Type A~ Type Z with Wave-soldering		36
6	Fakra PCB Plug	600-12126-01	R/A, Short Type, L=20.95mm, $\phi=1.30\text{mm}$, Foot Length=2.62mm, Type A~ Type Z with Reflow Soldering		36
7	Fakra PCB Plug	600-3801-01	R/A, L=20.95mm, $\phi=1.30\text{mm}$, Foot Length=2.40mm, Type A~ Type Z with SMT		37
8	Fakra PCB Plug	600-11985-01	R/A, L=22.85mm, $\phi=1.30\text{mm}$, Foot Length=4.0mm, Type A~ Type Z with Reflow Soldering		37
9	Fakra PCB Plug Dual	600-12074-01	Fakra PCB Connector, R/A, Dual, L=21.4mm, Type A~ Type Z with Reflow Soldering		37
10	Fakra PCB Plug	600-3935-01	Fakra Plug, V/T, H=15.05mm, $\phi=1.10\text{mm}$, Foot Length=2.60mm, Type A~ Type Z with Wave-soldering		38
11	Fakra PCB Plug	600-11001-01	Fakra Plug, V/T, H=14.30mm, $\phi=1.10\text{mm}$, Foot Length=3.90mm, Type A~ Type Z with Wave-soldering		38
12	Fakra PCB Plug	600-10669-01	Fakra Plug, V/T, H=15.50mm, $\phi=1.50\text{mm}$, Foot Length=2.5mm, Type A~ Type Z with Reflow Soldering		38



01.1 Fakra PCB Plug Connector

Item	Product Name	Draw No.	Description	Image	Page
13	Fakra PCB Plug	600-11015-01	Fakra Plug, V/T, H=18.45mm, ø=1.40mm, Foot Length=3.8mm, Type A~ Type Z with Reflow Soldering		39
14	Fakra PCB Plug	600-13173-01	R/A, L=22.85mm, Short Lock, ø=1.30mm, Foot Length=2.00mm, Type A~ Type Z, High Temperature Resistance with Reflow Soldering		39
15	Fakra PCB Plug, Dual	600-11613-01	Fakra Plug, Dual, PCB Connector, V/T, H=18.90mm, Type A~ Type Z with Reflow Soldering		39
16	Fakra PCB Plug, Dual	600-14329-01	Fakra PCB Connector, R/A, Dual		40
17	Fakra 1+2 PCB Plug	600-14912-01	Fakra 1+2 Connector, V/T, Plug for PCB		40
18	Fakra 1+2 PCB Plug	600-14899-01	Fakra 1+2 Connector, R/A, Plug for PCB		40
19	Fakra PCB Plug	600-16006-01	R/A, L=20.95mm, ø=1.30mm, Foot Length=2.40mm, Type A~ Type Z with SMT		41
20	Fakra PCB Plug	600-17134-01	R/A, W=7.3mm, Type A~ Type Z		41
21	Fakra PCB Plug	600-31420-01	R/A, W=10.00mm, Type A~ Type Z		41



1.2 Fakra Cable Plug Connector

Item	Product Name	Draw No.	Description	Image	Page
1	Fakra Cable Plug Terminal	600-4816-01	Fakra III Cable Plug Terminal, Assy for Plug Connector (RG174/RG316)		42
2	Fakra Cable Plug Housing	600-10624-01	Fakra Cable Connector, Single Plug Housing, Type A~Type Z		42
3	Fakra Cable Plug	600-11628-01	Fakra Cable Connector, Plug with Metal Housing, Waterproof		42
4	Fakra Cable Double Plug Housing	600-10700-01	Fakra Cable Connector, Double Plug Housing, Type A~Type Z		43
5	Fakra Cable Plug	600-13084-01	Fakra Cable Connector, Plug, without Calbe Lock, Waterproof		43
6	Fakra Cable Plug	600-12584-01	Fakra Cable Connector, Plug, V/T, with Calbe Lock, Waterproof		43
7	Fakra Cable Plug	600-15482-02	Fakra Cable, Plug Housing, Quadruple		44
8	Fakra 1+2 Cable Plug	600-14890-01	Fakra 1+2 Cable Connector, Plug		44
9	Fakra Plug Terminal	600-18731-01	Fakra III Plug Terminal, Assy for Jack Connector, (RTK031)		44
10	Fakra Plug Terminal	600-15843-01	Fakra II Plug Connector, Automata Version		45
11	Fakra Cable Plug Housing	600-13216-01	Fakra Cable Connector, Single Plug Housing, Type A~Type Z		45
12	Fakra Cable Double Plug (With Cable Lock T0.8)	600-27875-01	Double Plug, L=26.10mm, W=17.50mm, H=15.85mm, Type A~ Type Z		45
13	Fakra Cable Double Plug (With Cable Lock T1.0)	600-28020-01	Double Plug, L=26.10mm, W=17.50mm, H=15.85mm, Type A~ Type Z		46

Fakra Connector Series



1.3 Fakra Cable Jack Connector

Item	Product Name	Draw No.	Description	Image	Page
1	Fakra Cable Jack	600-11481-01	Fakra Cable Connector, Jack, Waterproof, Type A ~ Type Z		47
2	Fakra Cable Jack	600-12457-01	Fakra Cable Connector, Jack, V/T, with Cable Lock, Waterproof, Type A ~ Type Z		47
3	Fakra Cable Jack Housing	600-10590-01	Fakra Cable Connector, Single Jack Housing, without Cable Lock, Type A ~ Type Z		47
4	Fakra Cable Jack	600-11880-01	Fakra Cable Connector, Jack, R/A, Waterproof		48
5	Fakra Cable Jack	600-13585-01	Fakra Cable Connector, Jack, R/A, Waterproof		48
6	Fakra Cable Double Jack Housing	600-12957-01	Fakra Cable Housing, Double Jack Housing with Second Lock, Type A ~ Type Z		48
7	Fakra Cable Double Jack Housing	600-13507-01	Fakra Cable Housing, Double Jack Housing without Cable Lock, Type A ~ Type Z		49
8	Fakra Cable Jack	600-15481-01	Fakra Cable, Jack Housing, Quadruple		49
9	Fakra Cable Jack	600-14580-01	Fakra Cable Connector, Jack, R/A		49
10	Fakra Cable Jack	600-15795-01	Fakra Cable Connector, Jack, R/A, Waterproof, Type A ~ Type Z, 3.3		50
11	Fakra Cable Jack	600-15738-01	Fakra Cable, Jack Housing, Quadruple, With Lock		50
12	Fakra Cable Double Jack Housing	600-16224-01	Fakra Cable Housing, Double Jack Housing with Cable Lock, Type A ~ Type Z		50

Fakra Connector Series



1.3 Fakra Cable Jack Connector

Item	Product Name	Draw No.	Description	Image	Page
13	Fakra Cable Jack	600-15884-01	Fakra Cable Connector, Jack, R/A, 3.3		51
14	Fakra Cable Jack	600-14026-01	Fakra Cable Housing, Single Jack Housing, with Cable Lock, Type A ~ Type Z		51
15	Fakra Cable Jack	600-23762-01	Fakra Cable, Jack, R/A, L=13.4mm, W=9.5mm, Type A ~ Type Z (RG174/RG316)		51
16	Fakra Cable Jack (Short Type)	600-25860-01	Fakra Cable, Jack, R/A, Waterproof, Type A ~ Type Z (Short Type)		52
17	Fakra Cable Jack (Great Resistance)	600-30487-01	Fakra Cable, Jack, R/A, Waterproof, Water Blue, Type A ~ Type Z for Not-Rotate		52
18	Fakra Cable Jack	600-12185-01	Fakra Cable, Jack, R/A, Waterproof, Type A ~ Type Z		52
19	Fakra Jack Terminal	600-15842-01	Fakra II Jack Connector, Automata Version (RG174/RG316)		53
20	Fakra Plug Terminal	600-18742-01	Fakra III Jack Terminal, Assy for Plug Connector, 3.3 Cable (RTK031)		53
21	Fakra Plug Terminal	600-4830-01	Fakra III Jack Terminal, Assy for Jack (RG174/RG316)		53
22	Fakra Plug Terminal	600-23104-01	Fakra IV Jack Terminal, Assy for Jack (RG174/RG316)		54
23	Fakra Plug Terminal	600-26801-01	Fakra IV Jack Terminal, Assy for Jack (RTK031)		54

Mini Fakra Connector Series



2.1 MINI Fakra PCB Plug Connector

Item	Product Name	Draw No.	Description	Image	Page
1	R-MF PCB Plug	600-19569-01	Mini Fakra(R-MF) 1 Pos, PCB Connector Plug, R/A, Type A~ Type Z, Sealed		56
2	A-MF PCB Plug	600-24869-01	Mini Fakra(A-MF) 4 Pos, PCB Connector Plug, R/A, Type A~ Type D, Sealed		56
3	R-MF PCB Plug	600-26553-01	Mini Fakra(R-MF) 1 Pos, PCB Connector Plug, R/A, Type A~ Type Z, Unsealed		56
4	R-MF PCB Plug	600-26577-01	Mini Fakra(R-MF) 2 Pos, PCB Connector Plug, R/A, Type A~ Type Z, Unsealed		57
5	T-MF PCB Plug	600-14012-01	Mini Fakra(T-MF) 4 Pos, PCB Connector Plug, R/A, Type A~ Type Z, Unsealed		57
6	R-MF PCB Plug	600-16351-01	Mini Fakra(R-MF) 4 Pos, PCB Connector Plug, R/A, Type A~ Type Z, Unsealed		57
7	R-MF PCB Plug	600-22967-01	Mini Fakra(R-MF) 4 Pos, PCB Connector Plug, V/T, Type A~ Type Z, Unsealed		58
8	A-MF PCB Plug	600-18732-01	Mini Fakra(A-MF) 4X4 Pos, PCB Connector Plug, R/A, Type A+B+C+D, Sealed		58

Mini Fakra Connector Series



2.2 MINI Fakra Cable Plug Connector

Item	Product Name	Draw No.	Description	Image	Page
1	R-MF Plug	600-19528-01	Mini Fakra(R-MF) 1 Pos, Cable Connector Plug, Type A~ Type Z, Sealed		59
2	R-MF Plug	600-26840-01	Mini Fakra(R-MF) 1 Pos, Cable Connector Plug, Type A~ Type Z, Unsealed		59
3	R-MF Plug	600-26841-01	Mini Fakra(R-MF) 1 Pos, Cable Connector Plug, Type A~ Type Z, Unsealed With Cable Lock		59
4	R-MF Plug	600-26838-01	Mini Fakra(R-MF) 2 Pos, Cable Connector Plug, Type A~ Type Z, Unsealed		60
5	R-MF Plug	600-26839-01	Mini Fakra(R-MF) 2 Pos, Cable Connector Plug, Type A~ Type Z, Unsealed With Cable Lock		60
6	R-MF Plug (RTK031)	600-22916-01	Mini Fakra(R-MF) 4 Pos, Cable Connector Plug, Type A~ Type Z, Unsealed		60
7	R-MF Plug (RTK031)	600-22968-01	Mini Fakra(R-MF) 4 Pos, Cable Connector Plug, Type A~ Type Z, Unsealed With Cable Lock		61
8	R-MF Plug (RG174/RG316)	600-30600-01	Mini Fakra(R-MF) 4 Pos, Cable Connector Plug, Type A~ Type Z, Unsealed With Cable Lock		61
9	R-MF Plug (RG174/RG316)	600-30607-01	Mini Fakra(R-MF) 4 Pos, Cable Connector Plug, Type A~ Type Z, Unsealed		61

Mini Fakra Connector Series



2.3 MINI Fakra Cable Jack Connector

Item	Product Name	Draw No.	Description	Image	Page
1	R-MF Jack	600-19529-01	Mini Fakra(R-MF) 1 Pos, Cable Connector Jack, Type A~ Type Z, Sealed		62
2	R-MF Jack (RTK031)	600-26565-01	Mini Fakra(R-MF) 1 Pos, Cable Connector Jack, Type A~ Type Z, Unsealed		62
3	R-MF Jack (RG174/RG316)	600-29835-01	Mini Fakra(R-MF) 1 Pos, Cable Connector Jack, Type A~ Type Z, Unsealed		62
4	R-MF Jack (RTK031)	600-26589-01	Mini Fakra(R-MF) 2 Pos, Cable Connector Jack, Type A~ Type Z, Unsealed		63
5	R-MF Jack (RG174/RG316)	600-29847-01	Mini Fakra(R-MF) 2 Pos, Cable Connector Jack, Type A~ Type Z, Unsealed		63
6	T-MF Jack	600-14040-01	Mini Fakra(T-MF) 4 Pos, Cable Connector Jack, Type A~ Type Z, Unsealed		63
7	R-MF Jack	600-16344-01	Mini Fakra(R-MF) 4 Pos, Cable Connector Jack, Type A~ Type Z, Unsealed		64
8	A-MF Jack	600-18737-01	Mini Fakra(A-MF) 4 Pos, Cable Connector Jack, Type A~ Type Z, Sealed		64

HSD Connector Series



3.1 HSD PCB Plug Connector

Item	Product Name	Draw No.	Description	Image	Page
1	HSD PCB Connector	600-11482-01	4+4 Pin HSD, R/A, Plug for PCB		66
2	HSD PCB Connector	600-11551-01	4+2 Pin HSD, R/A, Plug for PCB		66
3	HSD PCB Connector	600-10893-01	4 Pin HSD, R/A, Plug for PCB		66
4	HSD PCB Connector	600-13230-01	4 Pin HSD, V/T, Plug for PCB		67
5	HSD PCB Connector	600-14719-01	4+2 Pin HSD, V/T, Plug for PCB		67
6	HSD PCB Connector	600-13950-01	4 Pin HSD, R/A, Plug for PCB (Center Pin Height 5.0mm)		67
7	HSD PCB Connector	600-18394-01	4 Pin HSD, V/T Type, PCB (5*5)		68
8	HSD PCB Connector	600-18401-01	4+2 Pin HSD, V/T Type, PCB (5*5)		68
9	HSD PCB Connector	600-13112-01	4 Pin HSD, R/A, Plug for PCB		68

HSD Connector Series



3.2 HSD Cable Connector Series

Item	Product Name	Draw No.	Description	Image	Page
1	HSD PCB Connector	600-14390-01	HSD Cable, 4 Pin, Double Jack Connector		69
2	HSD PCB Connector	600-11429-01	HSD Cable, 4 Pin, Plug Connector		69
3	HSD PCB Connector	600-13148-01	HSD Cable, 4 Pin, Plug Connector(Without Clip)		69
4	HSD PCB Connector	600-13556-01	HSD Cable, 4 Pin, R/A, Jack Connector		70
5	HSD PCB Connector	600-15839-01	HSD Cable, 4+2 Pin, Jack Connector (With Clip)		70
6	HSD PCB Connector	600-15832-01	HSD Cable, 4+2 Pin, Jack Connector		70
7	HSD PCB Connector	600-15163-01	HSD Cable, 4+2 Pin, R/A, Jack Connector		71
8	HSD PCB Connector	600-11422-01	HSD Cable, 4 Pin, Jack Connector		71
9	HSD PCB Connector	600-13067-01	HSD Cable, 4+2 Pin, Jack Connector		71

HD Camera Connector Series



04.1 HD Camera Connector

Item	Product Name	Draw No.	Description	Image	Page
1	Fakra Sealed Adapter	600-11466-01	Fakra Plug to SMB Jack, (Conical Hole) IP67&IP69K		73
2	Fakra Sealed Adapter	600-12320-01	Fakra Plug to SMB Jack, (Counterbore Hole) IP67&IP69K		73
3	SMB Connector	600-17618-01	SMB Female to Fakra Male Type B		73
4	HD Camera Adaptor	600-14884-01	Fakra Plug to SMB Jack		74
5	HD Camera Connector	600-15810-01	SMB Male		74
6	HD Camera Connector	600-28074-01	SMB To Fakra		74
7	SMB Connector	600-16959-01	SMB for Cable Connector		75
8	SMB Cable Connector	600-11629-01	SMB for Cable Connector L=5.0mm, V/T Waterproof		75
9	SMB Cable Connector	600-12385-01	SMB for Cable Connector L=3.0mm, V/T Waterproof		75
10	SMB Cable Connector	600-11863-01	SMB for Cable Connector L=3.0mm, R/A Waterproof		76
11	SMB Cable Connector	600-11660-01	SMB for Cable Connector L=5.0mm, R/A Waterproof		76
12	HD Camera Connector	600-14676-01	SMB Male for PCB Mounting		76
13	HD Camera Connector	600-16034-01	SMB Male for PCB Mounting		77



04.1 HD Camera Connector

Item	Product Name	Draw No.	Description	Image	Page
14	HD Camera Connector	600-10765-01	SMB Male for PCB Mounting		77
15	HD Camera Connector	600-28075-01	Camera PCB Connector SMB Male		77
16	HD Camera Connector	600-24072-01	Camera PCB Connector SMB Male		78
17	HD Camera Connector	600-27892-01	Camera Body H=11.80mm SMB to Fakra		78
18	HD Camera Connector	600-24653-01	Camera PCB Connector SMB Male		78
19	HD Camera Connector	600-15025-01	Camera Rear Cover		79
20	HD Camera Connector	600-15946-01	The Back of the Camera		79
21	HD Camera Connector	600-16438-01	Back Shell Assembly		79
22	HD Camera Connector	600-24487-01	HD Camera Platform Rear Cover (RG174/RG316)		80
23	HD Camera Connector	600-14677-01	Fakra Plug to SMB Jack		80
24	HD Camera Connector	600-24073-01	23mm SQ. DC to 6 GHz Mating Height 16.28mm (PCB->Fakra Interface)		80
25	HD Camera Connector	600-24216-01	24.79mm SQ.DC to 6 Ghz Mating Height 16.47mm (PCB->Fakra Interface)		81
26	HD Camera Connector	600-26071-01	23mm SQ. DC to 6 GHz Mating Height 19.62mm (PCB->Fakra Interface)		81



04.1 HD Camera Connector

Item	Product Name	Draw No.	Description	Image	Page
27	HD Camera Connector	600-26072-01	24.76mm SQ.DC to 6 Ghz Mating Height 19.46mm (PCB->Fakra Interface)		81
28	HD Camera Connector	600-29634-01	25mm SQ. DC to 6 Ghz Mating Height 20.50mm (PCB->Fakra Interface)		82
29	HD Camera Connector	600-27412-01	23mm SQ. DC to 6 Ghz Mating Height 16.28mm (PCB->Fakra Interface)		82
30	HD Camera Connector	600-27413-01	28mm SQ. DC to 6 GHz Mating Height 20.80mm (PCB->Fakra Interface)		82
31	HD Camera Connector	600-27415-01	28mm SQ. DC to 6 GHz Mating Height 18.90mm (PCB->Fakra Interface)		83
32	HD Camera Connector	600-28379-01	Camera Cap 22.90mm*22.90mm		83
33	HSD PCB Connector	600-13818-01	Camera Rear Cover Assembly		83

Lidar Connector Series



05.1 Lidar Connector

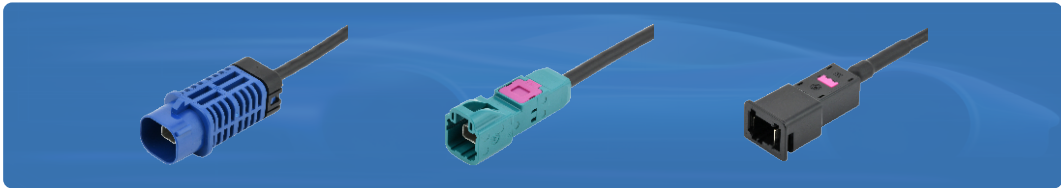
Item	Product Name	Draw No.	Description	Image	Page
1	Lidar Connector	600-18317-01	Lidar Cable Connector Jack (2 Signal+6 Power) Sealed		85
2	Lidar Connector	600-29793-01	Lidar Bend Cable Connector Jack (2 Signal+6 Power) Sealed		85
3	Lidar Connector	600-18316-01	Lidar Connector Plug V/T, (2 Signal+6 Power)		85
4	Lidar Connector	600-18316-02	Lidar Power Male Terminal L=21.4mm, W1.8mm, H0.97mm		86

Ethernet Connector Series



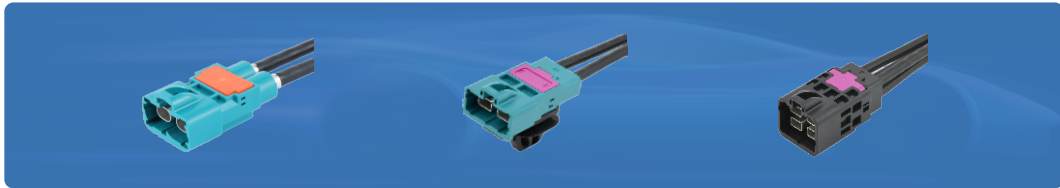
06.1 Ethernet PCB Plug Connector

Item	Product Name	Draw No.	Description	Image	Page
1	A-ETH PCB Connector	600-18539-01	A-ETH 1 Port PCB Connector Type A~ Type Z		88
2	A-ETH PCB Connector	600-32623-01	A-ETH 1 Port PCB Connector Type A~ Type Z		88
3	T-ETH PCB Connector	600-24958-01	T-ETH 1 Port PCB Connector Type A~ Type Z		88
4	T-ETH PCB Connector	600-25319-01	T-ETH 1 Port PCB Connector Type A~ Type Z		89
5	R-ETH PCB Connector	600-30876-01	R-ETH 1 Port PCB Connector Type A~ Type Z		89
6	R-ETH PCB Connector	600-31810-01	R-ETH 2 Port PCB Connector Type A~ Type Z		89
7	A-ETH PCB Connector	600-26939-01	A-ETH 2 Port PCB Connector Type A~ Type Z		90
8	A-ETH PCB Connector	600-18068-01	A-ETH 2x2 Port PCB Connector Type A~ Type Z		90
9	A-ETH PCB Connector	600-30467-01	A-ETH 2x2 Port PCB Connector Type A~ Type Z		90
10	A-ETH PCB Connector	600-27069-01	A-ETH 2x2 Port PCB Connector Type A~ Type Z		91
11	A-ETH PCB Connector	600-28183-01	A-ETH 2x3 Port PCB Connector Type A~ Type Z		91
12	T-ETH PCB Connector	600-25314-01	T-ETH 3 Port PCB Connector Type A~ Type Z		91



06.2 Ethernet Cable Plug Connector

Item	Product Name	Draw No.	Description	Image	Page
1	A-ETH PCB Connector	600-19535-01	A-ETH 1 Port Cable Connector Plug Sealed Type A~ Type Z		92
2	A-ETH PCB Connector	600-30405-01	A-ETH 1 Port Cable Connector Plug Sealed Type A~ Type Z With Lock		92
3	T-ETH PCB Connector	600-26759-01	A-ETH 1 Port Cable Connector Plug Type A~ Type Z		92
4	T-ETH PCB Connector	600-26773-01	A-ETH 1 Port Cable Connector Plug With Lock Type A~ Type Z		93
5	R-ETH PCB Connector	600-24948-01	T-ETH 1 Port Cable Connector Plug Type A~ Type Z		93
6	R-ETH PCB Connector	600-30904-01	R-ETH 1 Port Cable Connector Plug Type A~ Type Z		93
7	A-ETH PCB Connector	600-30918-01	R-ETH 1 Port Cable Connector Plug Type A~ Type Z With Lock		94
8	A-ETH PCB Connector	600-26953-01	A-ETH 2 Port Cable Connector Plug Type A~ Type Z		94
9	A-ETH Cable Connector	600-26960-01	A-ETH 2 Port Cable Connector Plug With Lock Type A~ Type Z		94
10	R-ETH Cable Connector	600-31838-01	R-ETH 2 Port Cable Connector Plug Type A~ Type Z		95



06.2 Ethernet Cable Plug Connector

Item	Product Name	Draw No.	Description	Image	Page
11	R-ETH Cable Connector	600-31852-01	R-ETH 2 Port Cable Connector Plug Type A~ Type Z With Lock		95
12	A-ETH Cable Connector	600-27131-01	A-ETH 2x2 Port Cable Connector Plug Type A~ Type Z		95
13	A-ETH Cable Connector	600-27124-01	A-ETH 2x2 Port Cable Connector Plug With Lock Type A~ Type Z		96



06.3 Ethernet Cable Jack Connector

Item	Product Name	Draw No.	Description	Image	Page
1	A-ETH PCB Connector	600-19555-01	A-ETH 1 Port Cable Connector Jack Type A~ Type Z		97
2	A-ETH PCB Connector	600-19534-01	A-ETH 1 Port Cable Connector Jack Sealed Type A~ Type Z		97
3	T-ETH PCB Connector	600-24943-01	T-ETH 1 Port Cable Connector Jack Type A~ Type Z		97
4	R-ETH PCB Connector	600-30890-01	R-ETH 1 Port Cable Connector Jack Type A~ Type Z		98
5	T-ETH PCB Connector	600-24938-01	T-ETH 1 Port Cable Connector Jack Type A~ Type Z		98
6	T-ETH PCB Connector	600-27306-01	T-ETH 1 Port Cable Connector Jack Type A		98
7	T-ETH PCB Connector	600-27246-01	T-ETH 2 Port Cable Connector Jack Type A~ Type Z		99
8	R-ETH PCB Connector	600-31824-01	R-ETH 2 Port Cable Connector Jack Type A~ Type Z		99
9	A-ETH PCB Connector	600-26940-01	A-ETH 2 Port Cable Connector Jack Type A~ Type Z		99
10	A-ETH PCB Connector	600-18060-01	A-ETH 2x2 Port Cable Connector Jack Sealed Type A~ Type Z		100



06.3 Ethernet Cable Jack Connector

Item	Product Name	Draw No.	Description	Image	Page
11	A-ETH PCB Connector	600-22794-01	A-ETH 2x2 Port Cable Connector Jack Sealed Type Z		100
12	AETH PCB Connector	600-27171-01	A-ETH 2x2 Port Cable Connector Jack Type A~ Type Z		100
13	A-ETH PCB Connector	600-29068-01	A-ETH 2x3 Port Cable Connector Jack Type A~ Type Z		101
14	T-ETH PCB Connector	600-27251-01	T-ETH 2x3 Port Cable Connector Jack Type A~ Type Z		101
15	T-ETH PCB Connector	600-25309-01	T-ETH 3 Port Cable Connector Jack Type A~ Type Z		101
16	T-ETH PCB Connector	600-31681-01	T-ETH 5 Port Cable Connector Jack Type A~ Type Z		102

USB Connector Series



07.1 USB Connector

Item	Product Name	Draw No.	Description	Image	Page
1	HSL PCB Connector	600-13277-01	4 Pin, HSL Receptacle, R/A, SMT for PCB		104
2	HSL PCB Connector	600-13610-01	4 Pin, HSL Receptacle, V/T, DIP for PCB		104
3	HSL Cable Connector	600-13272-01	4 Pin, HSL Jack, V/A for Cable		104
4	HSL Cable Connector	600-13502-01	4 Pin, HSL Receptacle, V/A for Cable		105
5	USB Cable Jack	600-21307-01	4 Pin Jack L=28.35mm, W7.8mm, H11.2mm, Type S~ Type D		105
6	USB PCB Connector	600-21312-01	4 Pin R/A Connector, L=12.8mm, W8.3mm, H15.7mm, Type S~ Type D		105
7	USB PCB Connector	600-31862-01	4 Pin R/A Connector, L=14.75mm, W15.45mm, H8.57mm, Type A~ Type D		106
8	USB Cable Jack	600-31866-01	4 Pin Jack L=31.05mm, W8.7mm, H16.23mm, Type A~ Type D		106
9	USB Cable Jack	600-26499-01	USB 2.0 A/F Connector L=49.3mm, W19mm, H27.8mm		106
10	USB Cable Jack	600-25090-01	USB 2.0 A/F Connector L=40.1mm, W11.4mm, H23.6mm		107

SMA/SSMA/MCX/MMCX Connector Series



8.1 SMA Connector

Item	Product Name	Draw No.	Description	Image	Page
1	SMA PCB Jack	600-29084-01	SMA PCB Connector, 1.2mm Thick PCB		109
2	SMA PCB Jack	600-16437-01	SMA PCB Connector, 1.6mm Thick PCB		109
3	SMA PCB Jack	600-23094-01	SMA PCB Connector, 2.0mm Thick PCB		109
4	SMA PCB Jack	600-18238-01	SMA PCB Connector, 2 Hole Flange Mount W/Spring PIN For Stripling		110
5	SMA PCB Jack	600-35797-01	SMA PCB Connector, 2 Hole Flange With Mounting Screws		110
6	SMA PCB Jack	600-35798-01	SMA PCB Connector, 2 Hole Flange With Mounting Screws		110
7	SMA PCB Jack	600-24924-01	SMA PCB Connector, PCB End Launch		111
8	SMA PCB Jack	600-02778-01	SMA Jack for PCB Connector		111
9	SMA PCB Jack	600-16386-01	SMA PCB Connector, PCB Through Hole		111
10	SMA PCB Jack	600-U245-01	SMA PCB Connector, PCB Through Hole		112
11	SMA PCB Jack	600-2020-01	SMA PCB Connector, PCB Through Hole		112



8.1 SMA Connector

Item	Product Name	Draw No.	Description	Image	Page
12	SMA PCB Jack	600-18727-01	SMA PCB Connector, PCB Through Hole		112
13	SMA PCB Jack	600-26350-01	SMA PCB Connector, PCB Through Hole		113
14	SMA PCB Jack	600-17050-01	SMA PCB Connector, PCB Through Hole		113
15	SMA Cable Plug	600-35805-01	SMA Cable Connector, 302-3		113
16	SMA Cable Plug	600-34528-01	SMA Cable Connector, 0.81		114
		600-34529-01	SMA Cable Connector, 1.13		
		600-34530-01	SMA Cable Connector, 1.37		
		600-34531-01	SMA Cable Connector, RG178		
17	SMA Cable Plug	600-2873-01	SMA Cable Connector, RG174, RG316, LMR100		114
18	SMA Cable Plug	600-35806-01	SMA Cable Connector, RG174, RG316, LMR100		114
19	SMA Cable Plug	600-35807-01	SMA Cable Connector, 086, RG405		115
20	SMA Cable Plug	600-35808-01	SMA Cable Connector, 086, RG405		115



8.1 SMA Connector

Item	Product Name	Draw No.	Description	Image	Page
21	SMA Cable Plug	600-16758-01	SMA Cable Connector, 0.81		115
		600-16171-01	SMA Cable Connector, 1.13		
		600-16766-01	SMA Cable Connector, 1.37		
		600-17225-01	SMA Cable Connector, RG178		
22	SMA Cable Jack	600-33551-01	SMA Cable Connector, 0.81		116
		600-17010-01	SMA Cable Connector, 1.13		
		600-33853-01	SMA Cable Connector, 1.37		
		600-33854-01	SMA Cable Connector, RG178		
23	SMA Cable Jack	600-33552-01	SMA Cable Connector, Waterproof, 0.81		116
		600-33553-01	SMA Cable Connector, Waterproof, 1.13		
		600-33554-01	SMA Cable Connector, Waterproof, 1.37		
		600-33555-01	SMA Cable Connector, Waterproof, RG178		
24	SMA Cable Jack	600-34160-01	SMA Cable Connector, RG174, RG316, LMR100		116
25	SMA Cable Jack	600-32317-01	SMA Cable Connector, 302-3		117
26	SMA Adapter	600-23604-01	SMA Female to SMA Male Adapter (Quick-Connect)		117
27	SMA Adapter	600-U772-01	SMA Female to SMA Female Adapter		117



8.2 SSMA Connector

Item	Product Name	Draw No.	Description	Image	Page
1	SSMA Cable Plug	600-35822-01	SSMA Cable Connector, 0.81		118
		600-35823-01	SSMA Cable Connector, 1.13		
		600-35824-01	SSMA Cable Connector, 1.37		
		600-35825-01	SSMA Cable Connector, RG178		
2	SSMA Cable Plug	600-35827-01	SSMA Cable Connector, RG174, RG316, LMR100		118
3	SSMA Cable Plug	600-35830-01	SSMA Cable Connector, 086, RG405		118
4	SSMA Cable Jack	600-35818-01	SSMA Cable Connector, 0.81		119
		600-35819-01	SSMA Cable Connector, 1.13		
		600-35820-01	SSMA Cable Connector, 1.37		
		600-35821-01	SSMA Cable Connector, RG178		
5	SSMA Cable Jack	600-35826-01	SSMA Cable Connector, RG174, RG316, LMR100		119
6	SSMA Cable Jack	600-35828-01	SSMA Cable Connector, RG174, RG316, LMR100		119
7	SSMA Cable Jack	600-35829-01	SSMA Cable Connector, 086, RG405		120
8	SSMA PCB Jack	600-32500-01	SSMA PCB Connector, PCB Through Hole		120
9	SSMA Adapters	600-35831-01	SMA Female to SSMA Female Adapters		120
10	SSMA Adapters	600-35832-01	SMA Female to SSMA Male Adapters(Quick-Connect)		121



8.3 MCX Connector

Item	Product Name	Draw No.	Description	Image	Page
1	MCX RF SWITCH Connector, V/T with Switch	600-11066-01	L6.00*W6.00*H7.50mm, with Switch, 50Ω, Gold Plating		122
2	MCX RF SWITCH Connector, R/A with Switch	600-12238-01	L9.50*W6.00*H8.00mm, with Switch, 50Ω, Golding Plating		122
3	MCX PCB Jack	600-17648-01	MCX PCB Connector, PCB Surface Mount		122
4	MCX PCB Jack	600-17938-01	MCX PCB Connector, PCB Through Hole		123
5	MCX PCB Jack	600-25236-01	MCX PCB Connector, PCB Surface Mount		123
6	MCX PCB Jack	600-23436-01	MCX PCB Connector, PCB Through Hole		123
7	MCX Adapters	600-35937-01	SMA Female to MCX Female Adapters		124
8	MCX Adapters	600-35938-01	SMA Female to MCX Male Adapters		124



8.4 MMCX Connector

Item	Product Name	Draw No.	Description	Image	Page
1	MMCX PCB Jack	600-14219-01	MMCX PCB Connector, PCB Through Hole		125
2	MMCX PCB Jack	600-24894-01	MMCX PCB Connector, PCB Through Hole		125
3	MMCX PCB Jack	600-17965-01	MMCX PCB Connector, PCB Surface Mount		125
4	MMCX PCB Jack	600-10937-01	MMCX PCB Connector, PCB Through Hole		126
5	MMCX Cable Plug	600-35956-01	MMCX Cable Connector,1.13		126
6	MMCX Cable Jack	600-35957-01	MMCX Cable Connector,1.13		126
7	MMCX Cable Plug	600-35944-01	MMCX Cable Connector,1.37		127
8	MMCX Cable Jack	600-35945-01	MMCX Cable Connector,1.37		127
9	MMCX Cable Plug	600-35946-01	MMCX Cable Connector,1.37		127
10	MMCX Cable Plug	600-35947-01	MMCX Cable Connector,086, RG405		128



8.4 MMCX Connector

Item	Product Name	Draw No.	Description	Image	Page
11	MMCX Cable Plug	600-35948-01	MMCX Cable Connector, 086, RG405		128
12	MMCX Cable Plug	600-12442-01	MMCX Cable Connector, RG174, RG316, LMR100		128
13	MMCX Cable Plug	600-35949-01	MMCX Cable Connector, RG174, RG316, LMR100		129
14	MMCX Adapters	600-35939-01	SMA Female to MCX Female Adapters		129
15	MMCX Adapters	600-35940-01	SMA Female to MCX Male Adapters		129

Other Series



09.1 Other Connector

Item	Product Name	Draw No.	Description	Image	Page
1	Automotive Power PCB Connector	600-21006-01	8 Pin Power Connector of Automobile, Vertical		131
2	Automotive Electric Fan Cable Connector	600-19151-01	8 Pin Connector for Electric Fan of Automobile		131
3	Automotive Electric Fan PCB Connector	600-19150-01	8 Pin Connector for Electric Fan of Automobile, Vertical		131
4	SMP PCB Jack	600-26150-01	SMP Straight PCB Smooth Bore Through Hole		132
5	SMP PCB Jack	600-34576-01	SMP Straight PCB Full Detent End Launch		132
6	1.0-2.3 PCB Jack	600-17598-01	1.0-2.3 Straight PCB Jack Through Hole Bulkhead Rear Mount 75 Ohm		132
7	1.0-2.3 PCB Jack	600-17483-01	1.0-2.3 Right Angle PCB Jack Through Hole Bulkhead Rear Mount 75 Ohm		133
8	Fakra Cable Lock	600-28107-01	Fakra Connector Cable Lock 90° Clip 7x12		133
9	Fakra Cable Lock	600-4186-01	Fakra Connector Cable Lock		133



Fakra PCB Plug

D/N:600-10205-01

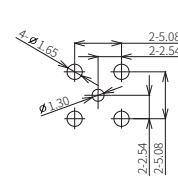
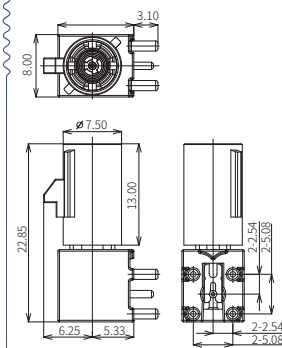
● Outline Dimensions

● PCB Layout

● Technology Parameters



Keying Code	Color	Part No.
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B	Cream White	818010204
C	Signal Blue	818010205
D	Claret Violet	818010206
E	Leaf Green	818010207
F	Nut Brown	818010208
G	Blue Gray	818010209
H	Heather Violet	818010210
I	Beige	818010211
K	Curry	818010212
L	Carmin Red	818010213
M	Pastel Orange	818010214
N	Pastel Green	818010215
Z	Water Blue	818010216



Material

- Plastic Housings: PA66+30%GF
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z: Wave-soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26 dB, DC to 1 GHz
 ≥ 24 dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB@1 GHz
- Insulation Resistance: ≥ 100 M Ω
- Center Contact Resistance: 40m Ω Max
- Outer Contact Resistance: 40m Ω Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60 V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 $^{\circ}$ C ~ +105 $^{\circ}$ C

Fakra PCB Plug

D/N:600-11322-01

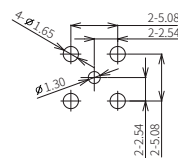
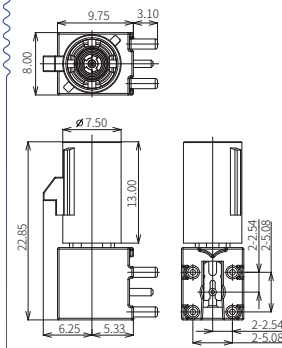
● Outline Dimensions

● PCB Layout

● Technology Parameters



Keying Code	Color	Part No.
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B	Cream White	818011321
C	Signal Blue	818011322
D	Claret Violet	818011323
E	Leaf Green	818011324
F	Nut Brown	818011325
G	Blue Gray	818011326
H	Heather Violet	818011327
I	Beige	818011328
K	Curry	818011329
L	Carmin Red	818011330
M	Pastel Orange	818011331
N	Pastel Green	818011332
Z	Water Blue	818011333



Material

- Plastic Housings: PA46+30%GF
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z: High Temperature Resistance, Reflow Soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26 dB, DC to 1 GHz
 ≥ 24 dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB@1 GHz
- Insulation Resistance: ≥ 100 M Ω
- Center Contact Resistance: 40m Ω Max
- Outer Contact Resistance: 40m Ω Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60 V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 $^{\circ}$ C ~ +105 $^{\circ}$ C

Fakra PCB Plug

D/N:600-4430-01

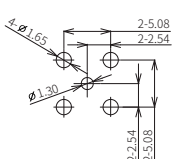
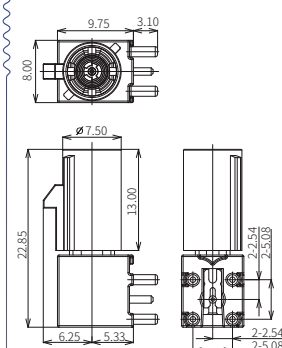
● Outline Dimensions

● PCB Layout

● Technology Parameters



Keying Code	Color	Part No.
A	Deep Black	818004428
B	Cream White	818004429
C	Signal Blue	818004430
D	Claret Violet	818004431
E	Leaf Green	818004432
F	Nut Brown	818004433
G	Blue Gray	818004433
H	Heather Violet	818004437
I	Beige	818004434
K	Curry	818004438
L	Carmin Red	818004439
M	Pastel Orange	818004440
N	Pastel Green	818004441
Z	Water Blue	818004442



Material

- Plastic Housings: PA66+30%GF
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z: Wave-soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26 dB, DC to 1 GHz
 ≥ 24 dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB@1 GHz
- Insulation Resistance: ≥ 100 M Ω
- Center Contact Resistance: 40m Ω Max
- Outer Contact Resistance: 40m Ω Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60 V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 $^{\circ}$ C ~ +105 $^{\circ}$ C

Fakra PCB Plug

D/N:600-4892-01

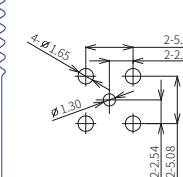
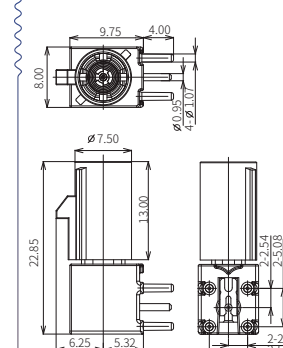
● Outline Dimensions

● PCB Layout

● Technology Parameters



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B	Cream White	818004891
C	Signal Blue	818004892
D	Claret Violet	818004893
E	Leaf Green	818011538
F	Nut Brown	818011539
G	Blue Gray	818011540
H	Heather Violet	818011541
I	Beige	818011542
K	Curry	818011543
L	Carmin Red	818011544
M	Pastel Orange	818011545
N	Pastel Green	818011546
Z	Water Blue	818011548



Material

- Plastic Housings: PA66+30%GF
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z: Wave-soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26 dB, DC to 1 GHz
 ≥ 24 dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB@1 GHz
- Insulation Resistance: ≥ 100 M Ω
- Center Contact Resistance: 40m Ω Max
- Outer Contact Resistance: 40m Ω Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60 V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 $^{\circ}$ C ~ +105 $^{\circ}$ C

Fakra PCB Plug

D/N:600-4026-01

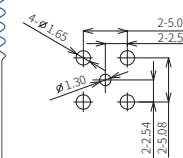
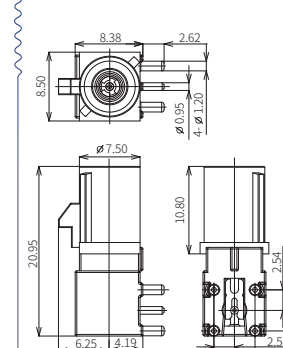
● Outline Dimensions

● PCB Layout

● Technology Parameters



Keying Code	Color	Part No.
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B	Cream White	818004025
C	Signal Blue	818004026
D	Claret Violet	818004027
E	Leaf Green	818004028
F	Nut Brown	818004031
G	Blue Gray	818004029
H	Heather Violet	818004032
I	Beige	818004030
K	Curry	818004033
L	Carmin Red	818004034
M	Pastel Orange	818004035
N	Pastel Green	818004036
Z	Water Blue	818004037



Material

- Plastic Housings: PA66+30%GF
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z: Wave-soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26 dB, DC to 1 GHz
 ≥ 24 dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB@1 GHz
- Insulation Resistance: ≥ 100 M Ω
- Center Contact Resistance: 40m Ω Max
- Outer Contact Resistance: 40m Ω Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60 V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 $^{\circ}$ C ~ +105 $^{\circ}$ C

Fakra PCB Plug

D/N:600-12126-01

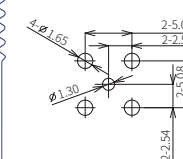
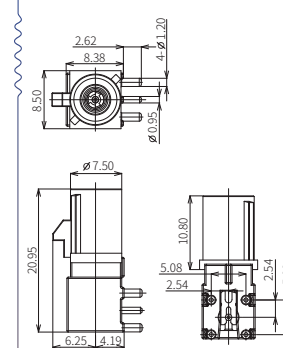
● Outline Dimensions

● PCB Layout

● Technology Parameters



Keying Code	Color	Part No.
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B	Cream White	818012125
C	Signal Blue	818012126
D	Claret Violet	818012127
E	Leaf Green	818012130
F	Nut Brown	818012131
G	Blue Gray	818012132
H	Heather Violet	818012133
I	Beige	818012134
K	Curry	818012135
L	Carmin Red	818012136
M	Pastel Orange	818012137
N	Pastel Green	818012138
Z	Water Blue	818012139



Material

- Plastic Housings: PA46+30%GF
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z: High Temperature Resistance, Reflow Soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26 dB, DC to 1 GHz
 ≥ 24 dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB@1 GHz
- Insulation Resistance: ≥ 100 M Ω
- Center Contact Resistance: 40m Ω Max
- Outer Contact Resistance: 40m Ω Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60 V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 $^{\circ}$ C ~ +105 $^{\circ}$ C

Fakra PCB Plug

D/N:600-3801-01

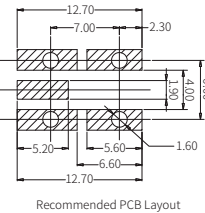
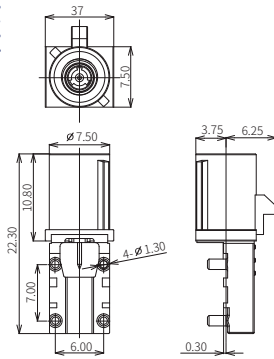
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818003799
B	Cream White	818003800
C	Signal Blue	818003801
D	Claret Violet	818003802
E	Leaf Green	818003803
F	Nut Brown	818003973
G	Blue Gray	818003805
H	Heather Violet	818003974
I	Beige	818003807
K	Curry	818003975
L	Carmin Red	818003976
M	Pastel Orange	818003977
N	Pastel Green	818003978
Z	Water Blue	818003979
Keying Code	Color	Part No.



Material

- Plastic Housings: PA46+30%GF
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z:
- High Temperature Resistance, Reflow Soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26dB, DC to 1 GHz
≥ 24dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})} \text{ dB@1GHz}$
- Insulation Resistance: ≥ 100MΩ
- Center Contact Resistance: 5mΩ Max
- Outer Contact Resistance: 2.5mΩ Max
- Test Voltage: 750V rms
- Working Voltage: ≤ 60V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 °C ~ +105 °C

Fakra PCB Plug

D/N:600-3935-01

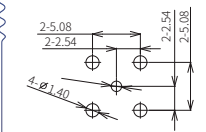
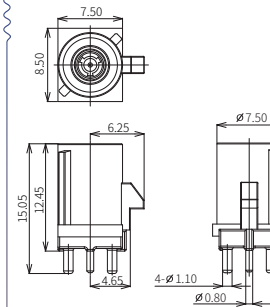
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818003933
B	Cream White	818003934
C	Signal Blue	818003935
D	Claret Violet	818003937
E	Leaf Green	818003938
F	Nut Brown	818003980
G	Blue Gray	818003939
H	Heather Violet	818003981
I	Beige	818003940
K	Curry	818003982
L	Carmin Red	818003983
M	Pastel Orange	818003984
N	Pastel Green	818003985
Z	Water Blue	818003986
Keying Code	Color	Part No.



Material

- Plastic Housings: PA66+30%GF
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z: Wave-soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26dB, DC to 1 GHz
≥ 24dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})} \text{ dB@1GHz}$
- Insulation Resistance: ≥ 100MΩ
- Center Contact Resistance: 40mΩ Max
- Outer Contact Resistance: 40mΩ Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 °C ~ +105 °C

Fakra PCB Plug

D/N:600-11985-01

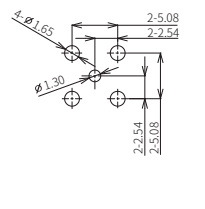
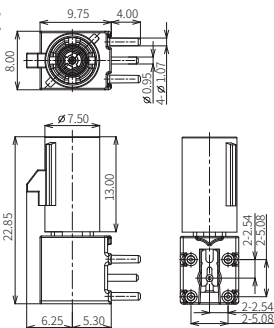
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818011983
B	Cream White	818011984
C	Signal Blue	818011985
D	Claret Violet	818011986
E	Leaf Green	818011987
F	Nut Brown	818011988
G	Blue Gray	818011989
H	Heather Violet	818011990
I	Beige	818011991
K	Curry	818011992
L	Carmin Red	818011993
M	Pastel Orange	818011994
N	Pastel Green	818011995
Z	Water Blue	818011996
Keying Code	Color	Part No.



Material

- Plastic Housings: PA46+30%GF
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z:
- High Temperature Resistance, Reflow Soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26dB, DC to 1 GHz
≥ 24dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})} \text{ dB@1GHz}$
- Insulation Resistance: ≥ 100MΩ
- Center Contact Resistance: 40mΩ Max
- Outer Contact Resistance: 40mΩ Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 °C ~ +105 °C

Fakra PCB Plug

D/N:600-11001-01

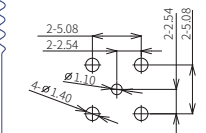
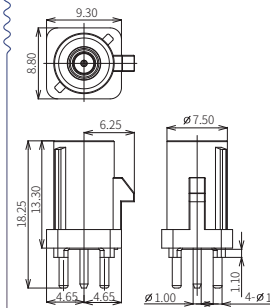
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818004998
B	Cream White	818004999
C	Signal Blue	818011001
D	Claret Violet	818011002
E	Leaf Green	818011003
F	Nut Brown	818011004
G	Blue Gray	818011005
H	Heather Violet	818011006
I	Beige	818011007
K	Curry	818011008
L	Carmin Red	818011009
M	Pastel Orange	818011010
N	Pastel Green	818011011
Z	Water Blue	818011012
Keying Code	Color	Part No.



Material

- Plastic Housings: PA66+30%GF
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z: Wave-soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26dB, DC to 1 GHz
≥ 24dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})} \text{ dB@1GHz}$
- Insulation Resistance: ≥ 100MΩ
- Center Contact Resistance: 40mΩ Max
- Outer Contact Resistance: 40mΩ Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 °C ~ +105 °C

Fakra PCB Plug Dual

D/N:600-12074-01

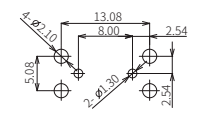
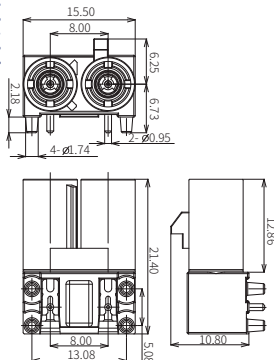
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818012067
B	Cream White	818012068
C	Signal Blue	818012069
D	Claret Violet	818012070
E	Leaf Green	818012071
F	Nut Brown	818012072
G	Blue Gray	818012073
H	Heather Violet	818012074
I	Beige	818012075
K	Curry	818012076
L	Carmin Red	818012077
M	Pastel Orange	818012078
N	Pastel Green	818012080
Z	Water Blue	818012081
Keying Code	Color	Part No.



Material

- Plastic Housings: PA4646
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z:
- High Temperature Resistance, Reflow Soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26dB, DC to 1 GHz
≥ 24dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})} \text{ dB@1GHz}$
- Insulation Resistance: ≥ 100MΩ
- Center Contact Resistance: 40mΩ Max
- Outer Contact Resistance: 40mΩ Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 °C ~ +105 °C

Fakra PCB Plug

D/N:600-10669-01

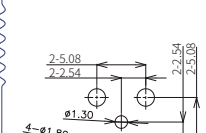
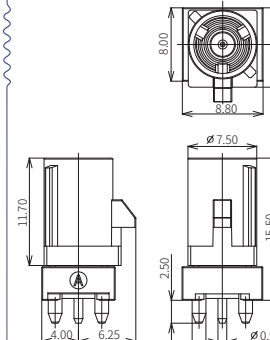
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818010667
B	Cream White	818010668
C	Signal Blue	818010669
D	Claret Violet	818010670
E	Leaf Green	818010671
F	Nut Brown	818010672
G	Blue Gray	818010673
H	Heather Violet	818010674
I	Beige	818010675
K	Curry	818010676
L	Carmin Red	818010677
M	Pastel Orange	818010678
N	Pastel Green	818010679
Z	Water Blue	818010680
Keying Code	Color	Part No.



Material

- Plastic Housings: PPA
- Outer Contact: Zinc Alloy
- Center Pin: Copper Alloy
- Insulator: HTN+30%GF
- Type A-Type Z:
- High Temperature Resistance, Reflow Soldering

Electrical Performance

- Impedance: 50 Ω
- Frequency: DC to 6 GHz
- Return Loss: ≥ 26dB, DC to 1 GHz
≥ 24dB, DC to 3 GHz
- Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})} \text{ dB@1GHz}$
- Insulation Resistance: ≥ 100MΩ
- Center Contact Resistance: 40mΩ Max
- Outer Contact Resistance: 40mΩ Max
- Test Voltage: 800V rms
- Working Voltage: ≤ 60V DC
- Contact Current: ≤ 1 A DC
- RF-leakage: ≥ 65 dB

Mechanical Performance

- Mating Cycles: ≥ 25 Cycles
- Mating Force: ≤ 25 N
- Center Pin Retention Force: ≥ 10 N
- Retention Force Latch: ≥ 110 N
- Temperature Range: -40 °C ~ +105 °C

Fakra PCB Plug

D/N: 600-11015-01

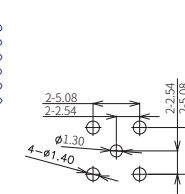
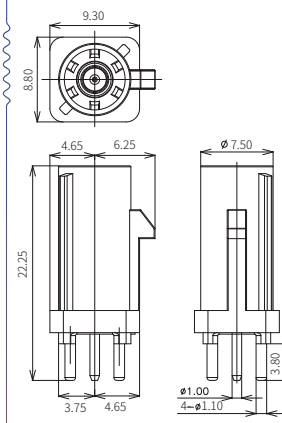
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818011013
B	Cream White	818011014
C	Signal Blue	818011015
D	Claret Violet	818011016
E	Leaf Green	818011017
F	Nut Brown	818011018
G	Blue Gray	818011019
H	Heather Violet	818011020
I	Beige	818011021
K	Curry	818011022
L	Carmin Red	818011023
M	Pastel Orange	818011024
N	Pastel Green	818011025
Z	Water Blue	818011026
Keying Code	Color	Part No.



Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency: DC to 6 GHz
- 1.3 Return Loss: ≤ 26dB
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Insulation Resistance: ≥ 100MΩ
- 1.6 Center Contact Resistance: 40mΩ Max
- 1.7 Outer Contact Resistance: 40mΩ Max
- 1.8 Test Voltage: 800V rms
- 1.9 Working Voltage: ≤ 60V DC
- 2.0 Contact Current: ≤ 1 A DC
- 2.1 RF-leakage: ≥ 65 dB

Material

- Plastic Housings: PA46+33%GF
 - Outer Contact: Zinc Alloy
 - Center Pin: Copper Alloy
 - Insulator: HTN+30%GF
 - Type A~Type Z:
- High Temperature Resistance,
Reflow Soldering

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Cycles
- 2.3 Mating Force: ≤ 25 N
- 2.4 Center Pin Retention Force: ≥ 10 N
- 2.5 Rentention Force Latch: ≥ 110 N
- 2.6 Temperature Range: -40 °C ~ +105 °C

Fakra PCB Plug

D/N: 600-13173-01

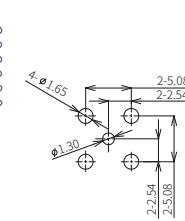
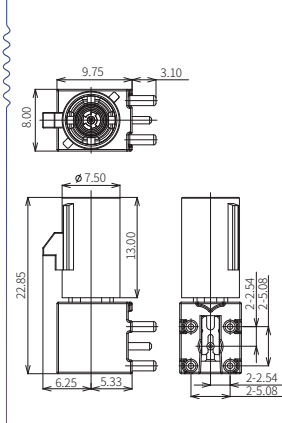
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818013171
B	Cream White	818013172
C	Signal Blue	818013173
D	Claret Violet	818013174
E	Leaf Green	818013175
F	Nut Brown	818013176
G	Blue Gray	818013177
H	Heather Violet	818013178
I	Beige	818013179
K	Curry	818013180
L	Carmin Red	818013181
M	Pastel Orange	818013182
N	Pastel Green	818013183
Z	Water Blue	818013184
Keying Code	Color	Part No.



Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency: DC to 6 GHz
- 1.3 Return Loss: ≤ 26dB
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Insulation Resistance: ≥ 100MΩ
- 1.6 Center Contact Resistance: 40mΩ Max
- 1.7 Outer Contact Resistance: 40mΩ Max
- 1.8 Test Voltage: 800V rms
- 1.9 Working Voltage: ≤ 60V DC
- 2.0 Contact Current: ≤ 1 A DC
- 2.1 RF-leakage: ≥ 65 dB

Material

- Plastic Housings: PA46+33%GF
 - Outer Contact: Zinc Alloy
 - Center Pin: Copper Alloy
 - Insulator: HTN+30%GF
 - Type A~Type Z:
- High Temperature Resistance,
Reflow Soldering

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Cycles
- 2.3 Mating Force: ≤ 25 N
- 2.4 Center Pin Retention Force: ≥ 10 N
- 2.5 Rentention Force Latch: ≥ 110 N
- 2.6 Temperature Range: -40 °C ~ +105 °C

Fakra PCB Plug, Dual

D/N: 600-11613-01

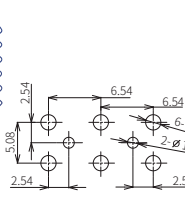
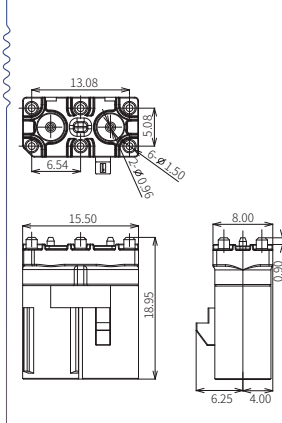
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818011612
B	Cream White	818011613
C	Signal Blue	818011614
D	Claret Violet	818011615
E	Leaf Green	818011616
F	Nut Brown	818011617
G	Blue Gray	818011618
H	Heather Violet	818011619
I	Beige	818011620
K	Curry	818011621
L	Carmin Red	818011622
M	Pastel Orange	818011623
N	Pastel Green	818011624
Z	Water Blue	818011625
Keying Code	Color	Part No.



Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency: DC to 6 GHz
- 1.3 Return Loss: ≥ 26dB, DC to 1 GHz
≥ 26dB, DC to 3 GHz
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB@1GHz
- 1.5 Insulation Resistance: ≥ 100MΩ
- 1.6 Center Contact Resistance: 40mΩ Max
- 1.7 Outer Contact Resistance: 40mΩ Max
- 1.8 Test Voltage: 800V rms
- 1.9 Working Voltage: ≤ 60V DC
- 2.0 Contact Current: ≤ 1 A DC
- 2.1 RF-leakage: ≥ 65 dB

Material

- Plastic Housings: PA466
 - Outer Contact: Zinc Alloy
 - Center Pin: Copper Alloy
 - Insulator: HTN+30%GF
 - Type A~Type Z:
- Reflow Soldering

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Cycles
- 2.3 Mating Force: ≤ 25 N
- 2.4 Center Pin Retention Force: ≥ 10 N
- 2.5 Rentention Force Latch: ≥ 110 N
- 2.6 Temperature Range: -40 °C ~ +105 °C

Fakra PCB Plug, Dual

D/N: 600-14329-01

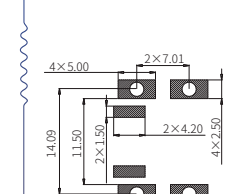
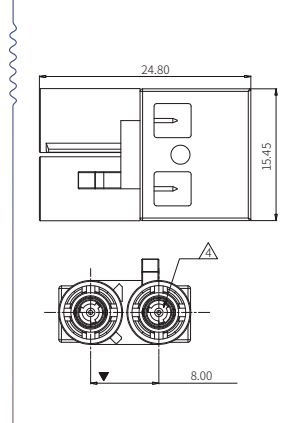
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818014329
B	Cream White	818014330
C	Signal Blue	818014331
D	Claret Violet	818014332
E	Leaf Green	818014333
F	Nut Brown	818014335
G	Blue Gray	818014336
H	Heather Violet	818014337
I	Beige	818014338
K	Curry	818014339
L	Carmin Red	818014340
M	Pastel Orange	818014341
N	Pastel Green	818014342
Z	Water Blue	818014343
Keying Code	Color	Part No.



Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency: DC to 6 GHz
- 1.3 Return Loss: ≥ 24dB, DC to 2.4 GHz
≥ 16dB, 2.4GHz to 4 GHz
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB@1GHz
- 1.5 Insulation Resistance: ≥ 100MΩ
- 1.6 Center Contact Resistance: 5mΩ Max
- 1.7 Outer Contact Resistance: 5mΩ Max
- 1.8 Test Voltage: 800V rms
- 1.9 Working Voltage: 335V rms
- 2.0 Contact Current: ≤ 1 A DC

Material

- Plastic Housings: PA466
- Outer Contact: Zinc Alloy
- Center Pin: Brass
- Insulator: HTN

Mechanical Performance

- 2.1 Mating Cycles: ≥ 25 Cycles
- 2.2 Mating Force: ≤ 45 N
- 2.3 Center Pin Retention Force: ≥ 2 N
- 2.4 Rentention Force Latch: ≥ 110 N
- 2.5 Temperature Range: -40 °C ~ +105 °C

Fakra 1+2 PCB Plug

D/N: 600-14912-01

● Outline Dimensions

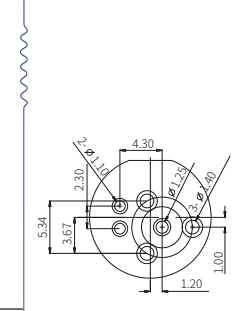
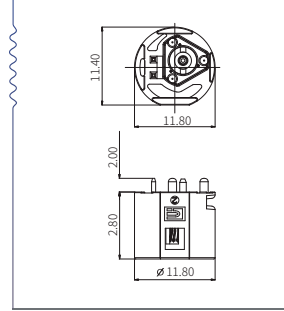
● PCB Layout

● Technology Parameters



Part Number Table

P/N	818014912	818014913	818014914	818014915	818014916
Type	Type O	Type A	Type B	Type C	Type D
Image					



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 4 GHz
- 1.3 Insulation Resistance: ≥500 MΩ
- 1.4 Center Contact Resistance: 5mΩ Max
- 1.5 Test Voltage: 80V rms
- 1.6 Working Voltage: 335V rms
- 1.7 Contant Current: ≤ 3A DC

Mechanical Performance

- 1.8 Mating Cycles: ≥ 25 Cycles
- 1.9 Rentention Force Latch: ≥ 110 N

Material

- 2.0 Plastic Housings: PA46
- 2.1 Outer Contact: Zinc Alloy
- 2.2 Insulator: HTN
- 2.3 Center Pin: Copper Alloy
- 2.4 Power Supply Pin: Brass
- 2.5 Lock: Stainless Steel

Fakra 1+2 PCB Plug

D/N: 600-14899-01

● Outline Dimensions

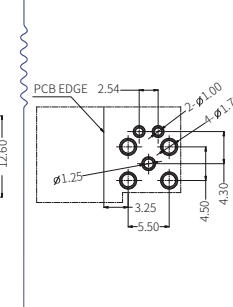
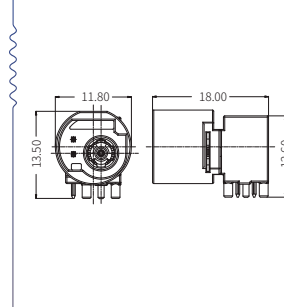
● PCB Layout

● Technology Parameters



Part Number Table

P/N	818014899	818014900	818014901	818014902	818014903
Type	Type O	Type A	Type B	Type C	Type D
Image					



Electrical Performance

- 1.1 Impedance: 50Ω
- 1.2 Frequency Range: DC to 4 GHz
- 1.3 Insulation Resistance: ≥500 MΩ
- 1.4 Center Contact Resistance: 5mΩ Max
- 1.5 Test Voltage: 800V rms
- 1.6 Working Voltage: 335V rms
- 1.7 Contant Current: ≤ 3A DC

Mechanical Performance

- 1.8 Mating Cycles: ≥ 25 Cycles
- 1.9 Rentention Force Latch: ≥ 110 N

Material

- 2.0 Plastic Housings: PPA
- 2.1 Outer Contact: Zinc Alloy
- 2.2 Insulator: HTN
- 2.3 Center Pin: Copper Alloy
- 2.4 Power Supply Pin: Copper Alloy
- 2.5 Lock: Stainless Steel

Fakra Cable Connector, Double Plug Housing, Type A~Type Z

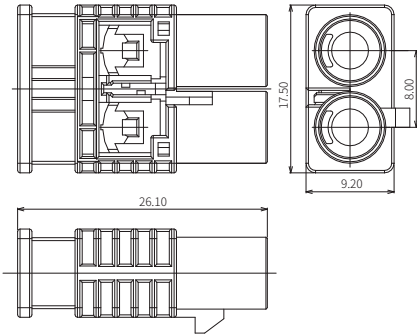
D/N:600-10700-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818010699
B	Cream White	818010700
C	Signal Blue	818010701
D	Claret Violet	818010702
E	Leaf Green	818010703
F	Nut Brown	818010704
G	Blue Gray	818010705
H	Heather Violet	818010706
I	Beige	818010707
K	Curry	818010708
L	Carmin Red	818010709
M	Pastel Orange	818010710
N	Pastel Green	818010711
Z	Water Blue	818010712
Keying Code	Color	Part No.



- 1.1 Material: PPO
- 1.2 Mating Cycles: ≥ 25 (time)
- 1.3 Retention Force Latch: ≥ 110 N
- 1.4 Force to Disengage Lock: ≤ 70 N
- 1.5 Connector Engagement Force: Dual-end ≤ 45 N
- 1.6 Thermal Shock: Meet Item 8.2 of DIN 72594-2
- 1.7 Temperature and Humidity: Meet Item 8.3 of DIN 72594-2
- 1.8 Vibration and Mechanical Shock: Meet Item 8.1 of DIN 72594-2
- 1.9 Dry Heat: Meet Item 8.4 of DIN 72594-2
- 2.0 Environment Requirements: Meet RoHS
- 2.1 Packing: 100 pcs /PE Bag

Fakra Cable Connector, Plug Without Cable Lock, Waterproof

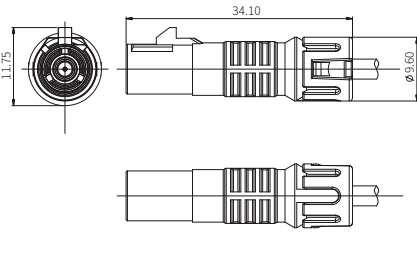
D/N: 600-13084-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818013071
B	Cream White	818013072
C	Signal Blue	818013073
D	Claret Violet	818013074
E	Leaf Green	818013075
F	Nut Brown	818013076
G	Blue Gray	818013077
H	Heather Violet	818013078
I	Beige	818013079
K	Curry	818013080
L	Carmin Red	818013081
M	Pastel Orange	818013082
N	Pastel Green	818013083
Z	Water Blue	818013084
Keying Code	Color	Part No.



- 2.4 Ingress Protection: IP67&IP68
- 2.5 Frequency Range: DC to 6 GHz
- 2.6 Return Loss: ≥ 17 dB, DC to 6 GHz
- 2.7 Insertion Loss: $0.1 \times \sqrt{f(\text{GHz})}$ dB@ 1 GHz
- 2.8 Environment Requirements: Meet RoHS

- 1.1 Rated Voltage: 60V DC Max
- 1.2 Rated Current: 1A DC Max
- 1.3 Resistance to voltage: 500V AC Min
- 1.4 Insulation Resistance: 100MQ Min
- 1.5 Center Contact Resistance: Test Before: 5 mΩ Max Test After: 40 mΩ Max
- 1.6 Outer Contact Resistance: Test Before: 5 mΩ Max Test After: 40 mΩ Max
- 1.7 Mating Force: 70N Max
- 1.8 Unmating Force: 70N Max
- 1.9 Locking Device Strength: 80N Min
- 2.0 Cable Retention Force: 80N Min
- 2.1 Body Retention Force: 100N Min
- 2.2 Durability: 100Times (Cycles)
- 2.3 Operating Temperature: -40°C ~ +105°C

Fakra Cable Connector, Plug, V/T, with Calbe Lock, Waterproof

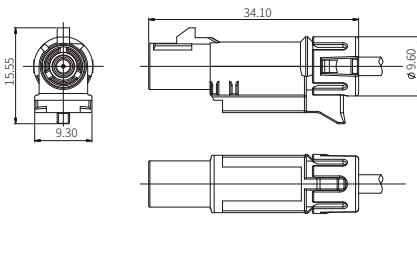
D/N:600-12584-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818012571
B	Cream White	818012572
C	Signal Blue	818012573
D	Claret Violet	818012574
E	Leaf Green	818012575
F	Nut Brown	818012576
G	Blue Gray	818012577
H	Heather Violet	818012578
I	Beige	818012579
K	Curry	818012580
L	Carmin Red	818012581
M	Pastel Orange	818012582
N	Pastel Green	818012583
Z	Water Blue	818012584
Keying Code	Color	Part No.



- 2.4 Ingress Protection: IP67&IP68
- 2.5 Frequency Range: DC to 6 GHz
- 2.6 Return Loss: ≥ 17 dB, DC to 6 GHz
- 2.7 Insertion Loss: $0.1 \times \sqrt{f(\text{GHz})}$ dB@ 1 GHz
- 2.8 Environment Requirements: Meet RoHS

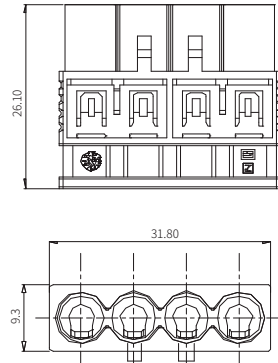
- 1.1 Rated Voltage: 60V DC Max
- 1.2 Rated Current: 1A DC Max
- 1.3 Resistance to voltage: 500V AC Min
- 1.4 Insulation Resistance: 100MQ Min
- 1.5 Center Contact Resistance: Test Before: 5 mΩ Max Test After: 40 mΩ Max
- 1.6 Outer Contact Resistance: Test Before: 5 mΩ Max Test After: 40 mΩ Max
- 1.7 Mating Force: 70N Max
- 1.8 Unmating Force: 70N Max
- 1.9 Locking Device Strength: 80N Min
- 2.0 Cable Retention Force: 80N Min
- 2.1 Body Retention Force: 100N Min
- 2.2 Durability: 100Times (Cycles)
- 2.3 Operating Temperature: -40°C ~ +105°C

Fakra Cable Plug

D/N: 600-15482-01

● Outline Dimensions

● Technology Parameters



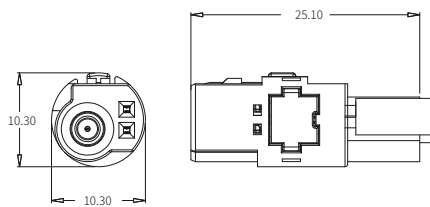
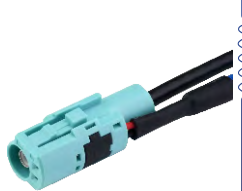
- 1.1 Material: N300X
- 1.2 Mating Cycles: ≥ 25 Times (Cycles)
- 1.3 Retention Force: ≥ 110 N
- 1.4 Force To Disengage: ≤ 70 N
- 1.5 Connector Engagement Force: Dual-end ≤ 45 N
- 1.6 Thermal Shock: Meet Item 8.2 of DIN72594-2
- 1.7 Temperature and Humidity: Meet Item 8.3 of DIN72594-2
- 1.8 Vibration and Mechanical Shock: Meet Item 8.1 of DIN72594-2
- 1.9 Dry Heat: Meet Item 8.4 of DIN72594-2
- 2.0 Environmental Requirements: Meet RoHS

Fakra 1+2 Cable Plug

D/N: 600-14890-01

● Outline Dimensions

● Technology Parameters



Part Number Table

P/N	818014890	818014891	818014892	818014893	818014894
Type	Type O	Type A	Type B	Type C	Type D
Image					

- Electrical Performance**
- 1.1 Impedance: 50Ω
 - 1.2 Frequency Range: DC to 4 GHz
 - 1.3 Insulation Resistance: ≥ 500 MΩ
 - 1.4 Center Contact Resistance: 5mΩ Max
 - 1.5 Test Voltage: 800V rms
 - 1.6 Working Voltage: 335V rms
 - 1.7 Contant Current: ≤ 3 A DC

- Mechanical Performance**
- 1.8 Mating Cycles: ≥ 25 Cycles
 - 1.9 Cable Force: 80 Min

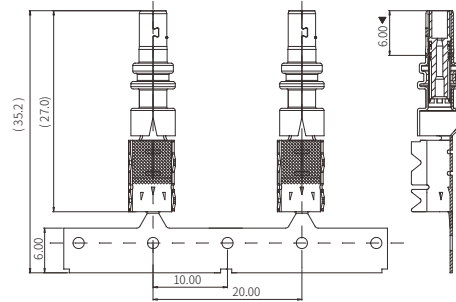
- Material**
- 2.0 Plastic Housings: PBT
 - 2.1 Outer Contact: Phosphorus Copper
 - 2.2 Lock: PA46
 - 2.3 Center Pin: Phosphorus Copper

Fakra III Plug Terminal, Assy for Jack Connector, (RTK031)

D/N:600-18731-01

● Outline Dimensions

● Technology Parameters



- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 4 GHz
- 1.3 Return Loss: ≥ 25 dB, DC to 1 GHz
- 1.4 Insertion Loss: $0.1 \times \sqrt{f(\text{GHz})}$ dB@ 1 GHz
- 1.5 Center Contact Resistance: ≤ 5 mΩ
- 1.6 Outer Contact Resistance: ≤ 5 mΩ
- 1.7 Rated Voltage: 335Vrms
- 1.8 Rated Current: ≤ 1 A DC
- 1.9 Durability: ≥ 25 Times (Cycles)
- 2.0 Cable Retention Force: ≥ 80 N
- 2.1 Environment Requirements: Meet RoHS

Fakra Cable Connector, Jack, Waterproof, Type A ~ Type Z

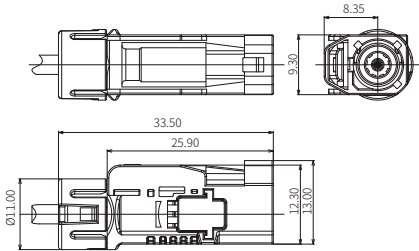
D/N:600-11481-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818011896
B	Cream White	818011897
C	Signal Blue	818011898
D	Claret Violet	818011899
E	Leaf Green	818011900
F	Nut Brown	818011901
G	Blue Gray	818011902
H	Heather Violet	818011903
I	Beige	818011904
K	Curry	818011905
L	Carmines Red	818011906
M	Pastel Orange	818011907
N	Pastel Green	818011908
Z	Water Blue	818011481
Keying Code	Color	Part No.



- 1.1 Rated Voltage: 60V DC Max
- 1.2 Rated Current: 1A DC Max
- 1.3 Resistance to voltage: 500V AC Min
- 1.4 Insulation Resistance: 100MΩ Min
- 1.5 Center Contact Resistance:
Test After: 40 mΩ Max
- 1.6 Outer Contact Resistance:
Test After: 40 mΩ Max
- 1.7 Mating Force: 70N Max
- 1.8 Unmating Force: 70N Max
- 1.9 Locking Device Strength: 80N Min
- 2.0 Cable Retention Force: 100N Min
- 2.1 Body Retention Force: 100N Min
- 2.2 Durability: 100Times (Cycles)
- 2.3 Operating Temperature: -40°C ~ +105°C
- 2.4 Ingress Protection: IP67&IP68
- 2.5 Frequency Range: DC to 6 GHz
- 2.6 Return Loss:
≥ 17 dB, DC to 6 GHz
- 2.7 Insertion Loss: 0.1 dB@ 1 GHz
- 2.8 Environment Requirements:
Meet RoHS

Fakra Cable Connector, Jack, R/A, Waterproof

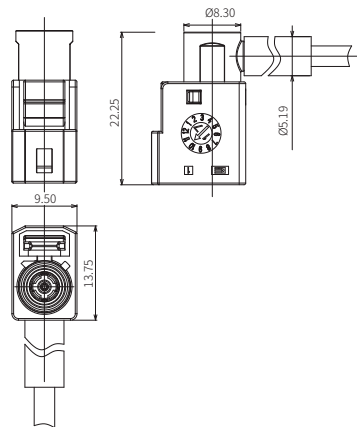
D/N:600-11880-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818011880
B	Cream White	818011881
C	Signal Blue	818011882
D	Claret Violet	818011883
E	Leaf Green	818011884
F	Nut Brown	818011885
G	Blue Gray	818011886
H	Heather Violet	818011887
I	Beige	818011888
K	Curry	818011889
L	Carmines Red	818011890
M	Pastel Orange	818011891
N	Pastel Green	818011892
Z	Water Blue	818011893
Keying Code	Color	Part No.



- 1.1 Rated Voltage: 60V DC Max
- 1.2 Rated Current: 1A DC Max
- 1.3 Resistance to voltage: 500V AC Min
- 1.4 Insulation Resistance: 100MΩ Min
- 1.5 Center Contact Resistance:
Test After: 40 mΩ Max
- 1.6 Outer Contact Resistance:
Test After: 40 mΩ Max
- 1.7 Mating Force: 70N Max
- 1.8 Unmating Force: 70N Max
- 1.9 Locking Device Strength: 80N Min
- 2.0 Cable Retention Force: 100N Min
- 2.1 Body Retention Force: 100N Min
- 2.2 Durability: 25Times (Cycles)
- 2.3 Operating Temperature: -40°C ~ +105°C
- 2.4 Ingress Protection: IP67&IP68
- 2.5 Frequency Range: DC to 6 GHz
- 2.6 Return Loss:
≥ 17 dB, DC to 6 GHz
- 2.7 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 2.8 Environment Requirements: Meet RoHS

Fakra Cable Connector, Jack, V/T, with Cable Lock, Waterproof, Type A ~ Type Z

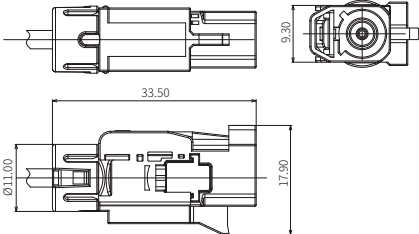
D/N:600-12457-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818012457
B	Cream White	818012484
C	Signal Blue	818012485
D	Claret Violet	818012486
E	Leaf Green	818012487
F	Nut Brown	818012488
G	Blue Gray	818012489
H	Heather Violet	818012490
I	Beige	818012491
K	Curry	818012492
L	Carmines Red	818012493
M	Pastel Orange	818012494
N	Pastel Green	818012495
Z	Water Blue	818012363
Keying Code	Color	Part No.



- 1.1 Rated Voltage: 60V DC Max
- 1.2 Rated Current: 1A DC Max
- 1.3 Resistance to voltage: 500V AC Min
- 1.4 Insulation Resistance: 100MΩ Min
- 1.5 Center Contact Resistance:
Test After: 40 mΩ Max
- 1.6 Outer Contact Resistance:
Test After: 40 mΩ Max
- 1.7 Mating Force: 70N Max
- 1.8 Unmating Force: 70N Max
- 1.9 Locking Device Strength: 80N Min
- 2.0 Cable Retention Force: 100N Min
- 2.1 Body Retention Force: 100N Min
- 2.2 Durability: 100Times (Cycles)
- 2.3 Operating Temperature: -40°C ~ +105°C
- 2.4 Ingress Protection: IP67&IP68
- 2.5 Frequency Range: DC to 6 GHz
- 2.6 Return Loss: ≥ 17 dB, DC to 6 GHz
- 2.7 Insertion Loss: 0.1 dB@ 1 GHz
- 2.8 Environment Requirements:
Meet RoHS

Fakra Cable Connector, Jack, R/A, Waterproof

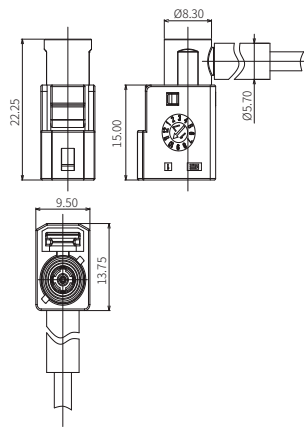
D/N:600-13585-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818013585
B	Cream White	818013586
C	Signal Blue	818013587
D	Claret Violet	818013588
E	Leaf Green	818013589
F	Nut Brown	818013590
G	Blue Gray	818013591
H	Heather Violet	818013592
I	Beige	818013593
K	Curry	818013594
L	Carmines Red	818013595
M	Pastel Orange	818013596
N	Pastel Green	818013597
Z	Water Blue	818013598
Keying Code	Color	Part No.



- 1.1 Rated Voltage: 60V DC Max
- 1.2 Rated Current: 1A DC Max
- 1.3 Resistance to voltage: 800V AC Min
- 1.4 Insulation Resistance: 100MΩ Min
- 1.5 Center Contact Resistance:
Test After: 40 mΩ Max
- 1.6 Outer Contact Resistance:
Test After: 40 mΩ Max
- 1.7 Mating Force: 40N Max
- 1.8 Unmating Force: 40N Max
- 1.9 Locking Device Strength: 80N Min
- 2.0 Cable Retention Force: 100N Min
- 2.1 Body Retention Force: 100N Min
- 2.2 Durability: 100Times (Cycles)
- 2.3 Operating Temperature: -40°C ~ +105°C
- 2.4 Frequency Range: DC to 4 GHz
- 2.5 Return Loss:
≥ 17 dB, DC to 6 GHz
- 2.6 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 2.7 Environment Requirements: Meet RoHS

Fakra Cable Connector, Single Jack Housing, without Cable Lock, Type A ~ Type Z

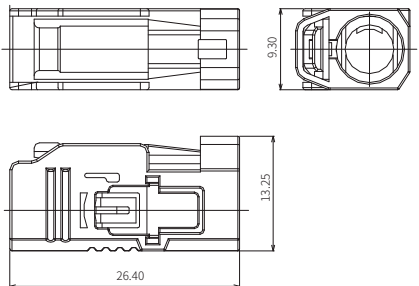
D/N:600-10590-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818010589
B	Cream White	818010590
C	Signal Blue	818010591
D	Claret Violet	818010592
E	Leaf Green	818010593
F	Nut Brown	818010594
G	Blue Gray	818010595
H	Heather Violet	818010596
I	Beige	818010597
K	Curry	818010598
L	Carmines Red	818010599
M	Pastel Orange	818010600
N	Pastel Green	818010601
Z	Water Blue	818010602
Keying Code	Color	Part No.



- 1.1 Material: PPO
- 1.2 Secondary Lock: PBT
- 1.3 Mating Cycles: ≥ 25 Times (Cycles)
- 1.4 Retention Force Latch: ≥ 110 N
- 1.5 Retention Force Primary Lock:
≥ 80 N
- 1.6 Retention Force Secondary Lock:
≥ 60 N
- 1.7 Thermal Shock:
Meet Item 8.2 of DIN 72594-2
- 1.8 Temperature and Humidity:
Meet Item 8.3 of DIN 72594-2
- 1.9 Vibration and Mechanical Shock:
Meet Item 8.1 of DIN 72594-2
- 2.0 Dry Heat:
Meet Item 8.4 of DIN 72594-2
- 2.1 Environmental Requirements:
Meet RoHS
- 2.2 Packing: 100 Pcs/PE Bag

Fakra Cable Housing, Double Jack Housing with Second Lock, Type A ~ Type Z

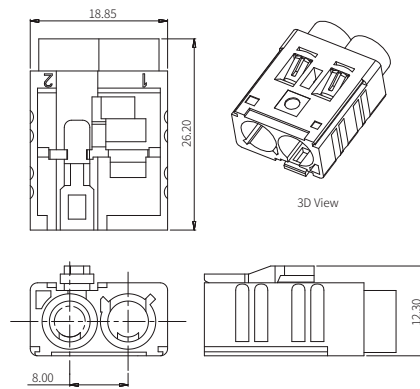
D/N:600-12957-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818012957
B	Cream White	818012958
C	Signal Blue	818012959
D	Claret Violet	818012960
E	Leaf Green	818012961
F	Nut Brown	818012962
G	Blue Gray	818012963
H	Heather Violet	818012964
I	Beige	818012965
K	Curry	818012966
L	Carmines Red	818012967
M	Pastel Orange	818012968
N	Pastel Green	818012969
Z	Water Blue	818012970
Keying Code	Color	Part No.



- 1.1 Material: PPO
- 1.2 Mating Cycles: ≥ 25(times)
- 1.3 Retention Force Latch: ≥ 110 N
- 1.4 Force to Disengage Lock: ≤ 70N
- 1.5 Connector Engagement Force:
Dual-end ≤ 45N
- 1.6 Thermal Shock:
Meet Item 8.2 of DIN 72594-2
- 1.7 Temperature and Humidity:
Meet Item 8.3 of DIN 72594-2
- 1.8 Vibration and Mechanical Shock:
Meet Item 8.1 of DIN 72594-2
- 1.9 Dry Heat:
Meet Item 8.4 of DIN 72594-2
- 2.0 Environment Requirements:
Meet RoHS
- 2.1 Packing: 100 pcs/PE Bag

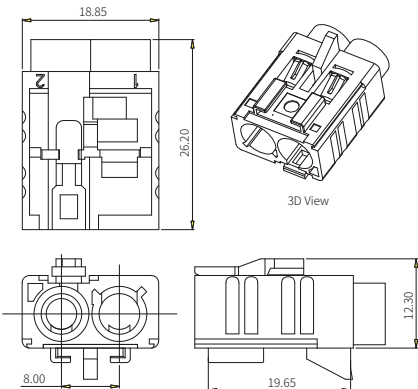
Fakra Cable Housing, Double Jack Housing without Cable Lock, Type A ~ Type Z

D/N:600-13507-01

● Outline Dimensions

● Technology Parameters

		
A	Deep Black	818013507
B	Cream White	818013508
C	Signal Blue	818013509
D	Claret Violet	818013510
E	Leaf Green	818013511
F	Nut Brown	818013512
G	Blue Gray	818013513
H	Heather Violet	818013514
I	Beige	818013515
K	Curry	818013516
L	Carmin Red	818013517
M	Pastel Orange	818013518
N	Pastel Green	818013519
Z	Water Blue	818013520
Keying Code	Color	Part No.



- 1.1 Material: PPO
- 1.2 Mating Cycles: $\geq 25(\text{time})$
- 1.3 Retention Force Latch: $\geq 110 \text{ N}$
- 1.4 Force to Disengage Lock: $\leq 70 \text{ N}$
- 1.5 Connector Engagement Force: Dual-end $\leq 45 \text{ N}$
- 1.6 Thermal Shock: Meet Item 8.2 of DIN 72594-2
- 1.7 Temperature and Humidity: Meet Item 8.3 of DIN 72594-2
- 1.8 Vibration and Mechanical Shock: Meet Item 8.1 of DIN 72594-2
- 1.9 Dry Heat: Meet Item 8.4 of DIN 72594-2
- 2.0 Environment Requirements: Meet RoHS
- 2.1 Packing: 100 pcs/PE Bag

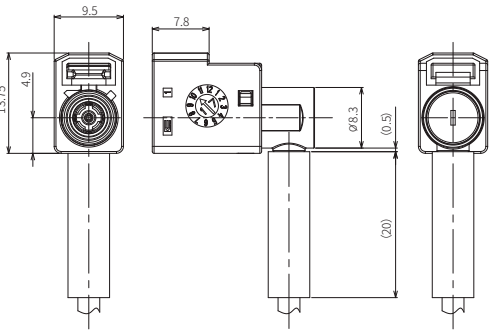
Fakra Cable Connector, Jack, R/A, Waterproof, Type A~Type Z, 3.3

D/N:600-15795-01

● Outline Dimensions

● Technology Parameters

		
A	Deep Black	818015782
B	Cream White	818015783
C	Signal Blue	818015784
D	Claret Violet	818015785
E	Leaf Green	818015786
F	Nut Brown	818015787
G	Blue Gray	818015788
H	Heather Violet	818015789
I	Beige	818015790
K	Curry	818015791
L	Carmin Red	818015792
M	Pastel Orange	818015793
N	Pastel Green	818015794
Z	Water Blue	818015795
Keying Code	Color	Part No.



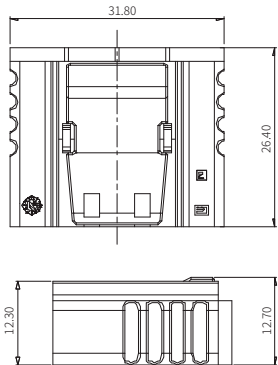
- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency Range: DC to 4 GHz
- 1.3 Return Loss: $\geq 25 \text{ dB}$, DC to 1 GHz
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})} \text{ dB}$
- 1.5 Center Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.7 Rated Voltage: 335Vrms
- 1.8 Rated Current: $\leq 1 \text{ A DC}$
- 1.9 Durability: $\geq 25 \text{ Times (Cycles)}$
- 2.0 Cable Retention Force: $\geq 80 \text{ N}$
- 2.1 Environment Requirements: Meet RoHS

Fakra Cable, Jack Housing, Quadruple

D/N: 600-15481-01

● Outline Dimensions

● Technology Parameters



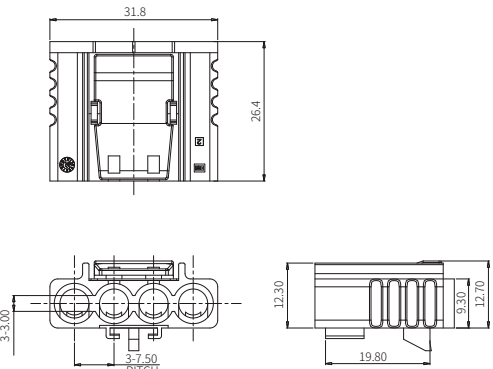
- 1.1 Material: PP0
- 1.2 Mating Cycles: $\geq 25 \text{ Cycles}$
- 1.3 Retention Force Latch: $\geq 110 \text{ N}$
- 1.4 Force to Disengage Lock: $\leq 70 \text{ N}$
- 1.5 Connector Engagement Force: Dual-end $\leq 45 \text{ N}$
- 1.6 Thermal Shock: Meet Item 8.2 of DIN 72594-2
- 1.7 Temperature and Humidity: Meet Item 8.3 of DIN 72594-2
- 1.8 Vibration and Mechanical Shock: Meet Item 8.1 of DIN 72594-2
- 1.9 Dry Heat: Meet Item 8.4 of DIN 72594-2
- 2.0 Environment Requirements: Meet RoHS

Fakra Cable Connector, Jack Housing, Quadruple, With Lock

D/N:600-15738-01

● Outline Dimensions

● Technology Parameters



- 1.1 Material: PP0
- 1.2 Mating Cycles: $\geq 25 \text{ Cycles}$
- 1.3 Retention Force Latch: $\geq 110 \text{ N}$
- 1.4 Force to Disengage Lock: $\leq 70 \text{ N}$
- 1.5 Connector Engagement Force: Dual-end $\leq 45 \text{ N}$
- 1.6 Thermal Shock: Meet Item 8.2 of DIN 72594-2
- 1.7 Temperature and Humidity: Meet Item 8.3 of DIN 72594-2
- 1.8 Vibration and Mechanical Shock: Meet Item 8.1 of DIN 72594-2
- 1.9 Dry Heat: Meet Item 8.4 of DIN 72594-2
- 2.0 Environment Requirements: Meet RoHS

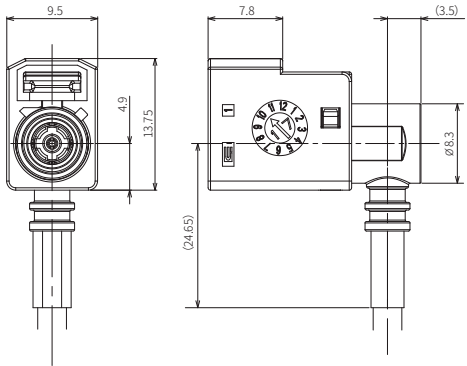
Fakra Cable Connector, Jack, R/A

D/N:600-14580-01

● Outline Dimensions

● Technology Parameters

		
A	Deep Black	818014580
B	Cream White	818014581
C	Signal Blue	818014582
D	Claret Violet	818014583
E	Leaf Green	818014584
F	Nut Brown	818014585
G	Blue Gray	818014586
H	Heather Violet	818014587
I	Beige	818014588
K	Curry	818014589
L	Carmin Red	818014590
M	Pastel Orange	818014591
N	Pastel Green	818014592
Z	Water Blue	818014593
Keying Code	Color	Part No.



- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency Range: DC to 4 GHz
- 1.3 Return Loss: $\geq 25 \text{ dB}$, DC to 1 GHz
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})} \text{ dB}$
- 1.5 Center Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.7 Rated Voltage: 335Vrms
- 1.8 Rated Current: $\leq 1 \text{ A DC}$
- 1.9 Durability: $\geq 25 \text{ Times (Cycles)}$
- 2.0 Cable Retention Force: $\geq 80 \text{ N}$
- 2.1 Environment Requirements: Meet RoHS

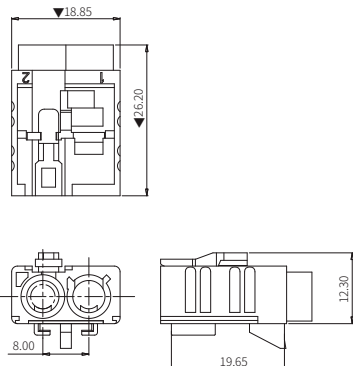
Fakra Cable Connector, Plug Housing, Double, With Lock

D/N:600-16224-01

● Outline Dimensions

● Technology Parameters

		
A	Deep Black	818016224
B	Cream White	818016225
C	Signal Blue	818016226
D	Claret Violet	818016227
E	Leaf Green	818016228
F	Nut Brown	818016229
G	Blue Gray	818016230
H	Heather Violet	818016231
I	Beige	818016232
K	Curry	818016233
L	Carmin Red	818016234
M	Pastel Orange	818016235
N	Pastel Green	818016236
Z	Water Blue	818016237
Keying Code	Color	Part No.



- 1.1 Material: PPO
- 1.2 Mating Cycles: $\geq 25(\text{time})$
- 1.3 Retention Force Latch: $\geq 110 \text{ N}$
- 1.4 Force to Disengage Lock: $\leq 70 \text{ N}$
- 1.5 Connector Engagement Force: Dual-end $\leq 45 \text{ N}$
- 1.6 Thermal Shock: Meet Item 8.2 of DIN 72594-2
- 1.7 Temperature and Humidity: Meet Item 8.3 of DIN 72594-2
- 1.8 Vibration and Mechanical Shock: Meet Item 8.1 of DIN 72594-2
- 1.9 Dry Heat: Meet Item 8.4 of DIN 72594-2
- 2.0 Environment Requirements: Meet RoHS
- 2.1 Packing: 100 pcs/PE Bag

Fakra Cable Connector, Jack, R/A, 3.3 For Coding C

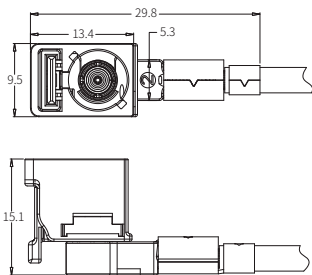
D/N:600-15884-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818015882
B	Cream White	818015883
C	Signal Blue	818015884
D	Claret Violet	818015885
E	Leaf Green	818015886
F	Nut Brown	818015887
G	Blue Gray	818015888
H	Heather Violet	818015889
I	Beige	818015890
K	Curry	818015891
L	Carmin Red	818015892
M	Pastel Orange	818015893
N	Pastel Green	818015894
Z	Water Blue	818015895
Keying Code	Color	Part No.



- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 4 GHz
- 1.3 Return Loss: ≥ 25 dB, DC to 1 GHz
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤ 5 mΩ
- 1.6 Outer Contact Resistance: ≤ 5 mΩ
- 1.7 Rated Voltage: 335Vrms
- 1.8 Rated Current: ≤ 1 A DC
- 1.9 Durability: ≥25Times (Cycles)
- 2.0 Cable Retention Force: ≥80N
- 2.1 Environment Requirements: Meet RoHS

Fakra Cable Connector, Jack Housing, Single, With Lock

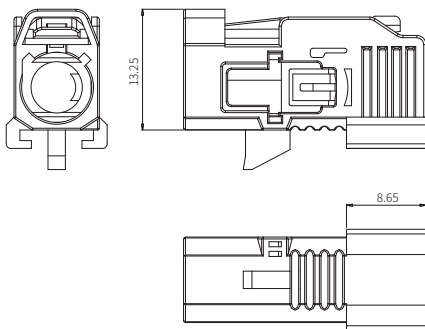
D/N:600-14026-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818014026
B	Cream White	818014027
C	Signal Blue	818014028
D	Claret Violet	818014029
E	Leaf Green	818014030
F	Nut Brown	818014031
G	Blue Gray	818014032
H	Heather Violet	818014033
I	Beige	818014034
K	Curry	818014035
L	Carmin Red	818014036
M	Pastel Orange	818014037
N	Pastel Green	818014038
Z	Water Blue	818014039
Keying Code	Color	Part No.



- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 4 GHz
- 1.3 Return Loss: ≥ 25 dB, DC to 1 GHz
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤ 5 mΩ
- 1.6 Outer Contact Resistance: ≤ 5 mΩ
- 1.7 Rated Voltage: 335Vrms
- 1.8 Rated Current: ≤ 1 A DC
- 1.9 Durability: ≥25Times (Cycles)
- 2.0 Cable Retention Force: ≥80N
- 2.1 Environment Requirements: Meet RoHS

Fakra Cable Jack, R/A, L=13.4mm, W=9.5mm, Type A~Type Z (RG174/RG316)

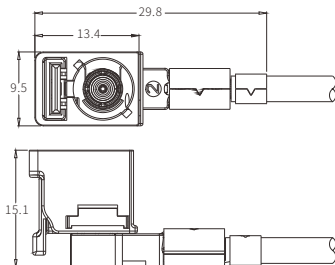
D/N: 600-23762-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818023760
B	Cream White	818023761
C	Signal Blue	818023762
D	Claret Violet	818023763
E	Leaf Green	818023764
F	Nut Brown	818023765
G	Blue Gray	818023766
H	Heather Violet	818023767
I	Beige	818023768
K	Curry	818023769
L	Carmin Red	818023770
M	Pastel Orange	818023771
N	Pastel Green	818023772
Z	Water Blue	818023773
Keying Code	Color	Part No.



- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 4 GHz
- 1.3 Return Loss: ≥ 25 dB, DC to 1 GHz
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤ 5 mΩ
- 1.6 Outer Contact Resistance: ≤ 5 mΩ
- 1.7 Rated Voltage: 335Vrms
- 1.8 Rated Current: ≤ 1 A DC
- 1.9 Durability: ≥25Times (Cycles)
- 2.0 Cable Retention Force: ≥80N
- 2.1 Environment Requirements: Meet RoHS

Fakra Cable Jack, R/A, Waterproof, Type A~ Type Z (Short Type)

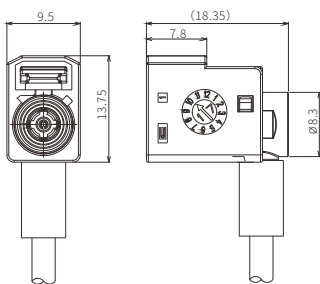
D/N: 600-25860-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818025847
B	Cream White	818025848
C	Signal Blue	818025849
D	Claret Violet	818025850
E	Leaf Green	818025851
F	Nut Brown	818025852
G	Blue Gray	818025853
H	Heather Violet	818025854
I	Beige	818025855
K	Curry	818025856
L	Carmin Red	818025857
M	Pastel Orange	818025858
N	Pastel Green	818025859
Z	Water Blue	818025860
Keying Code	Color	Part No.



- Electrical Performance**
- 1.1 Impedance: 50+/-5 Ω
 - 1.2 Frequency: DC to 4 GHz
 - 1.3 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.4 Insulation Resistance: ≥ 100MΩ
 - 1.5 Center Contact Resistance: 5mΩ Max
 - 1.6 Outer Contact Resistance: 5mΩ Max
 - 1.7 Test Voltage: 500V rms
 - 1.8 Working Voltage: 60V rms
 - 1.9 Contact Current: ≤ 1 A DC
- Mechanical Performance**
- 2.0 Mating Cycles: ≥ 25 Times
 - 2.1 Mating Force: ≤ 30 N
 - 2.2 Rentention Force Latch ≥ 100 N
 - 2.3 Temperature Range: -40 °C - +105 °C
 - 2.4 Ingress Protection: IP67

Fakra Cable Jack, R/A, Waterproof, Type A~ Type Z for Not-Rotate

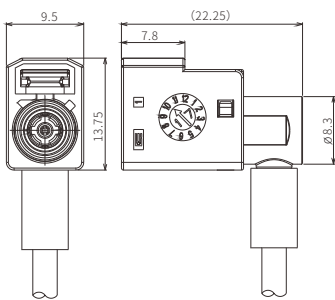
D/N: 600-30487-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818030474
B	Cream White	818030475
C	Signal Blue	818030476
D	Claret Violet	818030477
E	Leaf Green	818030478
F	Nut Brown	818030479
G	Blue Gray	818030480
H	Heather Violet	818030481
I	Beige	818030482
K	Curry	818030483
L	Carmin Red	818030484
M	Pastel Orange	818030485
N	Pastel Green	818030486
Z	Water Blue	818030487
Keying Code	Color	Part No.



- Electrical Performance**
- 1.1 Impedance: 50Ω +/-5Ω
 - 1.2 Frequency Range: DC to 4 GHz
 - 1.3 VSWR:1.5 Max
 - 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.5 Center Contact Resistance: 5mΩ Max
 - 1.6 Outer Contact Resistance: 5mΩ Max
 - 1.7 Rated Voltage: 60 V DC
 - 1.8 Rated Current: 1 A DC Max
- Mechanical Performance**
- 1.9 Mating Cycles: ≥25
 - 2.0 Mating Force: 30N Max
 - 2.1 Cable Retention Force: 100 N Min
 - 2.2 Temperature Range: -40 °C - +105 °C
 - 2.3 Ingress Protection: IP68&IPX9K

Fakra Cable Jack, R/A, Waterproof, Type A~ Type Z

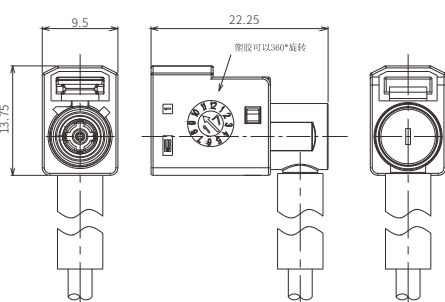
D/N: 600-12185-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818012185
B	Cream White	818012599
C	Signal Blue	818012600
D	Claret Violet	818012601
E	Leaf Green	818012602
F	Nut Brown	818012603
G	Blue Gray	818012604
H	Heather Violet	818012605
I	Beige	818012606
K	Curry	818012607
L	Carmin Red	818012608
M	Pastel Orange	818012609
N	Pastel Green	818012610
Z	Water Blue	818012611
Keying Code	Color	Part No.



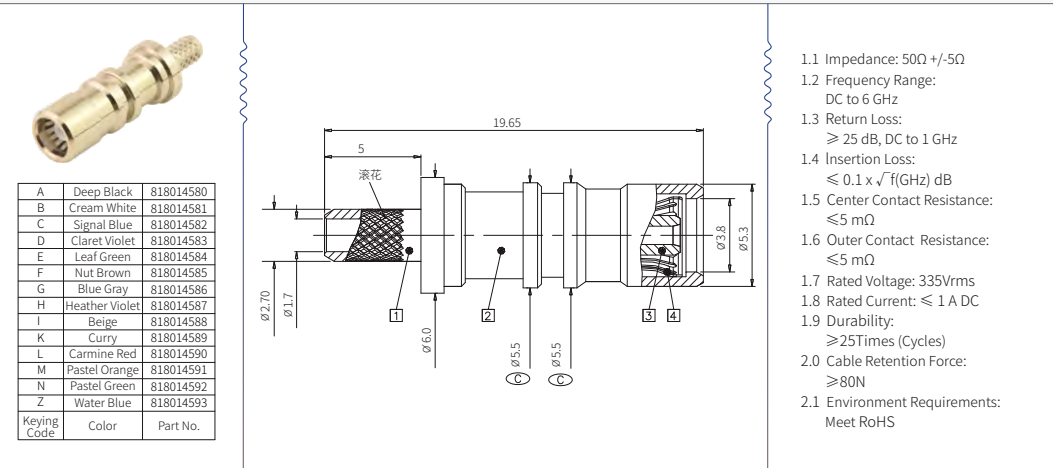
- 1.1 Rated Voltage: 60V DC Max
- 1.2 Rated Current: 1A DC Max
- 1.3 Resistance to voltage: 500V AC Min
- 1.4 Insulation Resistance: 100MΩ Min
- 1.5 Center Contact Resistance: Test After: 40 mΩ Max
- 1.6 Outer Contact Resistance: Test After: 40 mΩ Max
- 1.7 Mating Force: 70N Max
- 1.8 Unmating Force: 70N Max
- 1.9 Locking Device Strength: 80N Min
- 2.0 Cable Retention Force: 100N Min
- 2.1 Body Retention Force: 100N Min
- 2.2 Durability: 100Times (Cycles)
- 2.3 Operating Temperature: -40°C ~ +105°C
- 2.4 Ingress Protection: IP67&IP68
- 2.5 Frequency Range: DC to 6 GHz
- 2.6 Return Loss: ≥ 17 dB, DC to 6 GHz
- 2.7 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 2.8 Environment Requirements: Meet RoHS

Fakra II Jack Connector, Automata Version (RG174/RG316)

D/N:600-15842-01

● Outline Dimensions

● Technology Parameters



1.1 Impedance: 50Ω +/-5Ω

1.2 Frequency Range: DC to 6 GHz

1.3 Return Loss: ≥ 25 dB, DC to 1 GHz

1.4 Insertion Loss: ≤ 0.1 x √ f(GHz) dB

1.5 Center Contact Resistance: ≤ 5 mΩ

1.6 Outer Contact Resistance: ≤ 5 mΩ

1.7 Rated Voltage: 335Vrms

1.8 Rated Current: ≤ 1 A DC

1.9 Durability: ≥ 25Times (Cycles)

2.0 Cable Retention Force: ≥ 80N

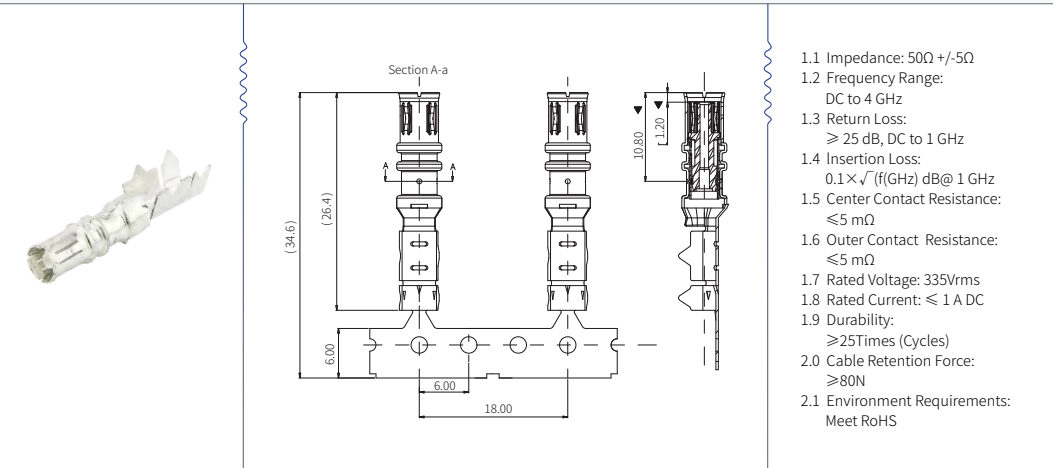
2.1 Environment Requirements: Meet RoHS

Fakra III Jack Terminal, Assy for Plug Connector, 3.3 Cable (RTK031)

D/N:600-18742-01

● Outline Dimensions

● Technology Parameters



1.1 Impedance: 50Ω +/-5Ω

1.2 Frequency Range: DC to 4 GHz

1.3 Return Loss: ≥ 25 dB, DC to 1 GHz

1.4 Insertion Loss: 0.1 x √ f(GHz) dB@ 1 GHz

1.5 Center Contact Resistance: ≤ 5 mΩ

1.6 Outer Contact Resistance: ≤ 5 mΩ

1.7 Rated Voltage: 335Vrms

1.8 Rated Current: ≤ 1 A DC

1.9 Durability: ≥ 25Times (Cycles)

2.0 Cable Retention Force: ≥ 80N

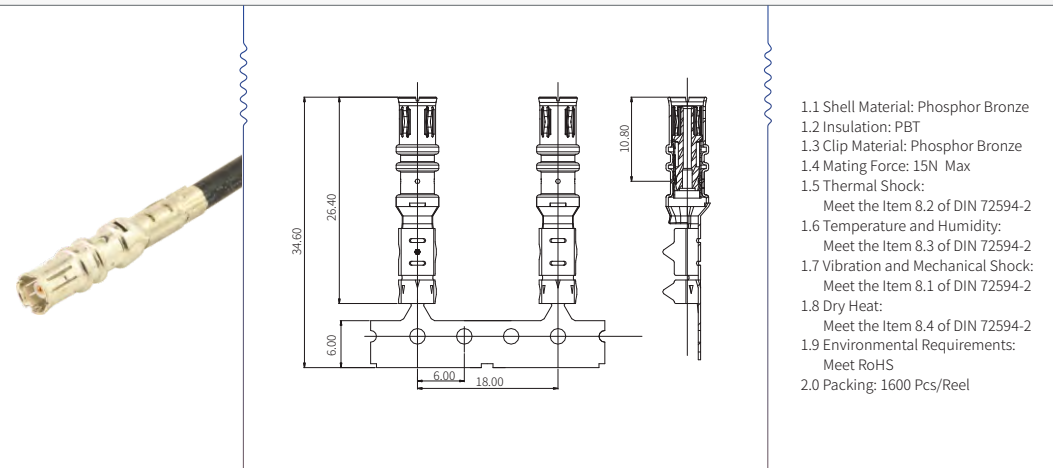
2.1 Environment Requirements: Meet RoHS

Fakra III Jack Terminal, Assy for Jack (RG174/RG316)

D/N:600-4830-01

● Outline Dimensions

● Technology Parameters



1.1 Shell Material: Phosphor Bronze

1.2 Insulation: PBT

1.3 Clip Material: Phosphor Bronze

1.4 Mating Force: 15N Max

1.5 Thermal Shock: Meet the Item 8.2 of DIN 72594-2

1.6 Temperature and Humidity: Meet the Item 8.3 of DIN 72594-2

1.7 Vibration and Mechanical Shock: Meet the Item 8.1 of DIN 72594-2

1.8 Dry Heat: Meet the Item 8.4 of DIN 72594-2

1.9 Environmental Requirements: Meet RoHS

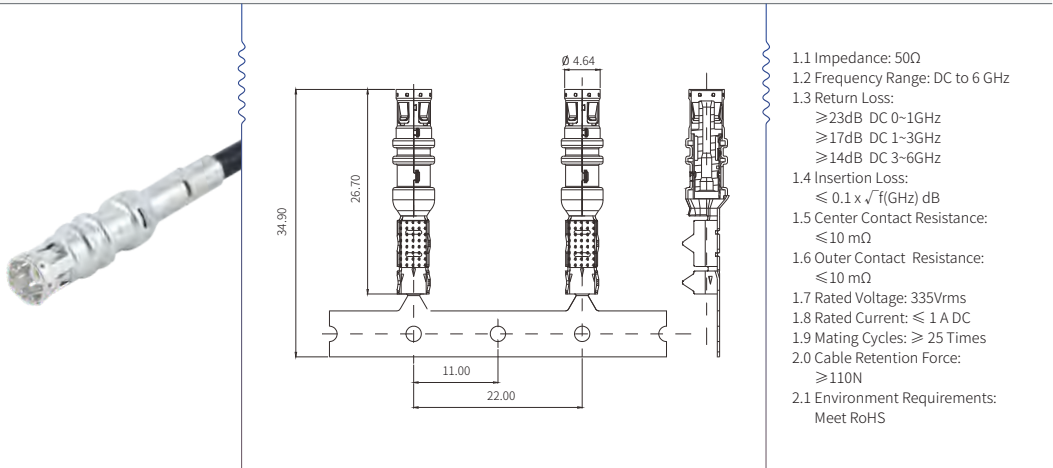
2.0 Packing: 1600 Pcs/Reel

Fakra IV Jack Terminal, Assy for Jack (RG174/RG316)

D/N: 600-23104-01

● Outline Dimensions

● Technology Parameters



1.1 Impedance: 50Ω

1.2 Frequency Range: DC to 6 GHz

1.3 Return Loss: ≥ 23dB DC 0~1GHz
≥ 17dB DC 1~3GHz
≥ 14dB DC 3~6GHz

1.4 Insertion Loss: ≤ 0.1 x √ f(GHz) dB

1.5 Center Contact Resistance: ≤ 10 mΩ

1.6 Outer Contact Resistance: ≤ 10 mΩ

1.7 Rated Voltage: 335Vrms

1.8 Rated Current: ≤ 1 A DC

1.9 Mating Cycles: ≥ 25 Times

2.0 Cable Retention Force: ≥ 110N

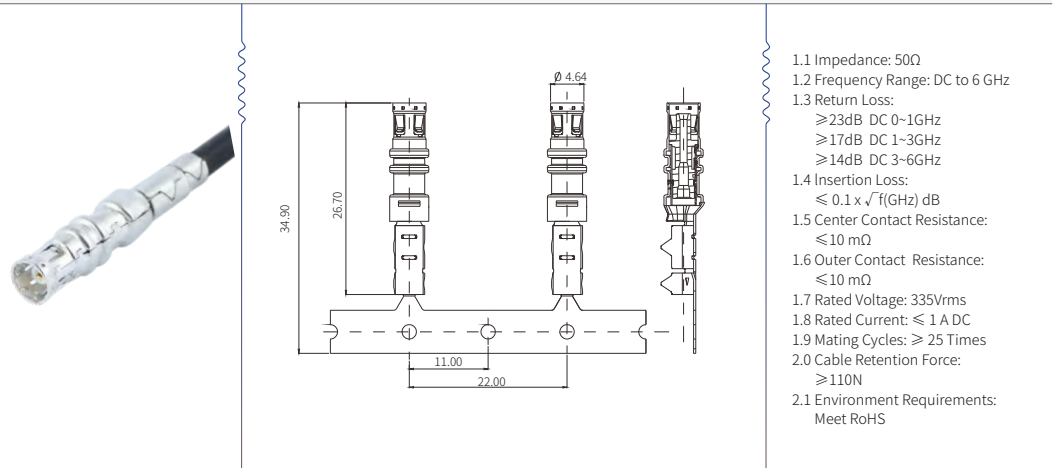
2.1 Environment Requirements: Meet RoHS

Fakra IV Jack Terminal, Assy for Jack (RTK031)

D/N: 600-26801-01

● Outline Dimensions

● Technology Parameters



1.1 Impedance: 50Ω

1.2 Frequency Range: DC to 6 GHz

1.3 Return Loss: ≥ 23dB DC 0~1GHz
≥ 17dB DC 1~3GHz
≥ 14dB DC 3~6GHz

1.4 Insertion Loss: ≤ 0.1 x √ f(GHz) dB

1.5 Center Contact Resistance: ≤ 10 mΩ

1.6 Outer Contact Resistance: ≤ 10 mΩ

1.7 Rated Voltage: 335Vrms

1.8 Rated Current: ≤ 1 A DC

1.9 Mating Cycles: ≥ 25 Times

2.0 Cable Retention Force: ≥ 110N

2.1 Environment Requirements: Meet RoHS

Mini Fakra Connector Series



D/N: 600-19569-01

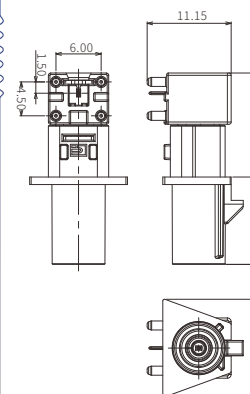
- Outline Dimensions

- PCB Layout

- Technology Parameters



A	Deep Black	818019568
B	Cream White	818022675
C	Signal Blue	818022676
D	Claret Violet	818022677
E	Leaf Green	818022678
F	Nut Brown	818022679
G	Blue Gray	818022680
H	Heather Violet	818022681
I	Beige	818022682
K	Curry	818022683
L	Carmine Red	818022684
M	Pastel Orange	818022685
N	Pastel Green	818022686
Z	Water Blue	818022688
Keying Code	Color	Part No.



Material

- Housing: PA4T
- Outer Contact: Copper Alloy
- Center Pin: Copper Alloy
- Insulator: LCP
- Body : Zinc Alloy

Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency: DC to 9 GHz
- 1.3 Return Loss :
 - ≥ 15 dB, 6 GHz to 9 GHz
 - ≥ 20 dB, DC to 6 GHz
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Insulation Resistance: $\geq 100\text{M}\Omega$
- 1.6 Center Contact Resistance: 24m Ω Max
- 1.7 Outer Contact Resistance: 6m Ω Max
- 1.8 Test Voltage: 750V rms
- 1.9 Working Voltage: 335V rms
- 2.0 Contact Current: ≤ 1 A DC
- 2.1 RF-leakage: ≥ 65 dB

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Times
2.3 Mating Force: ≤ 60 N
2.4 Center Pin Retention Force: ≥ 50 N
2.5 Retention Force Latch: ≥ 110 N
2.6 Temperature Range:
-40 °C - +105 °C

D/N: 600-24869-01

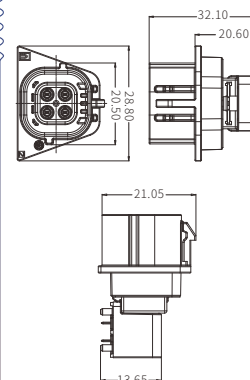
- Outline Dimensions

- PCB Layout

- Technology Parameters



A	Deep Black	818028535
B	Cream White	818028536
C	Signal Blue	818028537
D	Claret Violet	818028538
Keying Code	Color	Part No.



Material

- Plastic Housings: PA4T
- Outer Contact: Phosphorus Copper
- Center Pin: Brass
- Insulator: LCP
- Outer ContactBody: Zinc Alloy
- EMC Stainless Steel: Phosphorus Copper
- Bulkhead: Brass
- Locking Plate: Stainless Steel
- Lock: Stainless Steel
- Type Z, High Temperature Resistance, Reflow Soldering

Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency: DC to 9 GHz
- 1.3 Return Loss:
 - ≤ -20 dB, 0–6 GHz
 - ≤ -12 dB, 6–9 GHz
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Insertion Resistance: ≥ 100 M Ω
- 1.6 Center Contact Resistance: 24 m Ω Max
- 1.7 Outer Contact Resistance: 6 m Ω Max
- 1.8 Test Voltage: 500 V rms
- 1.9 Working Voltage: 12 V DC
- 2.0 Contact Current: ≤ 0.5 A DC
- 2.1 RF-leakage: ≥ 65 dB

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Times
2.3 Mating Force: ≤ 75 N
2.4 Center Pin Retention Force: ≥ 10 N
2.5 Retention Force Latch: ≥ 110 N
2.6 Temperature Range:
-40 °C - +105 °C

D/N:600-26553-01

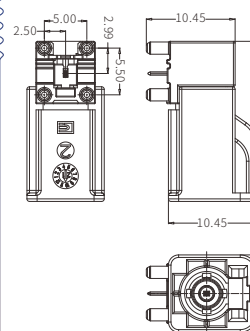
- Outline Dimensions

- PCB Layout

- Technology Parameters



A	Deep Black	81802654
B	Cream White	81802654
C	Signal Blue	81802654
D	Claret Violet	81802654
E	Leaf Green	81802654
F	Nut Brown	81802654
G	Blue Gray	81802654
H	Heather Violet	81802654
I	Beige	81802655
K	Curry	81802655
L	Carmine Red	—
M	Pastel Orange	—
N	Pastel Green	81802655
Z	Water Blue	81802655
Keying	Color	Part No.



Material

- Plastic Housings: PA4T
- Center Pin: Brass
- Insulator: LCP
- Outer ContactBody: Zinc Alloy
- Locking Plate: Stainless Steel
- Type A~Z, High Temperature Resistance, Reflow Soldering

Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency: DC to 9 GHz
- 1.3 Return Loss:
 - ≤ -20 dB, 0–6 GHz
 - ≤ -12 dB, 6–9 GHz
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Insulation Resistance: ≥ 100 M Ω
- 1.6 Center Contact Resistance: 24 m Ω Max
- 1.7 Outer Contact Resistance: 6 m Ω Max
- 1.8 Test Voltage: 500 V rms
- 1.9 Working Voltage: 12 V DC
- 2.0 Contact Current: ≤ 0.5 A DC
- 2.1 RF-leakage: ≥ 65 dB

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Times
2.3 Mating Force: ≤ 25 N
2.4 Center Pin Retention Force: ≥ 10 N
2.5 Retention Force Latch: ≥ 110 N
2.6 Temperature Range:
-40 °C - +105 °C

Mini Fakra(R-MF) 2 Pos, PCB Connector Plug, R/A

D/N: 600-26577-01

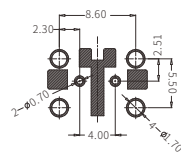
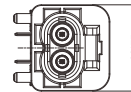
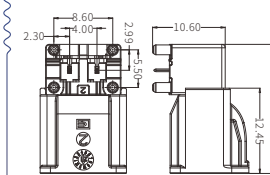
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818026566
B	Cream White	818026567
C	Signal Blue	818026568
D	Claret Violet	818026569
E	Leaf Green	818026570
F	Nut Brown	818026571
G	Blue Gray	818026572
H	Heather Violet	818026573
I	Beige	818026574
K	Curry	818026575
L	Carmin Red	—
M	Pastel Orange	—
N	Pastel Green	818026578
Z	Water Blue	818026579
Keying Code	Color	Part No.



Material

- Plastic Housings: PA4T
- Center Pin: Brass
- Insulator: LCP
- Outer ContactBody: Zinc Alloy
- Locking Plate: Stainless Steel
- Type A-Z, High Temperature Resistance, Reflow Soldering

Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency: DC to 9 GHz
- 1.3 Return Loss:
 - ≤ -20dB, 0~6 GHz
 - ≤ -12dB, 6~9 GHz
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Insulation Resistance: ≥ 100MΩ
- 1.6 Center Contact Resistance: 24mΩ Max
- 1.7 Outer Contact Resistance: 6mΩ Max
- 1.8 Test Voltage: 500V rms
- 1.9 Working Voltage: 12V DC
- 2.0 Contact Current: ≤ 0.5 A DC
- 2.1 RF-leakage: ≥ 65 dB

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Times
- 2.3 Mating Force: ≤ 45 N
- 2.4 Center Pin Retention Force: ≥ 10N
- 2.5 Retention Force Latch: ≥ 110 N
- 2.6 Temperature Range: -40 °C ~ +105 °C

Mini Fakra(R-MF) 4 Pos, PCB Connector Plug, V/T

D/N: 600-22967-01

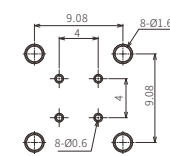
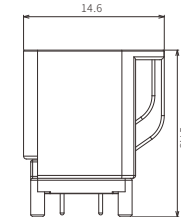
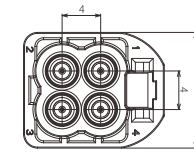
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818022961
B	Cream White	818022962
C	Signal Blue	818022963
D	Claret Violet	818022964
E	Leaf Green	818022965
F	Nut Brown	818022966
G	Blue Gray	—
H	Heather Violet	—
I	Beige	—
K	Curry	—
L	Carmin Red	—
M	Pastel Orange	—
N	Pastel Green	—
Z	Water Blue	818022967
Keying Code	Color	Part No.



Material

- Housing: PA4T
- Insulator: TPFE
- Center Pin: Copper Alloy
- Outer Contact: Copper Alloy
- Body: Zinc Alloy
- Lock: Stainless Steel

Electrical Performance

- 1.1 Impedance: 50Ω
- 1.2 Frequency Range: DC to 6 GHz
- 1.3 Return Loss:
 - ≤ -18 dB, DC to 3 GHz
 - ≤ -14 dB, DC 3 to 6 GHz
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: 24mΩ Max
- 1.6 Outer Contact Resistance: 6mΩ Max
- 1.7 Rated Voltage: 60 V DC
- 1.8 Rated Current: ≤ 1 A DC

Mechanical Performance

- 1.9 Mating Cycles: ≥ 25
- 2.0 Mating Force: ≤ 45N
- 2.1 Unmating Force: 5N < F ≤ 45 N
- 2.2 Retention Force Latch: ≥ 110 N
- 2.3 Temperature Range: -40 °C ~ +105 °C

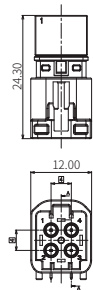
Mini Fakra(T-MF) 4 Pos, PCB Connector Plug, R/A

D/N: 600-14012-01

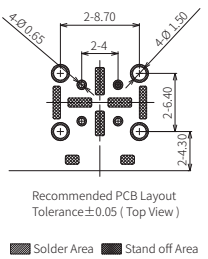
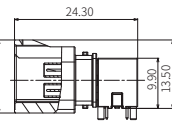
● Outline Dimensions

● PCB Layout

● Technology Parameters



SECTION A-A



Material

- Housing: PPA
- Insulator: LCP
- Center Pin: Spring Bronze
- Outer Contact: Spring Bronze
- Body: Zinc Alloy
- Postperculum: Zinc Alloy

Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 9 GHz
- 1.3 Return Loss:
 - ≥ 20 dB, DC to 3 GHz
 - ≥ 14 dB, DC to 6 GHz
 - TBD, DC to 9 GHz
- 1.4 Insertion Loss:
 - 0.35 dB, f ≤ 3 GHz
 - 0.55 dB, 3 GHz < f ≤ 6 GHz
 - TBD, 6GHz < f ≤ 9 GHz
- 1.5 Center Contact Resistance: 24mΩ Max
- 1.6 Outer Contact Resistance: 6mΩ Max
- 1.7 Rated Voltage: 60 V DC
- 1.8 Rated Current: ≤ 1 A DC

Mechanical Performance

- 1.9 Mating Cycles: ≥ 25
- 2.0 Mating Force: ≤ 60 N
- 2.1 Unmating Force: ≥ 5N < F ≤ 60 N
- 2.2 Retention Force Latch: ≥ 110 N
- 2.3 Temperature Range: -40 °C ~ +105 °C

Mini Fakra(A-MF) 4X4 Pos, PCB Connector Plug, R/A

D/N: 600-18732-01

● Outline Dimensions

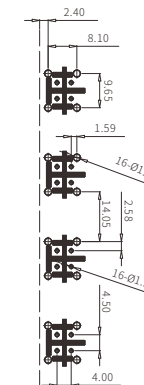
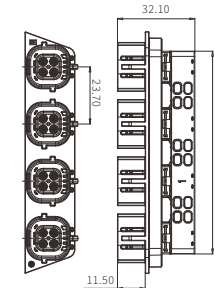
● PCB Layout

● Technology Parameters



Material

- Plastic Housings: PA4T
- Outer Contact: Phosphorus Copper
- Center Pin: Brass
- Insulator: LCP
- Outer ContactBody: Zinc Alloy
- EMC Stainless Steel: Phosphorus Copper
- Bulkhead: Brass
- Locking Plate: Stainless Steel
- Lock: Stainless Steel
- Type Z, High Temperature Resistance, Reflow Soldering



Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency: DC to 9 GHz
- 1.3 Return Loss:
 - ≤ -20dB, 0~6 GHz
 - ≤ -12dB, 6~9 GHz
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Insulation Resistance: ≥ 100MΩ
- 1.6 Center Contact Resistance: 24mΩ Max
- 1.7 Outer Contact Resistance: 6mΩ Max
- 1.8 Test Voltage: 500V rms
- 1.9 Working Voltage: 12V DC
- 2.0 Contact Current: ≤ 0.5 A DC
- 2.1 RF-leakage: ≥ 65 dB

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Times
- 2.3 Mating Force: ≤ 75 N
- 2.4 Center Pin Retention Force: ≥ 10N
- 2.5 Retention Force Latch: ≥ 110 N
- 2.6 Temperature Range: -40 °C ~ +105 °C

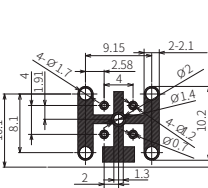
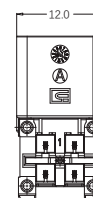
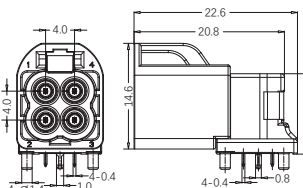
Mini Fakra(R-MF) 4 Pos, PCB Connector Plug, R/A

D/N:600-16351-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Material

- Housing: PA4T
- Insulator: LCP
- Center Pin: Copper Alloy
- Outer Contact: Copper Alloy
- Body: Zinc Alloy
- Postperculum: Copper Alloy

Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 9 GHz
- 1.3 Return Loss:
 - ≤ -20dB, 0~3GHz
 - ≤ -14dB, 3~6GHz
 - ≤ -11dB, 6~9GHz
- 1.4 Insertion Loss:
 - 0.35 dB, f ≤ 3 GHz
 - 0.55 dB, 3 GHz < f ≤ 6 GHz
 - TBD, 6GHz < f ≤ 9 GHz
- 1.5 Center Contact Resistance: 24mΩ Max
- 1.6 Outer Contact Resistance: 6mΩ Max
- 1.7 Rated Voltage: 60 V DC
- 1.8 Rated Current: ≤ 1 A DC

Mechanical Performance

- 1.9 Mating Cycles: ≥ 25
- 2.0 Mating Force: ≤ 75N
- 2.1 Unmating Force: 5N < F ≤ 75 N
- 2.2 Retention Force Latch: ≥ 110 N
- 2.3 Temperature Range: -40 °C ~ +105 °C

Mini Fakra(R-MF) 1 Pos, Cable Connector Plug

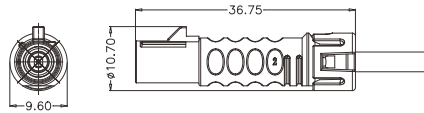
D/N: 600-19528-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818019528
B	Cream White	818022649
C	Signal Blue	818022650
D	Claret Violet	818022651
E	Leaf Green	818022652
F	Nut Brown	818022653
G	Blue Gray	818022654
H	Heather Violet	818022655
I	Beige	818022656
K	Curry	818022657
L	Carminie Red	818022658
M	Pastel Orange	818022659
N	Pastel Green	818022660
Z	Water Blue	818022661
Keying Code	Color	Part No.



Material

2.8 Plastic Housings: PPO
2.9 Outer Contact: Copper Alloy
3.0 Center Pin: Copper Alloy
3.1 Insulator: PP

Mechanical Performance

2.2 Mating Cycles: ≥ 25 Times
2.3 Mating Force: ≤ 60 N
2.4 Center Pin Retention Force: ≥ 50 N
2.5 Retention Force Latch: ≥ 110 N
2.6 Temperature Range: $-40^{\circ}\text{C} - +105^{\circ}\text{C}$
2.7 Ingress Protection: IP67

Electrical Performance

1.1 Impedance: $50\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss:
 ≥ 15 dB, 6 GHz to 9 GHz
 ≥ 20 dB, DC to 6 GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 750V rms
1.9 Working Voltage: 335V rms
2.0 Contact Current: ≤ 1 A DC
2.1 RF-leakage: ≥ 65 dB

Mini Fakra(R-MF) 1 Pos, Cable Connector Plug

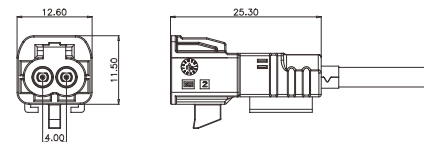
D/N: 600-26840-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818026886
B	Cream White	818026887
C	Signal Blue	818026888
D	Claret Violet	818026889
E	Leaf Green	818026890
F	Nut Brown	818026891
G	Blue Gray	818026892
H	Heather Violet	818026893
I	Beige	818026894
K	Curry	818026895
L	Carminie Red	—
M	Pastel Orange	—
N	Pastel Green	818026896
Z	Water Blue	818026840
Keying Code	Color	Part No.



Material

2.5 Plastic Housings: PPO
2.6 Outer Contact: Copper Alloy
2.7 Center Pin: Copper Alloy
2.8 Insulator: PP
2.9 Type A-Type Z

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Center Pin Retention Force: ≥ 30 N
2.3 Retention Force Latch: ≥ 110 N
2.4 Temperature Range:
 $-40^{\circ}\text{C} - +105^{\circ}\text{C}$

Electrical Performance

1.1 Impedance: $50\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss:
 ≤ -20 dB, DC to 3GHz
 ≤ -14 dB, 3G to 6GHz
 ≤ -11 dB, 6GHz to 9GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 500V rms
1.9 Working Voltage: 12VDC

Mini Fakra(R-MF) 1 Pos, Cable Connector Plug

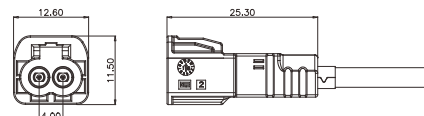
D/N:600-26841-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818026897
B	Cream White	818026898
C	Signal Blue	818026899
D	Claret Violet	818026900
E	Leaf Green	818026901
F	Nut Brown	818026902
G	Blue Gray	818026903
H	Heather Violet	818026904
I	Beige	818026905
K	Curry	818026906
L	Carminie Red	—
M	Pastel Orange	—
N	Pastel Green	818026907
Z	Water Blue	818026841
Keying Code	Color	Part No.



Material

2.5 Plastic Housings: PPO
2.6 Outer Contact: Copper Alloy
2.7 Center Pin: Copper Alloy
2.8 Insulator: PP
2.9 Type A-Type Z

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Center Pin Retention Force: ≥ 30 N
2.3 Retention Force Latch: ≥ 110 N
2.4 Temperature Range:
 $-40^{\circ}\text{C} - +105^{\circ}\text{C}$

Electrical Performance

1.1 Impedance: $50\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss:
 ≤ -20 dB, DC to 3GHz
 ≤ -14 dB, 3G to 6GHz
 ≤ -11 dB, 6GHz to 9GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 500V rms
1.9 Working Voltage: 12VDC

Mini Fakra(R-MF) 2 Pos, Cable Connector Plug

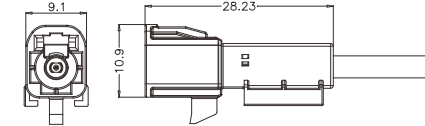
D/N: 600-26838-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818026864
B	Cream White	818026865
C	Signal Blue	818026866
D	Claret Violet	818026867
E	Leaf Green	818026868
F	Nut Brown	818026869
G	Blue Gray	818026870
H	Heather Violet	818026871
I	Beige	818026872
K	Curry	818026873
L	Carminie Red	—
M	Pastel Orange	—
N	Pastel Green	818026874
Z	Water Blue	818026838
Keying Code	Color	Part No.



Material

2.5 Plastic Housings: PPO
2.6 Outer Contact: Copper Alloy
2.7 Center Pin: Copper Alloy
2.8 Insulator: PP
2.9 Type A-Type Z

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Center Pin Retention Force: ≥ 30 N
2.3 Retention Force Latch: ≥ 110 N
2.4 Temperature Range:
 $-40^{\circ}\text{C} - +105^{\circ}\text{C}$

Electrical Performance

1.1 Impedance: $50\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss:
 ≤ -20 dB, DC to 3GHz
 ≤ -14 dB, 3G to 6GHz
 ≤ -11 dB, 6GHz to 9GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 500V rms
1.9 Working Voltage: 12VDC

Mini Fakra(R-MF) 2 Pos, Cable Connector Plug

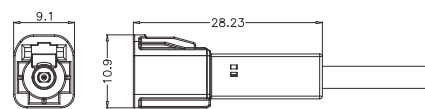
D/N: 600-26839-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818026886
B	Cream White	818026887
C	Signal Blue	818026888
D	Claret Violet	818026889
E	Leaf Green	818026890
F	Nut Brown	818026891
G	Blue Gray	818026892
H	Heather Violet	818026893
I	Beige	818026894
K	Curry	818026895
L	Carminie Red	—
M	Pastel Orange	—
N	Pastel Green	818026896
Z	Water Blue	818026839
Keying Code	Color	Part No.



Material

2.5 Plastic Housings: PPO
2.6 Outer Contact: Copper Alloy
2.7 Center Pin: Copper Alloy
2.8 Insulator: PP
2.9 Type A-Type Z

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Center Pin Retention Force: ≥ 30 N
2.3 Retention Force Latch: ≥ 110 N
2.4 Temperature Range:
 $-40^{\circ}\text{C} - +105^{\circ}\text{C}$

Electrical Performance

1.1 Impedance: $50\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss:
 ≤ -20 dB, DC to 3GHz
 ≤ -14 dB, 3G to 6GHz
 ≤ -11 dB, 6GHz to 9GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 500V rms
1.9 Working Voltage: 12VDC

Mini Fakra(R-MF) 4 Pos, Cable Connector Plug

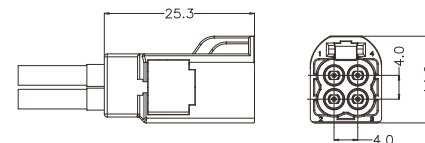
D/N: 600-22916-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818022916
B	Cream White	818022917
C	Signal Blue	818022918
D	Claret Violet	818022919
E	Leaf Green	818022920
F	Nut Brown	818022921
G	Blue Gray	—
H	Heather Violet	—
I	Beige	—
K	Curry	—
L	Carminie Red	—
M	Pastel Orange	—
N	Pastel Green	—
Z	Water Blue	818022922
Keying Code	Color	Part No.



Material

2.5 Plastic Housings: PPO
2.6 Outer Contact: Copper Alloy
2.7 Center Pin: Copper Alloy
2.8 Insulator: PP
2.9 Type A-Type Z

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Center Pin Retention Force: ≥ 30 N
2.3 Retention Force Latch: ≥ 110 N
2.4 Temperature Range:
 $-40^{\circ}\text{C} - +105^{\circ}\text{C}$

Electrical Performance

1.1 Impedance: $50\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss:
 ≤ -20 dB, DC to 3GHz
 ≤ -14 dB, 3G to 6GHz
 ≤ -11 dB, 6GHz to 9GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 500V rms
1.9 Working Voltage: 12VDC

Mini Fakra(R-MF) 4 Pos, Cable Connector Plug

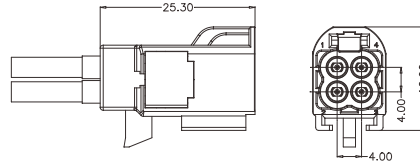
D/N: 600-22968-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818022968
B	Cream White	818022969
C	Signal Blue	818022970
D	Claret Violet	818022971
E	Leaf Green	818022972
F	Nut Brown	818022973
G	Blue Gray	—
H	Heather Violet	—
I	Beige	—
K	Curry	—
L	Carmin Red	—
M	Pastel Orange	—
N	Pastel Green	—
Z	Water Blue	818022974
Keying Code	Color	Part No.



Material

2.5 Plastic Housings: PPO
2.6 Outer Contact: Copper Alloy
2.7 Center Pin: Copper Alloy
2.8 Insulator: PP
2.9 Type A~Type Z

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Center Pin Retention Force: ≥ 30 N
2.3 Retention Force Latch: ≥ 110 N
2.4 Temperature Range: $-40^{\circ}\text{C} - +105^{\circ}\text{C}$

Electrical Performance

1.1 Impedance: $50\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss :
 $\leq -20\text{dB}$, DC to 3GHz
 $\leq -14\text{dB}$, 3G to 6GHz
 $\leq -11\text{dB}$, 6GHz to 9GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 500V rms
1.9 Working Voltage: 12VDC

Mini Fakra(R-MF) 4 Pos, Cable Connector Plug

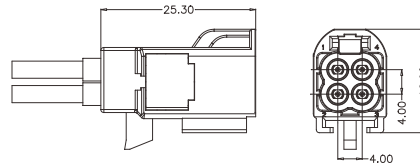
D/N: 600-30600-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818030600
B	Cream White	818030601
C	Signal Blue	818030602
D	Claret Violet	818030603
E	Leaf Green	818030604
F	Nut Brown	818030605
G	Blue Gray	—
H	Heather Violet	—
I	Beige	—
K	Curry	—
L	Carmin Red	—
M	Pastel Orange	—
N	Pastel Green	—
Z	Water Blue	818030606
Keying Code	Color	Part No.



Material

2.5 Plastic Housings: PPO
2.6 Outer Contact: Copper Alloy
2.7 Center Pin: Copper Alloy
2.8 Insulator: PP
2.9 Type A~Type Z

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Center Pin Retention Force: ≥ 30 N
2.3 Retention Force Latch: ≥ 110 N
2.4 Temperature Range: $-40^{\circ}\text{C} - +105^{\circ}\text{C}$

Electrical Performance

1.1 Impedance: $50\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss :
 $\leq -20\text{dB}$, DC to 3GHz
 $\leq -14\text{dB}$, 3G to 6GHz
 $\leq -11\text{dB}$, 6GHz to 9GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 500V rms
1.9 Working Voltage: 12VDC

Mini Fakra(R-MF) 4 Pos, Cable Connector Plug

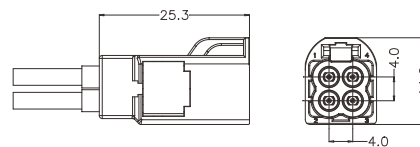
D/N:600-30607-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818030607
B	Cream White	818030608
C	Signal Blue	818030609
D	Claret Violet	818030610
E	Leaf Green	818030611
F	Nut Brown	818030613
G	Blue Gray	—
H	Heather Violet	—
I	Beige	—
K	Curry	—
L	Carmin Red	—
M	Pastel Orange	—
N	Pastel Green	—
Z	Water Blue	818030614
Keying Code	Color	Part No.



Material

2.5 Plastic Housings: PPO
2.6 Outer Contact: Copper Alloy
2.7 Center Pin: Copper Alloy
2.8 Insulator: PP
2.9 Type A~Type Z

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Center Pin Retention Force: ≥ 30 N
2.3 Retention Force Latch: ≥ 110 N
2.4 Temperature Range: $-40^{\circ}\text{C} - +105^{\circ}\text{C}$

Electrical Performance

1.1 Impedance: $50\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss :
 $\leq -20\text{dB}$, DC to 3GHz
 $\leq -14\text{dB}$, 3G to 6GHz
 $\leq -11\text{dB}$, 6GHz to 9GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 500V rms
1.9 Working Voltage: 12VDC

Mini Fakra(R-MF) 1 Pos, Cable Connector Jack

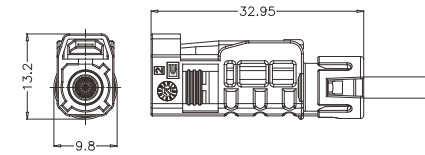
D/N: 600-19529-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818019529
B	Cream White	818022662
C	Signal Blue	818022663
D	Claret Violet	818022664
E	Leaf Green	818022665
F	Nut Brown	818022666
G	Blue Gray	818022667
H	Heather Violet	818022668
I	Beige	818022669
K	Curry	818022670
L	Carmin Red	818022671
M	Pastel Orange	818022672
N	Pastel Green	818022673
Z	Water Blue	818022674
Keying Code	Color	Part No.



Material

2.8 Plastic Housings: PPO
2.9 Outer Contact: Copper Alloy
3.0 Center Pin: Copper Alloy
3.1 Insulator: PP

Mechanical Performance

2.2 Mating Cycles: ≥ 25 Times
2.3 Mating Force: ≤ 60 N
2.4 Center Pin Retention Force: ≥ 50 N
2.5 Retention Force Latch: ≥ 110 N
2.6 Temperature Range: $-40^{\circ}\text{C} - +105^{\circ}\text{C}$
2.7 Ingress Protection: IP67

Electrical Performance

1.1 Impedance: $50\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss :
 $\geq 15\text{ dB}$, 6 GHz to 9 GHz
 $\geq 20\text{ dB}$, DC to 6 GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 750V rms
1.9 Working Voltage: 335V rms
2.0 Contact Current: $\leq 1\text{ A DC}$
2.1 RF-leakage: $\geq 65\text{ dB}$

Mini Fakra(R-MF) 1 Pos, Cable Connector Jack

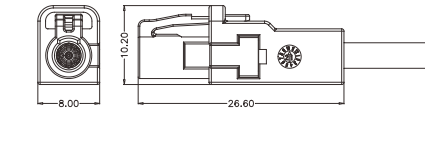
D/N: 600-26565-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818026554
B	Cream White	818026555
C	Signal Blue	818026556
D	Claret Violet	818026557
E	Leaf Green	818026558
F	Nut Brown	818026559
G	Blue Gray	818026560
H	Heather Violet	818026561
I	Beige	—
K	Curry	818026562
L	Carmin Red	818026563
M	Pastel Orange	—
N	Pastel Green	818026564
Z	Water Blue	818026565
Keying Code	Color	Part No.



Material

2.7 Plastic Housings: N300X
2.8 Outer Contact: Phosphorus Copper
2.9 Center Pin: Titanium Copper
3.0 Insulator: PP
3.1 Clip Material: Phosphorus Copper
3.2 Tube: Stainless Steel
3.3 Lock: PBT
3.4 Cable: Coaxial CableOD3.3
3.5 Type A~Type Z

Mechanical Performance

2.2 Mating Cycles: ≥ 25 Times
2.3 Mating Force: ≤ 25 N
2.4 Cable and Center Pin Retention Force: ≥ 50 N
2.5 Retention Force Latch: ≥ 110 N
2.6 Temperature Range: $-40^{\circ}\text{C} - +105^{\circ}\text{C}$

Electrical Performance

1.1 Impedance: $50+/-5\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss:
 $\leq -20\text{dB}$, 0-3 GHz
 $\leq -14\text{dB}$, 3-6 GHz
 $\leq -11\text{dB}$, 6-39GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 500V rms
1.9 Working Voltage: 12V DC
2.0 Contact Current: $\leq 0.5\text{ A DC}$
2.1 RF-leakage: $\geq 65\text{ dB}$

Mini Fakra(R-MF) 1 Pos, Cable Connector Jack

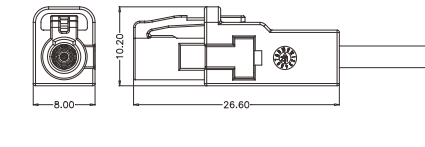
D/N: 600-29835-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818029824
B	Cream White	818029825
C	Signal Blue	818029826
D	Claret Violet	818029827
E	Leaf Green	818029828
F	Nut Brown	818029829
G	Blue Gray	818029830
H	Heather Violet	818029831
I	Beige	818029832
K	Curry	818029833
L	Carmin Red	—
M	Pastel Orange	—
N	Pastel Green	818029834
Z	Water Blue	818029835
Keying Code	Color	Part No.



Material

2.7 Plastic Housings: N300X
2.8 Outer Contact: Phosphorus Copper
2.9 Center Pin: Titanium Copper
3.0 Insulator: PP
3.1 Clip Material: Phosphorus Copper
3.2 Tube: Phosphorus Copper
3.3 Lock: PBT
3.4 Cable: Coaxial CableOD2.8
3.5 Type A~Type Z

Mechanical Performance

2.2 Mating Cycles: ≥ 25 Times
2.3 Mating Force: ≤ 25 N
2.4 Cable and Center Pin Retention Force: ≥ 50 N
2.5 Retention Force Latch: ≥ 110 N
2.6 Temperature Range: $-40^{\circ}\text{C} - +105^{\circ}\text{C}$

Electrical Performance

1.1 Impedance: $50+/-5\ \Omega$
1.2 Frequency: DC to 9 GHz
1.3 Return Loss:
 $\leq -20\text{dB}$, 0-3 GHz
 $\leq -14\text{dB}$, 3-6 GHz
 $\leq -11\text{dB}$, 6-39GHz
1.4 Insertion Loss:
 $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
1.5 Insulation Resistance:
 $\geq 100\text{M}\Omega$
1.6 Center Contact Resistance:
 $24\text{m}\Omega$ Max
1.7 Outer Contact Resistance:
 $6\text{m}\Omega$ Max
1.8 Test Voltage: 500V rms
1.9 Working Voltage: 12V DC
2.0 Contact Current: $\leq 0.5\text{ A DC}$
2.1 RF-leakage: $\geq 65\text{ dB}$

Mini Fakra(R-MF) 2 Pos, Cable Connector Jack

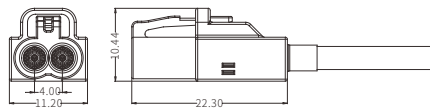
D/N: 600-26589-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818026578
B	Cream White	818026579
C	Signal Blue	818026580
D	Claret Violet	818026581
E	Leaf Green	818026582
F	Nut Brown	818026583
G	Blue Gray	818026584
H	Heather Violet	818026585
I	Beige	—
K	Curry	818026586
L	Carmin Red	818026587
M	Pastel Orange	—
N	Pastel Green	818026588
Z	Water Blue	818026589
Keying Code	Color	Part No.



Material

- 2.7 Plastic Housings: N300X
- 2.8 Outer Contact: Phosphorus Copper
- 2.9 Center Pin: Titanium Copper
- 3.0 Insulator: PP
- 3.1 Clip Material: Phosphorus Copper
- 3.2 Tube: Stainless Steel
- 3.3 Lock: PBT
- 3.4 Cable: Coaxial CableOD2.8
- 3.5 Type A~Type Z

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Times
- 2.3 Mating Force: ≤ 25 N
- 2.4 Cable and Center Pin Retention Force: ≥ 50 N
- 2.5 Retention Force Latch: ≥ 110 N
- 2.6 Temperature Range: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

Electrical Performance

- 1.1 Impedance: $50 \pm 5 \Omega$
- 1.2 Frequency: DC to 9 GHz
- 1.3 Return Loss:
 - $\leq -20\text{dB}$, 0~3 GHz
 - $\leq -14\text{dB}$, 3~6 GHz
 - $\leq -11\text{dB}$, 6~39GHz
- 1.4 Insertion Loss:
 - $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Insulation Resistance:
 - $\geq 100\text{M}\Omega$
- 1.6 Center Contact Resistance:
 - 24m Ω Max
- 1.7 Outer Contact Resistance:
 - 6m Ω Max
- 1.8 Test Voltage: 500V rms
- 1.9 Working Voltage: 12V DC
- 2.0 Contact Current: ≤ 0.5 A DC
- 2.1 RF-leakage: ≥ 65 dB

Mini Fakra(R-MF) 2 Pos, Cable Connector Jack

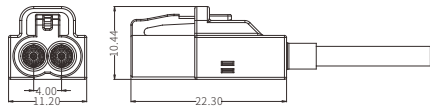
D/N: 600-29847-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818029836
B	Cream White	818029837
C	Signal Blue	818029838
D	Claret Violet	818029839
E	Leaf Green	818029840
F	Nut Brown	818029841
G	Blue Gray	818029842
H	Heather Violet	818029843
I	Beige	—
K	Curry	818029844
L	Carmin Red	818029845
M	Pastel Orange	—
N	Pastel Green	818029846
Z	Water Blue	818029847
Keying Code	Color	Part No.



Material

- 2.7 Plastic Housings: N300X
- 2.8 Outer Contact: Phosphorus Copper
- 2.9 Center Pin: Titanium Copper
- 3.0 Insulator: PP
- 3.1 Clip Material: Phosphorus Copper
- 3.2 Tube: Stainless Steel
- 3.3 Lock: PBT
- 3.4 Cable: Coaxial CableOD2.8
- 3.5 Type A~Type Z

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Times
- 2.3 Mating Force: ≤ 25 N
- 2.4 Cable and Center Pin Retention Force: ≥ 50 N
- 2.5 Retention Force Latch: ≥ 110 N
- 2.6 Temperature Range: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

Electrical Performance

- 1.1 Impedance: $50 \pm 5 \Omega$
- 1.2 Frequency: DC to 9 GHz
- 1.3 Return Loss:
 - $\leq -20\text{dB}$, 0~3 GHz
 - $\leq -14\text{dB}$, 3~6 GHz
 - $\leq -11\text{dB}$, 6~39GHz
- 1.4 Insertion Loss:
 - $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Insulation Resistance:
 - $\geq 100\text{M}\Omega$
- 1.6 Center Contact Resistance:
 - 24m Ω Max
- 1.7 Outer Contact Resistance:
 - 6m Ω Max
- 1.8 Test Voltage: 500V rms
- 1.9 Working Voltage: 12V DC
- 2.0 Contact Current: ≤ 0.5 A DC
- 2.1 RF-leakage: ≥ 65 dB

Mini Fakra(T-MF) 4 Pos, Cable Connector Jack

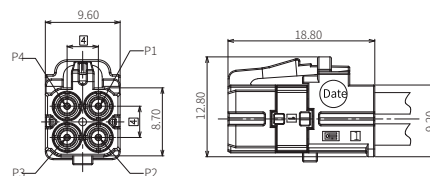
D/N:600-14040-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818030607
B	Cream White	818030608
C	Signal Blue	818030609
D	Claret Violet	818030610
E	Leaf Green	818030611
F	Nut Brown	818030613
G	Blue Gray	—
H	Heather Violet	—
I	Beige	—
K	Curry	—
L	Carmin Red	—
M	Pastel Orange	—
N	Pastel Green	—
Z	Water Blue	818030614
Keying Code	Color	Part No.



Material

- 2.5 Plastic Housings: PPO
- 2.6 Outer Contact: Copper Alloy
- 2.7 Center Pin: Copper Alloy
- 2.8 Insulator: PP
- 2.9 Type A~Type Z

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Mating Force: ≤ 75 N
- 2.2 Center Pin Retention Force: ≥ 30 N
- 2.3 Retention Force Latch: ≥ 110 N
- 2.4 Temperature Range: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

Electrical Performance

- Electrical Performance
- 1.1 Impedance: 50Ω
- 1.2 Frequency: DC to 9 GHz
- 1.3 Return Loss:
 - $\leq -20\text{dB}$, DC to 3GHz
 - $\leq -14\text{dB}$, 3G to 6GHz
 - $\leq -11\text{dB}$, 6GHz to 9GHz
- 1.4 Insertion Loss:
 - $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Insulation Resistance:
 - $\geq 100\text{M}\Omega$
- 1.6 Center Contact Resistance:
 - 24m Ω Max
- 1.7 Outer Contact Resistance:
 - 6m Ω Max
- 1.8 Test Voltage: 500V rms
- 1.9 Working Voltage: 12VDC

Mini Fakra(R-MF) 4 Pos, Cable Connector Jack

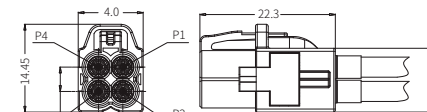
D/N: 600-16344-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818026864
B	Cream White	818026865
C	Signal Blue	818026866
D	Claret Violet	818026867
E	Leaf Green	818026868
F	Nut Brown	818026869
G	Blue Gray	818026870
H	Heather Violet	818026871
I	Beige	818026872
K	Curry	818026873
L	Carmin Red	—
M	Pastel Orange	—
N	Pastel Green	818026874
Z	Water Blue	818026838
Keying Code	Color	Part No.



Material

- 2.5 Plastic Housings: PPO
- 2.6 Outer Contact: Copper Alloy
- 2.7 Center Pin: Copper Alloy
- 2.8 Insulator: PP
- 2.9 Type A~Type Z

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Mating Force: ≤ 75 N
- 2.2 Center Pin Retention Force: ≥ 30 N
- 2.3 Retention Force Latch: ≥ 110 N
- 2.4 Temperature Range: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

Electrical Performance

- 1.1 Impedance: 50Ω
- 1.2 Frequency: DC to 9 GHz
- 1.3 Return Loss:
 - $\leq -20\text{dB}$, DC to 3GHz
 - $\leq -14\text{dB}$, 3G to 6GHz
 - $\leq -11\text{dB}$, 6GHz to 9GHz
- 1.4 Insertion Loss:
 - $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Insulation Resistance:
 - $\geq 100\text{M}\Omega$
- 1.6 Center Contact Resistance:
 - 24m Ω Max
- 1.7 Outer Contact Resistance:
 - 6m Ω Max
- 1.8 Test Voltage: 500V rms
- 1.9 Working Voltage: 12VDC

Mini Fakra(A-MF) 4 Pos, Cable Connector Jack

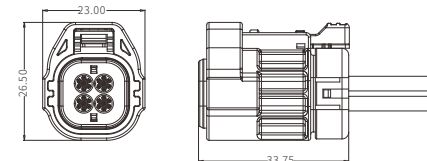
D/N: 600-18737-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818018733
B	Cream White	818018734
C	Signal Blue	818018735
D	Claret Violet	818018736
Z	Water Blue	818018737
Keying Code	Color	Part No.



Material

- 2.8 Plastic Housings: PPO
- 2.9 Outer Contact: Phosphorus Copper
- 3.0 Center Pin: Titanium Copper
- 3.1 Insulator: PP
- 3.2 Clip Material: Phosphorus Copper
- 3.3 Tube: Stainless Steel
- 3.4 O-Ring(Front): Silicone
- 3.5 O-Ring(Behind): Silicone
- 3.6 LPR: PA66+30%GF
- 3.7 Postoperculum: PA66+30%GF
- 3.8 CPA: PPO
- 3.9 Cable: Coaxial Cable, OD2.8
- 4.0 Type A~Type Z

Mechanical Performance

- 2.2 Mating Cycles: ≥ 25 Times
- 2.3 Mating Force: ≤ 75 N
- 2.4 Cable and Center Pin Retention Force: ≥ 50 N
- 2.5 Retention Force Latch ≥ 110 N
- 2.6 Temperature Range: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$
- 2.7 Ingress Protection: IP67

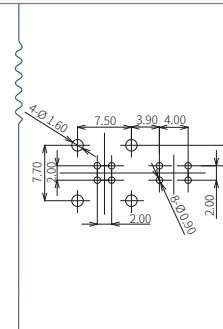
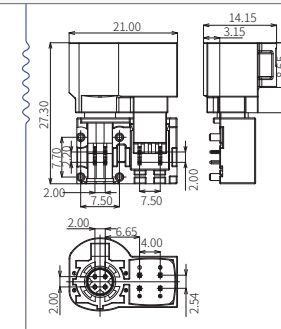
HSD Connector Series



D/N:600-11482-01

- PCB Layout

- Technology Parameters



1.1 Impedance: 100Ω
1.2 Frequency: DC to 2 GHz

- 1.3 Return Loss:
 - ≥20 dB to 1 GHz
 - ≥17 dB to 2 GHz
- 1.4 Insertion Loss: ≤ 0.1 dB to 2 GHz
- 1.5 Insulation Resistance: ≥ 1000 MΩ
- 1.6 Center Contact Resistance: ≤ 8mΩ
- 1.7 Test Voltage: 250V rms
- 1.8 Working Voltage: 100V rms
- 1.9 Contact Current: ≤ 1.5 A DC
- 2.0 RF-leakage:
 - 75dB_{up} to 1GHz(IEC 62153-4-7)
 - 65dB_{up}to 2GHz(IEC 62153-4-7)

- 2.1 Mating Cycles: ≥ 25 Cycles
- 2.2 Mating Force: ≤ 30 N
- 2.3 Disengagement Force: ≥ 5 N
- 2.4 Retention Force Latch: ≥ 110 N
- 2.5 Temperature Range: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

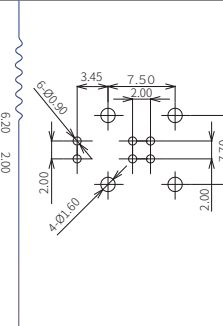
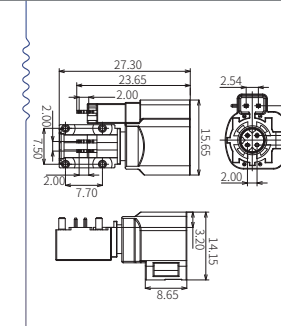
- Plastic Housings: PPA
- Outer Contact: Zinc Alloy
- Insulator: HTN+30%GF
- Center Pin: Copper Alloy
- Reflow Soldering

P/N	818011482	818011483	818011484	818011485
Type	Type A	Type B	Type C	Type Z
Image				

D/N:600-11551-01

- PCB Layout

- Technology Parameters



1.1 Impedance: 100Ω
1.2 Frequency: DC to 2 GHz

- 1.3 Return Loss:
 - ≥20 dB to 1 GHz
 - ≥17 dB to 2 GHz
- 1.4 Insertion Loss: ≤ 0.1 dB to 2 GHz
- 1.5 Insulation Resistance: ≥ 1000 MΩ
- 1.6 Center Contact Resistance: ≤ 8mΩ
- 1.7 Test Voltage: 250V rms
- 1.8 Working Voltage: 100V rms
- 1.9 Contact Current: ≤ 1.5 A DC
- 2.0 RF-leakage:
 - 75dB_u to 1GHz(IEC 62153-4-7)
 - 65dB_uto 2GHz(IEC 62153-4-7)

- 2.1 Mating Cycles: ≥ 25 Cycles
- 2.2 Mating Force: ≤ 30 N
- 2.3 Disengagement Force: ≥ 5 N
- 2.4 Retention Force Latch: ≥ 110 N
- 2.5 Temperature Range: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

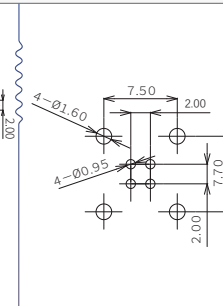
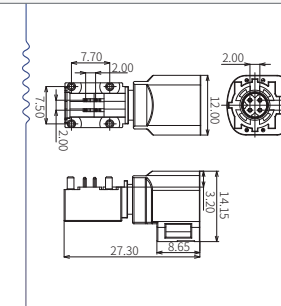
- Plastic Housings: PPA
- Outer Contact: Zinc Alloy
- Insulator: HTN+30%GF
- Center Pin: Copper Alloy
- Reflow Soldering

P/N	818011551	818011552	818011553	818011554
Type	Type A	Type B	Type C	Type Z
Image				

D/N:600-10893-01

- PCB Layout

- Technology Parameters



- 1.1 Impedance: 100Ω
- 1.2 Frequency: DC to 2 GHz

- 1.3 Return Loss:
 - ≥20 dB to 1 GHz
 - ≥17 dB to 2 GHz
- 1.4 Insertion Loss: ≤ 0.1 dB to 2 GHz
- 1.5 Insulation Resistance: ≥ 1000 MΩ
- 1.6 Center Contact Resistance: ≤ 8mΩ
- 1.7 Test Voltage: 250V rms
- 1.8 Working Voltage: 100V rms
- 1.9 Contact Current: ≤ 1.5 A DC
- 2.0 RF-leakage:
 - 75dB_u up to 1GHz(IEC 62153-4-7)
 - 65dB_u up to 2GHz(IEC 62153-4-7)

- 2.1 Mating Cycles: ≥ 25 Cycles
- 2.2 Mating Force: ≤ 30 N
- 2.3 Disengagement Force: ≥ 5 N
- 2.4 Retention Force Latch: ≥ 110 N
- 2.5 Temperature Range: $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

- Plastic Housings: PPA
- Outer Contact: Zinc Alloy
- Insulator: HTN+30%GF
- Center Pin: Copper Alloy
- Reflow Soldering

P/N	818010887	818010888	818010889	818010890	818010891	818010892	818010893
Type	Type A	Type B	Type C	Type D	Type E	Type F	Type G
Image							

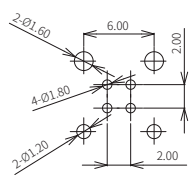
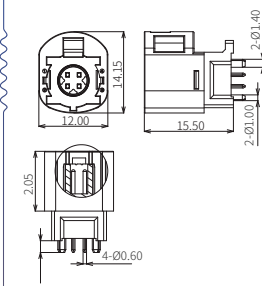
4 Pin HSD, V/T, Plug for PCB

D/N:600-13230-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency: DC to 2 GHz
- 1.3 Return Loss:
≥20 dB to 1 GHz
≥17 dB to 2 GHz
- 1.4 Insertion Loss: ≤ 0.1 dB to 2 GHz
- 1.5 Insulation Resistance: ≥ 1000 MΩ
- 1.6 Center Contact Resistance: ≤ 8mΩ
- 1.7 Test Voltage: 250V rms
- 1.8 Working Voltage: 100V rms
- 1.9 Contact Current: ≤ 1.5 A DC
- 2.0 RF-leakage:
75dB, up to 1GHz(IEC 62153-4-7)
65dB, up to 2GHz(IEC 62153-4-7)

Material

- Plastic Housings: PPA
- Outer Contact: Phosphor Bronze
- Insulator: HTN
- Center Pin: Copper Alloy

Mechanical Performance

- 2.1 Mating Cycles: ≥ 25 Cycles
- 2.2 Mating Force: ≤ 30 N
- 2.3 Disengagement Force: ≥ 5 N
- 2.4 Retention Force Latch: ≥ 110 N
- 2.5 Temperature Range: -40 °C ~ +105 °C

Part Number Table

P/N	818013230	818013231	818013232	818013233	818013234	818013235	818013236
Type	Type A	Type B	Type C	Type D	Type E	Type F	Type Z
Image							

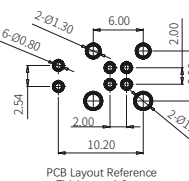
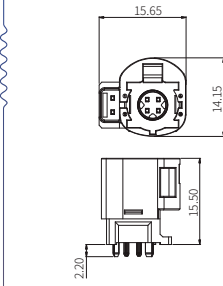
4+2 Pin HSD, V/T, Plug for PCB

D/N: 600-14719-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 2 GHz
- 1.3 Return Loss:
≥ 20dB, DC to 1GHz
≥ 17dB, DC to 2GHz
- 1.4 Insertion Loss: ≤ 0.1dB to 1GHz
- 1.5 Insulation Resistance: ≥ 1000MΩ
- 1.6 Center Contact Resistance: 8mΩ Max
- 1.7 Test Voltage: 250V rms
- 1.8 Working Voltage: 100V rms
- 1.9 Contact Current: ≤ 1.5A DC
- 2.0 RF-Leakage:
75dB, up to 1GHz (IEC 62153-4-7)
65dB, up to 2GHz (IEC 62153-4-7)

Material

- Plastic Housings: PPA
- Outer Contact: Phosphor Bronze
- Insulator: HTN
- Center Pin: Copper Alloy

Mechanical Performance

- 2.1 Mating Cycles: ≥ 25 Cycles
- 2.2 Mating Force: ≤ 30N
- 2.3 Disengagement Force: ≥ 5 N
- 2.4 Retention Force Latch: ≥ 110 N
- 2.5 Temperature Range: -40 °C ~ +105 °C

Part Number Table

P/N	818014719	818014720	818014721	818014722	818014723	818014724	818014725
Type	Type A	Type B	Type C	Type D	Type E	Type F	Type Z
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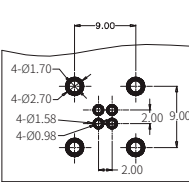
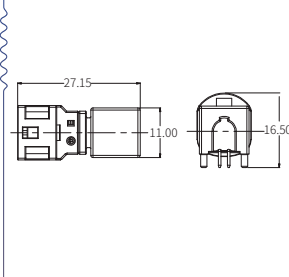
4 Pin HSD, R/A, Plug for PCB (Center Pin Height 5.0mm)

D/N: 600-13950-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 2 GHz
- 1.3 Return Loss:
≥ 20dB, DC to 1GHz
≥ 17dB, DC to 2GHz
- 1.4 Insertion Loss: ≤ 0.1dB to 1GHz
- 1.5 Insulation Resistance: ≥ 1000 MΩ
- 1.6 Center Contact Resistance: 8mΩ Max
- 1.7 Test Voltage: 250V rms
- 1.8 Working Voltage: 100V rms
- 1.9 Contact Current: ≤ 1.5A DC
- 2.0 RF-Leakage:
75dB, up to 1GHz(IEC 62153-4-7)
65dB, up to 2GHz(IEC 62153-4-7)

Material

- Plastic Housings: PPA
- Outer Contact: Phosphor Bronze
- Insulator: HTN
- Center Pin: Copper Alloy

Mechanical Performance

- 2.1 Mating Cycles: ≥ 25 Cycles
- 2.2 Mating Force: ≤ 30N
- 2.3 Disengagement Force: ≥ 5 N
- 2.4 Retention Force Latch: ≥ 110 N
- 2.5 Temperature Range: -40 °C ~ +105 °C

Part Number Table

P/N	818013950	818013951	818013952	818013953	818013954	818013955	818013956
Type	Type A	Type B	Type C	Type D	Type E	Type F	Type Z
Image							

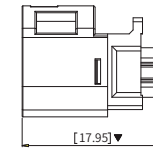
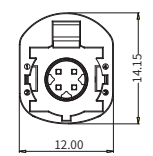
4 Pin HSD, V/T Type, PCB (5*5)

D/N: 600-18394-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency: DC to 2 GHz
- 1.3 Return Loss:
≥20 dB to 1 GHz
≥17 dB to 2 GHz
- 1.4 Insertion Loss: ≤ 0.1 dB to 2 GHz
- 1.5 Insulation Resistance: ≥ 1000 MΩ
- 1.6 Center Contact Resistance: ≤ 8mΩ
- 1.7 Test Voltage: 250V rms
- 1.8 Working Voltage: 100V rms
- 1.9 Contact Current: ≤ 1.5 A DC
- 2.0 RF-leakage:
75dB, up to 1GHz(IEC 62153-4-7)
65dB, up to 2GHz(IEC 62153-4-7)

Material

- Plastic Housings: PPA
- Outer Contact: Phosphor Bronze
- Insulator: HTN
- Center Pin: Copper Alloy

Mechanical Performance

- 2.1 Mating Cycles: ≥ 25 Cycles
- 2.2 Mating Force: ≤ 30 N
- 2.3 Disengagement Force: ≥ 5 N
- 2.4 Retention Force Latch: ≥ 110 N
- 2.5 Temperature Range: -40 °C ~ +105 °C

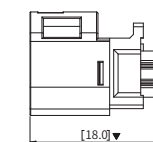
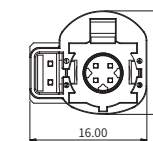
4+2 Pin HSD, V/T Type, PCB (5*5)

D/N: 600-18401-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency: DC to 2 GHz
- 1.3 Return Loss:
≥ 20 dB to 1 GHz
≥ 17 dB to 2 GHz
- 1.4 Insertion Loss: ≤ 0.1 dB to 2 GHz
- 1.5 Insulation Resistance: ≥ 1000 MΩ
- 1.6 Center Contact Resistance: ≤ 8mΩ
- 1.7 Test Voltage: 250V rms
- 1.8 Working Voltage: 100V rms
- 1.9 Contact Current: ≤ 1.5 A DC
- 2.0 RF-leakage:
75dB, up to 1GHz(IEC 62153-4-7)
65dB, up to 2GHz(IEC 62153-4-7)

Material

- Plastic Housings: PPA
- Outer Contact: Phosphor Bronze
- Insulator: HTN
- Center Pin: Copper Alloy

Mechanical Performance

- 2.1 Mating Cycles: ≥ 25 Cycles
- 2.2 Mating Force: ≤ 30 N
- 2.3 Disengagement Force: ≥ 5 N
- 2.4 Retention Force Latch: ≥ 110 N
- 2.5 Temperature Range: -40 °C ~ +105 °C

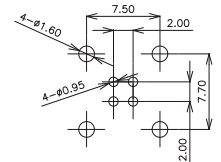
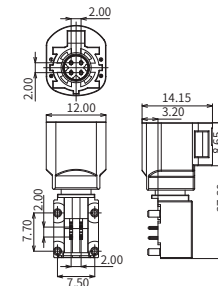
4 Pin HSD, R/A, Plug for PCB

D/N:600-13112-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency: DC to 2 GHz
- 1.3 Return Loss:
≥20 dB to 1 GHz
≥17 dB to 2 GHz
- 1.4 Insertion Loss: ≤ 0.1 dB to 2 GHz
- 1.5 Insulation Resistance: ≥ 1000 MΩ
- 1.6 Center Contact Resistance: ≤ 8mΩ
- 1.7 Test Voltage: 250V rms
- 1.8 Working Voltage: 100V rms
- 1.9 Contact Current: ≤ 1.5 A DC
- 2.0 RF-leakage:
75dB, up to 1GHz(IEC 62153-4-7)
65dB, up to 2GHz(IEC 62153-4-7)

Material

- Plastic Housings: PPA
- Outer Contact: Zinc Alloy
- Insulator: HTN+30%GF
- Center Pin: Copper Alloy
- Reflow Soldering

Mechanical Performance

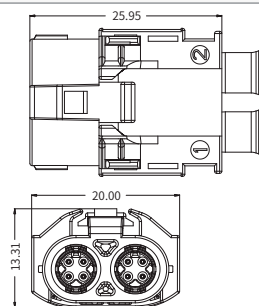
- 2.1 Mating Cycles: ≥ 25 Cycles
- 2.2 Mating Force: ≤ 30 N
- 2.3 Disengagement Force: ≥ 5 N
- 2.4 Retention Force Latch: ≥ 110 N
- 2.5 Temperature Range: -40 °C ~ +105 °C

HSD Cable 4 Pin, Double Jack Connector

D/N: 600-14390-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 2 GHz
- 1.3 Center Contact Resistance: 10mΩ Max
- 1.4 Test Voltage: 250V rms
- 1.5 Working Voltage: 100V rms
- 1.6 Contant Current: ≤ 3A DC

Mechanical Performance

- 1.7 Mating Cycles: ≥ 25 Cycles
- 1.8 Rentention Force Latch: ≥ 110 N
- 1.9 Temperature Range: -40 °C ~ +105 °C

Material

- 2.0 Plastic Housings: PBT
- 2.1 Outer Contact: Brass
- 2.2 Insulator: PBT
- 2.3 Center Pin: Phosphorus Copper

Part Number Table

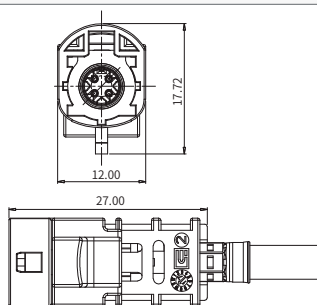
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Type	Type A	Type B	Type C	Type D	Type E	Type F	Type Z
Image							

HSD Cable 4 Pin, Plug Connector

D/N: 600-11429-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 2 GHz
- 1.3 Center Contact Resistance: 10mΩ Max
- 1.4 Test Voltage: 250V rms
- 1.5 Working Voltage: 100V rms
- 1.6 Contant Current: ≤ 1.5A DC

Mechanical Performance

- 1.7 Mating Cycles: ≥ 25 Cycles
- 1.8 Rentention Force Latch: ≥ 110 N
- 1.9 Temperature Range: -40 °C ~ +105 °C

Material

- 2.0 Plastic Housings: PBT
- 2.1 Outer Contact: Brass
- 2.2 Insulator: PBT
- 2.3 Center Pin: Phosphorus Copper

Part Number Table

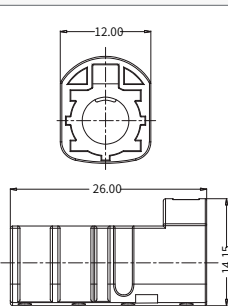
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Type	Type Z	Type A	Type B	Type C	Type D	Type E	Type F
Image							

HSD Cable 4 Pin, Plug Connector (Without Clip)

D/N: 600-13148-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 2 GHz
- 1.3 Center Contact Resistance: 10mΩ Max
- 1.4 Test Voltage: 250V rms
- 1.5 Working Voltage: 100V rms
- 1.6 Contant Current: ≤ 1.5A DC

Mechanical Performance

- 1.7 Mating Cycles: ≥ 25 Cycles
- 1.8 Rentention Force Latch: ≥ 110 N
- 1.9 Temperature Range: -40 °C ~ +105 °C

Material

- 2.0 Plastic Housings: PBT
- 2.1 Outer Contact: Brass
- 2.2 Insulator: PBT
- 2.3 Center Pin: Phosphorus Copper

Part Number Table

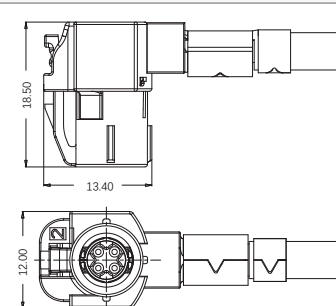
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Type	Type A	Type B	Type C	Type D	Type E	Type F	Type Z
Image							

HSD Cable 4 Pin, R/A, Jack Connector

D/N: 600-13556-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 1 GHz
- 1.3 Center Contact Resistance: 10mΩ Max
- 1.4 Test Voltage: 250V rms
- 1.5 Working Voltage: 100V rms
- 1.6 Contant Current: ≤ 3A DC

Mechanical Performance

- 1.7 Mating Cycles: ≥ 25 Cycles
- 1.8 Rentention Force Latch: ≥ 110 N
- 1.9 Temperature Range: -40 °C ~ +105 °C

Material

- 2.0 Plastic Housings: PBT
- 2.1 Outer Contact: Brass
- 2.2 Insulator: PBT
- 2.3 Center Pin: Phosphorus Copper

Part Number Table

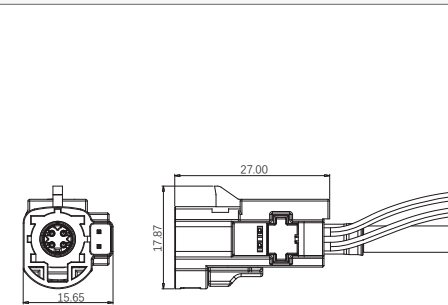
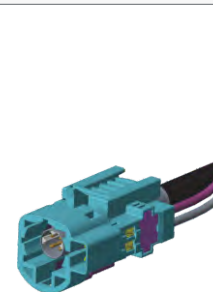
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Type	Type A	Type B	Type C	Type D	Type E	Type F	Type Z
Image							

HSD Cable, 4+2 Pin, Jack Connector (With Clip) for Coding Z

D/N:600-15839-01

● Outline Dimensions

● Technology Parameters



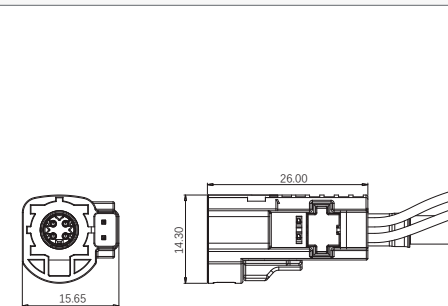
- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 2 GHz
- 1.3 Center Contact Resistance: ≤10 mΩ
- 1.4 Rated Voltage: 100Vrms
- 1.5 Rated Current: ≤ 3 A DC
- 1.6 Durability: ≥25Times (Cycles)
- 1.7 Rentention Force Latch: ≥110N
- 1.8 Temperature Range: -40 °C ~ +105 °C
- 1.9 Environment Requirements: Meet RoHS

HSD Cable, 4+2 Pin, Jack Connector (Without Clip) for Coding Z

D/N:600-15832-01

● Outline Dimensions

● Technology Parameters



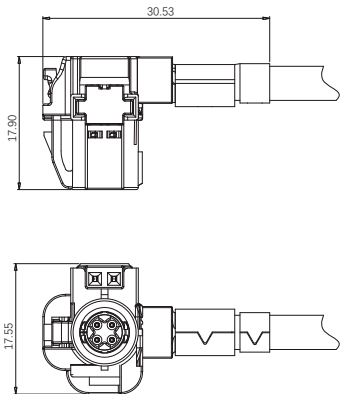
- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 2 GHz
- 1.3 Center Contact Resistance: ≤10 mΩ
- 1.4 Rated Voltage: 100Vrms
- 1.5 Rated Current: ≤ 3 A DC
- 1.6 Durability: ≥25Times (Cycles)
- 1.7 Rentention Force Latch: ≥110N
- 1.8 Temperature Range: -40 °C ~ +105 °C
- 1.9 Environment Requirements: Meet RoHS

HSD Cable, 4+2 Pin, R/A, Jack Connector

D/N:600-15163-01

● Outline Dimensions

● Technology Parameters



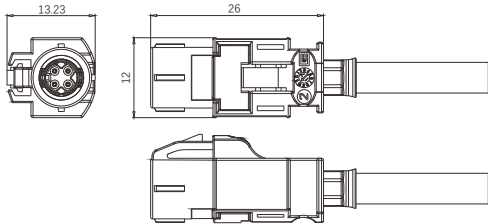
- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 1 GHz
- 1.3 Center Contact Resistance: ≤10 mΩ
- 1.4 Rated Voltage: 100V rms
- 1.5 Rated Current: ≤ 3 A DC
- 1.6 Durability: ≥25Times (Cycles)
- 1.7 Rentention Force Latch: ≥110N
- 1.8 Temperature Range: -40 °C ~ +105 °C
- 1.9 Environment Requirements: Meet RoHS

HSD Cable, 4 Pin, Jack Connector

D/N:600-11422-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818011416
B	Cream White	818011417
C	Signal Blue	818011418
D	Claret Violet	818011419
E	Leaf Green	818011420
F	Nut Brown	818011421
G	Blue Gray	818013920
H	Heather Violet	818013921
I	Beige	818013922
K	Curry	818013923
L	Carmines Red	818013924
M	Pastel Orange	818013925
N	Pastel Green	818013926
Z	Water Blue	818011422
Keying Code	Color	Part No.

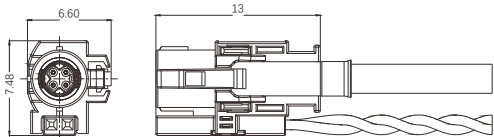
- Electrical Performance
- 1.1 Impedance: 100Ω
 - 1.2 Frequency Range: DC to 2 GHz
 - 1.3 Center Contact Resistance: 10mΩ Max
 - 1.4 Test Voltage: 250V rms
 - 1.5 Working Voltage: 100V rms
 - 1.6 Contant Current: ≤ 1.5A DC
- Mechanical Performance
- 1.7 Mating Cycles: ≥ 25 Cycles
 - 1.8 Rentention Force Latch: ≥ 110 N
 - 1.9 Temperature Range: -40 °C ~ +105 °C
- Material
- 2.0 Plastic Housings: PBT
 - 2.1 Outer Contact: Brass
 - 2.2 Insulator: PBT
 - 2.3 Center Pin: Phosphorus Copper

HSD Cable, 4+2 Pin, Jack Connector

D/N:600-13067-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818013053
B	Cream White	818013054
C	Signal Blue	818013055
D	Claret Violet	818013056
E	Leaf Green	818013057
F	Nut Brown	818013058
G	Blue Gray	---
H	Heather Violet	---
I	Beige	---
K	Curry	---
L	Carmines Red	---
M	Pastel Orange	---
N	Pastel Green	---
Z	Water Blue	818013067
Keying Code	Color	Part No.

- Electrical Performance
- 1.1 Impedance: 100Ω
 - 1.2 Frequency Range: DC to 2 GHz
 - 1.3 Center Contact Resistance: 10mΩ Max
 - 1.4 Test Voltage: 250V rms
 - 1.5 Working Voltage: 100V rms
 - 1.6 Contant Current: ≤ 1.5A DC
- Mechanical Performance
- 1.7 Mating Cycles: ≥ 25 Cycles
 - 1.8 Rentention Force Latch: ≥ 110 N
 - 1.9 Temperature Range: -40 °C ~ +105 °C
- Material
- 2.0 Plastic Housings: PBT
 - 2.1 Outer Contact: Brass
 - 2.2 Insulator: PBT
 - 2.3 Center Pin: Phosphorus Copper



04

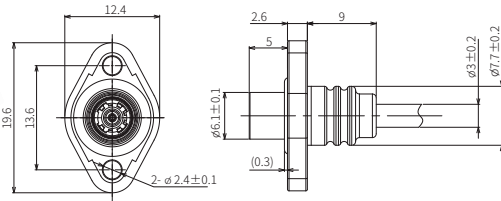
HD Camera
Connector Series

SMB for Cable Connector

D/N: 600-16959-01

● Outline Dimensions

● Technology Parameters



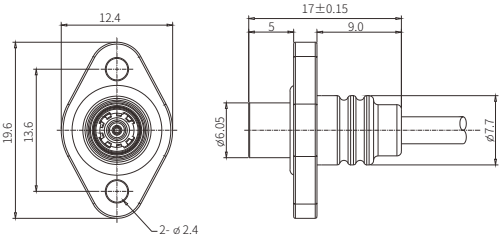
- 1.1 Impedance: 50 Ω
- 1.2 Frequency Range: DC to 4 GHz
- 1.3 VSWR:
 - ≥ 1.4 Max (DC-2GHz)
 - ≥ 1.5 Max (2-3GHz)
- 1.4 Insertion Loss:
 - $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Voltage Rating: 60V Max
- 1.6 Withstanding Voltage: 500VRMS
- 1.7 Insulation Resistance: 1000M Ω Min
- 1.8 Center Pin Retention Force: 10N Min
- 1.9 Durability: 25Times (Cycles)
- 2.0 Operating Temperature: -40°C ~ +105°C
- 2.1 Environment Requirements: Meet RoHS
- 2.2 Ingress Protection: IP68&IP69K

SMB for Cable Connector, L=3.0mm, V/T, Waterproof

D/N: 600-11629-01

● Outline Dimensions

● Technology Parameters



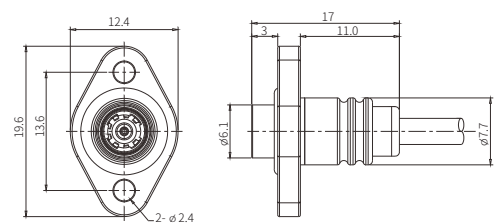
- 1.1 Impedance: 50 Ω
- 1.2 Frequency Range: DC to 3GHz
- 1.3 VSWR:
 - ≥ 1.4 Max (DC-2GHz)
 - ≥ 1.5 Max (2-3GHz)
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Voltage Rating: 60V Max
- 1.6 Withstanding Voltage: 500VRMS
- 1.7 Insulation Resistance: 1000M Ω Min
- 1.8 Center Pin Retention Force: 10N Min
- 1.9 Mating Cycles: ≥ 25 Times
- 2.0 Operating Temperature: -40°C ~ +105°C
- 2.1 Environment Requirements: Meet RoHS
- 2.2 Ingress Protection: IP68&IP69K

SMB for Cable Connector, L=5.0mm,V/T Waterproof

D/N: 600-12385-01

● Outline Dimensions

● Technology Parameters



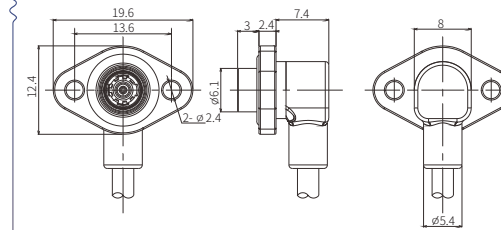
- 1.1 Impedance: 50 Ω
- 1.2 Frequency Range: DC to 3GHz
- 1.3 VSWR:
 - ≥ 1.4 Max (DC-2GHz)
 - ≥ 1.5 Max (2-3GHz)
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Voltage Rating: 60V Max
- 1.6 Withstanding Voltage: 500VRMS
- 1.7 Insulation Resistance: 1000M Ω Min
- 1.8 Center Pin Retention Force: 10N Min
- 1.9 Mating Cycles: ≥ 25 Times
- 2.0 Operating Temperature: -40°C ~ +105°C
- 2.1 Environment Requirements: Meet RoHS
- 2.2 Ingress Protection: IP68&IP69K

SMB for Cable Connector, L=3.0mm, R/A Waterproof

D/N: 600-11863-01

● Outline Dimensions

● Technology Parameters



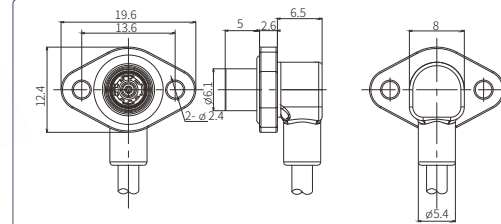
- 1.1 Impedance: 50 Ω
- 1.2 Frequency Range: DC to 3GHz
- 1.3 VSWR:
 - ≥ 1.4 Max (DC-2GHz)
 - ≥ 1.5 Max (2-3GHz)
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Voltage Rating: 60V Max
- 1.6 Withstanding Voltage: 500VRMS
- 1.7 Insulation Resistance: 1000M Ω Min
- 1.8 Center Pin Retention Force: 10N Min
- 1.9 Mating Cycles: ≥ 25 Times
- 2.0 Operating Temperature: -40°C ~ +105°C
- 2.1 Environment Requirements: Meet RoHS
- 2.2 Ingress Protection: IP68&IP69K

SMB for Cable Connector, L=5.0mm, R/A Waterproof

D/N: 600-11660-01

● Outline Dimensions

● Technology Parameters



- 1.1 Impedance: 50 Ω
- 1.2 Frequency Range: DC to 3GHz
- 1.3 VSWR:
 - ≥ 1.4 Max (DC-2GHz)
 - ≥ 1.5 Max (2-3GHz)
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Voltage Rating: 60V Max
- 1.6 Withstanding Voltage: 500VRMS
- 1.7 Insulation Resistance: 1000M Ω Min
- 1.8 Center Pin Retention Force: 10N Min
- 1.9 Mating Cycles: ≥ 25 Times
- 2.0 Operating Temperature: -40°C ~ +105°C
- 2.1 Environment Requirements: Meet RoHS
- 2.2 Ingress Protection: IP68&IP69K

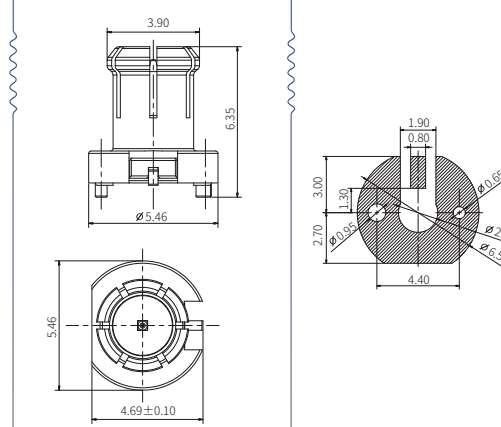
SMB Male for PCB Mounting

D/N: 600-14676-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



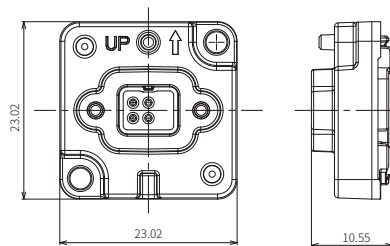
- Electrical Performance**
- 1.1 Impedance: 50 Ω
 - 1.2 Frequency Range: DC to 4 GHz
 - 1.3 Insertion Loss: ≤ 0.4 dB
 - 1.4 Insulation Resistance: ≥ 1000 M Ω
 - 1.5 Center Contact Resistance: 10 m Ω Max
 - 1.6 Outer Contact Resistance: 5 m Ω Max
 - 1.7 Test Voltage: 500V rms
 - 1.8 Working Voltage: 240V rms
- Mechanical Performance**
- 1.9 Mating Cycles: ≥ 500 Cycles
 - 2.0 Center Pin力: ≥ 10 N
 - 2.1 Temperature Range: -40°C ~ +105°C
- Material**
- 2.2 Plastic Housings: PBT
 - 2.3 Outer Contact: Copper Alloy
 - 2.4 Insulator: NTN
 - 2.5 Center Pin: Brass

Camera Rear Cover

D/N: 600-15025-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Insulation Resistance: $\geq 1000\text{M}\Omega$, DC 500V
- 1.2 Center Resistance: Center Contact Resistance: $\leq 10\text{m}\Omega$
Outer Contact Resistance: $\leq 7.5\text{m}\Omega$
- 1.3 Test Voltage: AC 500V
- 1.4 Center Pin Force: $\geq 5\text{N}$
- 1.5 Insulator Force: $\geq 10\text{N}$
- 1.6 Retention Force Latch: $\geq 110\text{N}$
- 1.7 Temperature Range: $-40^\circ\text{C} \sim +105^\circ\text{C}$

Material

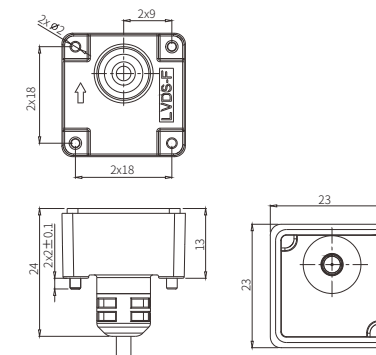
- 1.8 Outer Contact: Zinc Alloy
- 1.9 Insulator: PA66
- 2.0 Center Pin: Brass

HD Camera Platform Rear Cover (RG174/RG316)

D/N: 600-24487-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency Range: DC to 3 GHz
- 1.3 Insertion Loss: $\leq 3\text{dB}$
- 1.4 Insulation Resistance: $\geq 500\text{M}\Omega$
- 1.5 Center Contact Resistance: 10 m Ω Max
- 1.6 Outer Contact Resistance: 5 m Ω Max
- 1.7 Test Voltage: 500V rms
- 1.8 Working Voltage: 240V rms

Mechanical Performance

- 1.9 Mating Cycles: ≥ 25 Cycles
- 2.0 Center Pin Force: $\geq 10\text{N}$
- 2.1 Temperature Range: $-40^\circ\text{C} \sim +105^\circ\text{C}$

Material

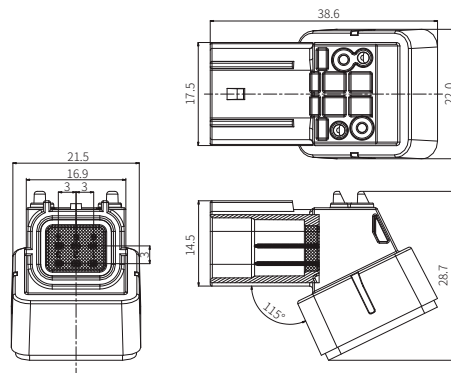
- 2.2 Plastic Housings: PBT
- 2.3 Outer Contact: Brass
- 2.4 Insulator: PBT
- 2.5 Center Pin: Brass

The Back of the Camera

D/N: 600-15946-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Power Current: $\leq 3\text{A}$ DC
- 1.2 Insulation Resistance: $\geq 500\text{M}\Omega$
- 1.3 Dielectric Withstanding: 500V rms min

Mechanical Performance

- 1.4 Mating Cycles: ≥ 200
- 1.5 Mating Force: $\leq 60\text{N}$
- 1.6 Unmating Force: $5\text{N} < F \leq 60\text{N}$
- 1.7 Retention Force Latch: $\geq 110\text{N}$

Environmental Performance

- 1.8 Salt Spray: 144h
- 1.9 Temperature Range: $-40^\circ\text{C} \sim +105^\circ\text{C}$
- 2.0 Ingress Protection(Mating): IP67

Material

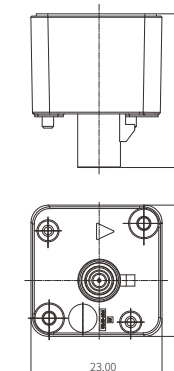
- 2.1 Housing: PBT-GF
- 2.2 Center Contact: Copper Alloy

Fakra Plug to SMB Jack

D/N: 600-14677-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 50 Ω
- 1.2 Frequency Range: DC to 3 GHz
- 1.3 Insertion Loss: $\leq 3\text{dB}$
- 1.4 Insulation Resistance: $\geq 500\text{M}\Omega$
- 1.5 Center Contact Resistance: 10 m Ω Max
- 1.6 Outer Contact Resistance: 5 m Ω Max
- 1.7 Test Voltage: 500V rms
- 1.8 Working Voltage: 240V rms

Mechanical Performance

- 1.9 Mating Cycles: ≥ 25 Cycles
- 2.0 Center Pin Force: $\geq 10\text{N}$
- 2.1 Temperature Range: $-40^\circ\text{C} \sim +105^\circ\text{C}$

Material

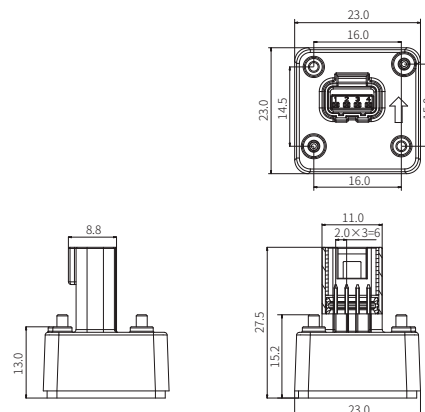
- 2.2 Plastic Housings: PBT
- 2.3 Outer Contact: Brass
- 2.4 Insulator: PBT
- 2.5 Center Pin: Brass

Back Shell Assembly

D/N: 600-16438-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Power Current: $\leq 3\text{A}$ DC
- 1.2 Insulation Resistance: $\geq 500\text{M}\Omega$
- 1.3 Dielectric Withstanding: 500V rms min

Mechanical Performance

- 1.4 Mating Cycles: ≥ 200
- 1.5 Mating Force: $\leq 60\text{N}$
- 1.6 Unmating Force: $5\text{N} < F \leq 60\text{N}$
- 1.7 Retention Force Latch: $\geq 110\text{N}$

Environmental Performance

- 1.8 Salt Spray: 144h
- 1.9 Temperature Range: $-40^\circ\text{C} \sim +105^\circ\text{C}$
- 2.0 Ingress Protection(Mating): IP67

Material

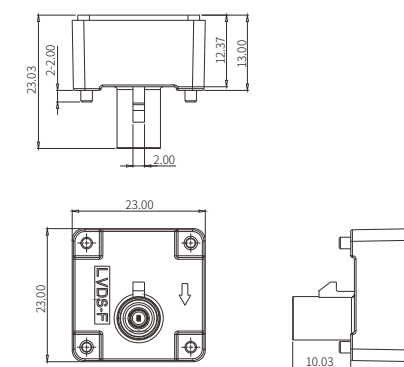
- 2.1 Housing: PBT-GF
- 2.2 Center Contact: Copper Alloy
- 2.3 Retainer: PBT
- 2.4 O-Ring: Silicon Rubber

HD Camera Connector, 23mm SQ. DC to 6 Ghz, Mating Height 16.28mm

D/N: 600-24073-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 50 Ω +/-5 Ω
- 1.2 Frequency Range: DC to 6 GHz
- 1.3 Insertion Loss: $\geq 0.1 \sqrt{f(\text{GHz})}\text{dB}$
- 1.4 Insulation Resistance: $\geq 100\text{M}\Omega$
- 1.5 Center Contact Resistance: $\leq 10\text{m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 5\text{m}\Omega$
- 1.7 Test Voltage: 500 V rms
- 1.8 Voltage Rating: $\leq 60\text{V}$ DC
- 1.9 Current Rating: $\leq 1\text{A}$ DC

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Center Pin Retention Force: $\geq 10\text{N}$
- 2.2 Temperature Range: $-40^\circ\text{C} \sim +105^\circ\text{C}$

Material

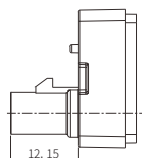
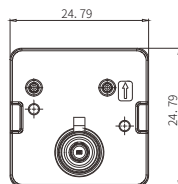
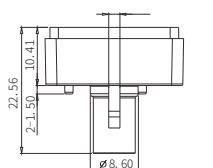
- 2.3 Insulator: LCP
- 2.4 Plastic Housings: PBT
- 2.5 Center Pin: Copper Alloy
- 2.6 Outer Contact: Copper Alloy

HD Camera Connector, 24.79mm SQ. DC to 6 Ghz, Mating Height 16.47mm

D/N: 600-24216-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 6 GHz
- 1.3 Insertion Loss: $\geq 0.1 \sqrt{f(\text{GHz})}$ dB
- 1.4 Insulation Resistance: $\geq 100 \text{ m}\Omega$
- 1.5 Center Contact Resistance: $\leq 10 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.7 Test Voltage: 500 V rms
- 1.8 Voltage Rating: $\leq 60 \text{ V DC}$
- 1.9 Current Rating: $\leq 1 \text{ A D}$

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Center Pin Retention Force: $\geq 10 \text{ N}$
- 2.2 Temperature Range: $-40^\circ\text{C} - +105^\circ\text{C}$

Material

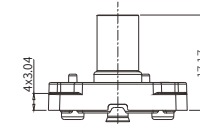
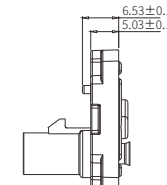
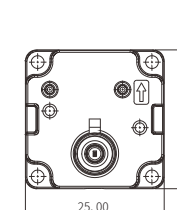
- 2.3 Insulator: LCP
- 2.4 Plastic Housings: PBT
- 2.5 Center Pin: Copper Alloy
- 2.6 Outer Contact: Copper Alloy

HD Camera Connector, 25mm SQ. DC to 6 Ghz, Mating Height 20.50mm

D/N: 600-29634-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 6 GHz
- 1.3 Insertion Loss: $\geq 0.1 \sqrt{f(\text{GHz})}$ dB
- 1.4 Insulation Resistance: $\geq 100 \text{ m}\Omega$
- 1.5 Center Contact Resistance: $\leq 10 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.7 Test Voltage: 500 V rms
- 1.8 Voltage Rating: $\leq 60 \text{ V DC}$
- 1.9 Current Rating: $\leq 1 \text{ A D}$

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Center Pin Retention Force: $\geq 10 \text{ N}$
- 2.2 Temperature Range: $-40^\circ\text{C} - +105^\circ\text{C}$

Material

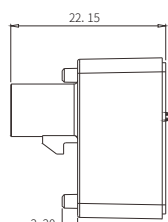
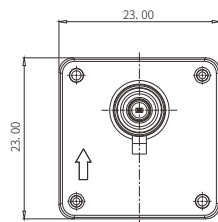
- 2.3 Insulator: LCP
- 2.4 Plastic Housings: PBT
- 2.5 Center Pin: Copper Alloy
- 2.6 Outer Contact: Copper Alloy

HD Camera Connector, 23mm SQ. DC to 6 Ghz, Mating Height 16.47mm

D/N: 600-26071-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 6 GHz
- 1.3 Insertion Loss: $\geq 0.1 \sqrt{f(\text{GHz})}$ dB
- 1.4 Insulation Resistance: $\geq 100 \text{ m}\Omega$
- 1.5 Center Contact Resistance: $\leq 10 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.7 Test Voltage: 500 V rms
- 1.8 Voltage Rating: $\leq 60 \text{ V DC}$
- 1.9 Current Rating: $\leq 1 \text{ A D}$

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Center Pin Retention Force: $\geq 10 \text{ N}$
- 2.2 Temperature Range: $-40^\circ\text{C} - +105^\circ\text{C}$

Material

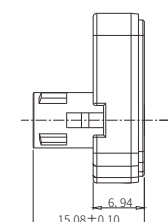
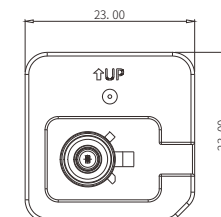
- 2.3 Insulator: LCP
- 2.4 Plastic Housings: PBT
- 2.5 Center Pin: Copper Alloy
- 2.6 Outer Contact: Copper Alloy
- 2.7 Cover: Stainless Steel

HD Camera Connector, 23mm SQ. DC to 6 Ghz, Mating Height 16.28mm

D/N: 600-27412-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 6 GHz
- 1.3 Insertion Loss: $\geq 0.1 \sqrt{f(\text{GHz})}$ dB
- 1.4 Insulation Resistance: $\geq 100 \text{ m}\Omega$
- 1.5 Center Contact Resistance: $\leq 10 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.7 Test Voltage: 500 V rms
- 1.8 Voltage Rating: $\leq 60 \text{ V DC}$
- 1.9 Current Rating: $\leq 1 \text{ A D}$

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Center Pin Retention Force: $\geq 10 \text{ N}$
- 2.2 Temperature Range: $-40^\circ\text{C} - +105^\circ\text{C}$

Material

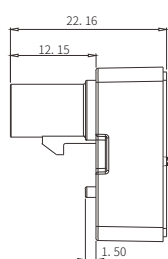
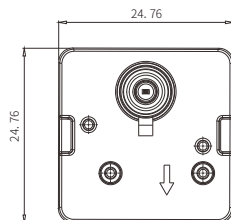
- 2.3 Insulator: LCP
- 2.4 Body: Aluminum Alloy
- 2.5 Center Pin: Copper Alloy
- 2.6 Outer Contact: Copper Alloy

HD Camera Connector, 24.76mm SQ. DC to 6 Ghz, Mating Height 16.47mm

D/N: 600-26072-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 6 GHz
- 1.3 Insertion Loss: $\geq 0.1 \sqrt{f(\text{GHz})}$ dB
- 1.4 Insulation Resistance: $\geq 100 \text{ m}\Omega$
- 1.5 Center Contact Resistance: $\leq 10 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.7 Test Voltage: 500 V rms
- 1.8 Voltage Rating: $\leq 60 \text{ V DC}$
- 1.9 Current Rating: $\leq 1 \text{ A D}$

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Center Pin Retention Force: $\geq 10 \text{ N}$
- 2.2 Temperature Range: $-40^\circ\text{C} - +105^\circ\text{C}$

Material

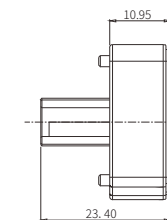
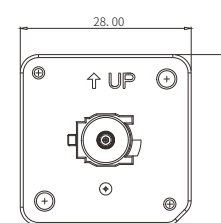
- 2.3 Insulator: LCP
- 2.4 Plastic Housings: PBT
- 2.5 Center Pin: Copper Alloy
- 2.6 Outer Contact: Copper Alloy
- 2.7 Cover: Stainless Steel

HD Camera Connector, 28mm SQ. DC to 6 Ghz, Mating Height 20.8mm

D/N: 600-27413-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency Range: DC to 6 GHz
- 1.3 Insertion Loss: $\geq 0.1 \sqrt{f(\text{GHz})}$ dB
- 1.4 Insulation Resistance: $\geq 100 \text{ m}\Omega$
- 1.5 Center Contact Resistance: $\leq 10 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.7 Test Voltage: 500 V rms
- 1.8 Voltage Rating: $\leq 60 \text{ V DC}$
- 1.9 Current Rating: $\leq 1 \text{ A D}$

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Center Pin Retention Force: $\geq 10 \text{ N}$
- 2.2 Temperature Range: $-40^\circ\text{C} - +105^\circ\text{C}$

Material

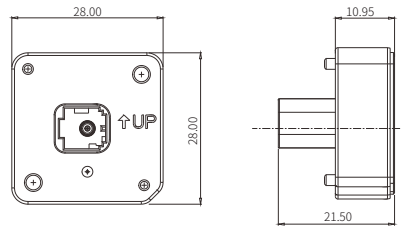
- 2.3 Insulator: LCP
- 2.4 Body: Aluminum Alloy
- 2.5 Center Pin: Copper Alloy
- 2.6 Outer Contact: Copper Alloy

HD Camera Connector, 28mm SQ. DC to 6 Ghz, Mating Height 18.9mm

D/N: 600-27415-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency Range: DC to 6 GHz
- 1.3 Insertion Loss: $\geq 0.1 \sqrt{f(\text{GHz})}\text{dB}$
- 1.4 Insulation Resistance: $\geq 100 \text{ m}\Omega$
- 1.5 Center Contact Resistance: $\leq 10 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.7 Test Voltage: 500 V rms
- 1.8 Voltage Rating: $\leq 60 \text{ V DC}$
- 1.9 Current Rating: $\leq 1 \text{ A D}$

Mechanical Performance

- 2.0 Mating Cycles: $\geq 25\text{Times}$
- 2.1 Center Pin Retention Force: $\geq 10\text{N}$
- 2.2 Temperature Range: $-40^\circ\text{C} \sim +105^\circ\text{C}$

Material

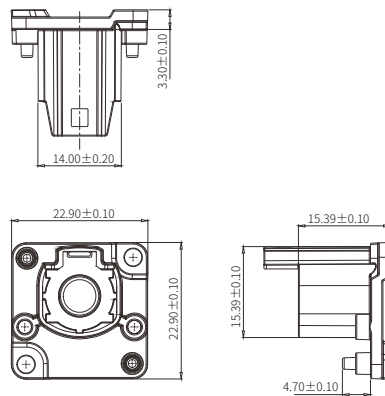
- 2.3 Insulator: LCP
- 2.4 Body: Aluminum Alloy
- 2.5 Center Pin: Copper Alloy
- 2.6 Outer Contact: Copper Alloy

Camera Cap 22.90mm*22.90mm

D/N: 600-28379-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Insulation Resistance: $\geq 1000 \text{ m}\Omega$
- 1.2 Center Contact Resistance: $\leq 10 \text{ m}\Omega$
- 1.3 Outer Contact Resistance: $\leq 7.5 \text{ m}\Omega$
- 1.4 Test Voltage: 500 V rms
- 1.5 Voltage Rating: $\leq 60 \text{ V DC}$
- 1.6 Current Rating: $\leq 1 \text{ A DC}$

Mechanical Performance

- 1.7 Mating Cycles: $\geq 25\text{Times}$
- 1.8 Center Pin Retention Force: $\geq 5\text{N}$
- 1.9 Temperature Range: $-40^\circ\text{C} \sim +105^\circ\text{C}$

Material

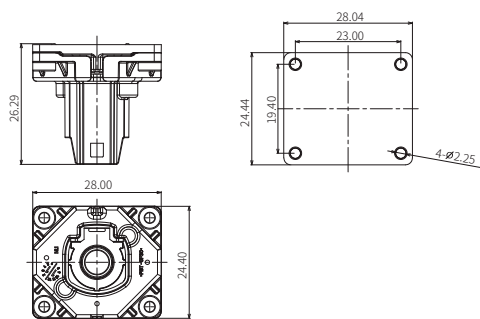
- 2.0 Body: Aluminum Alloy

Camera Rear Cover Assembly

D/N: 600-13818-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Insulation Resistance: $\geq 1000\text{M}\Omega$, DC 500V
- 1.2 Center Contact Resistance: $\leq 10\text{m}\Omega$
- 1.3 Test Voltage: AC 500V
- 1.4 Center Pin Force: $\geq 5\text{N}$
- 1.5 Insulator Force: $\geq 10\text{N}$
- 1.6 Retention Force Latch: $\geq 110\text{N}$
- 1.7 Temperature Range: $-40^\circ\text{C} \sim +105^\circ\text{C}$

Material

- 1.8 Plastic Housings: PBT
- 1.9 Outer Contact: Zinc Alloy
- 2.0 Insulator: LCP
- 2.1 Center Pin: Brass

05

Lidar
Connector Series

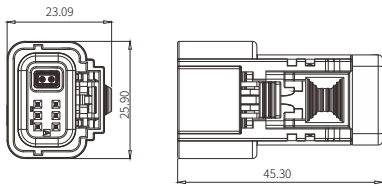


Lidar Cable Connector Jack (2 Signal+6 Power) Sealed

D/N: 600-18317-01

● Outline Dimensions

● Technology Parameters



Material

- 2.4 Housing: PPO
- 2.5 Insulator: LCP
- 2.6 CPA: PPO
- 2.7 TPA: PPO
- 2.8 Rear cover: PPO
- 2.9 Plug: PPO
- 3.0 O-Ring: Rubber Silicone
- 3.1 Center Pin: Copper Alloy

Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 1.5 GHz
- 1.3 Return Loss:
 - ≥ 30 dB, DC to 1 GHz
 - ≥ 15 dB, 1 to 1.5 GHz
- 1.4 Insertion Loss:
 - ≤ 0.3 dB, DC to 1 GHz
 - ≤ 0.8 dB, 1 to 1.5 GHz
- 1.5 Center Contact Resistance: ≤ 25 mΩ
- 1.6 Insulation Resistance: ≥ 100 MΩ
- 1.7 Voltage Rating: 25 V DC
- 1.8 Current Rating: ≤ 3 A DC

Mechanical Performance

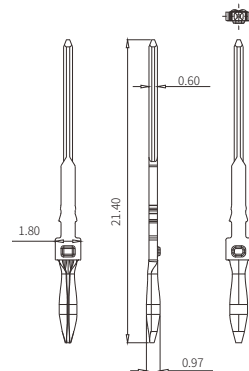
- 1.9 Mating Cycles: ≥ 50
- 2.0 Mating Force: ≤ 75 N
- 2.1 Unmating Force: ≤ 75 N
- 2.2 Retention Force Latch: ≥ 110 N
- 2.3 Temperature Range: -40 °C - +105 °C

Lidar Cable Connector Jack (2 Signal+6 Power) Sealed

D/N: 600-18316-02

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Contact Resistance: 25mΩ Max
- 1.2 Withstand Voltage: 500V DC
- 1.3 Rated Voltage: 24V DC
- 1.4 Rated Current: 3A

Mechanical Performance

- 2.1 Assembly Type: Press-fit
- 2.2 PCB layer Hole Size: 1.02+/-0.05mm
- 2.3 Compliant Pin Retention Force: ≥ 20N
- 2.4 Compliant Pin Insertion Force: ≤ 150N
- 2.5 Temperature Range: -40 °C - +125 °C

Materials

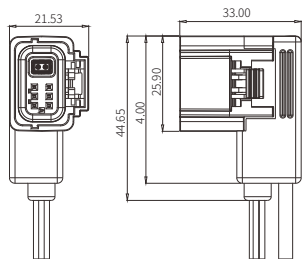
- 3.1 Center Pin: Copper Alloy
- 3.2 Pressure Welding Area Plating: Sn Plating after Ni based

Lidar Bend Cable Connector Jack (2 Signal+6 Power) Sealed

D/N: 600-29793-01

● Outline Dimensions

● Technology Parameters



Material

- 2.4 Housing: PP0
- 2.5 Insulator: LCP
- 2.6 CPA: PPO
- 2.7 Molding: PBT
- 2.8 O-Ring: Rubber Silicone
- 2.9 Center Pin: Copper Alloy

Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 1.5 GHz
- 1.3 Return Loss:
 - ≥ 30 dB, DC to 1 GHz
 - ≥ 15 dB, 1 to 1.5 GHz
- 1.4 Insertion Loss:
 - ≤ 0.3 dB, DC to 1 GHz
 - ≤ 0.8 dB, 1 to 1.5 GHz
- 1.5 Center Contact Resistance: ≤ 25 mΩ
- 1.6 Insulation Resistance: ≥ 100 MΩ
- 1.7 Voltage Rating: 25 V DC
- 1.8 Current Rating: ≤ 3 A DC

Mechanical Performance

- 1.9 Mating Cycles: ≥ 50
- 2.0 Mating Force: ≤ 75 N
- 2.1 Unmating Force: ≤ 75 N
- 2.2 Retention Force Latch: ≥ 110 N
- 2.3 Temperature Range: -40 °C - +105 °C

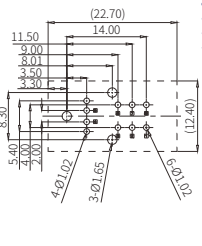
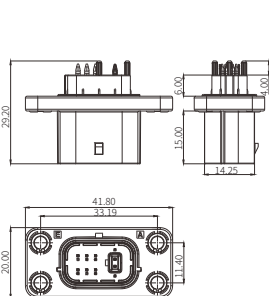
Lidar Power Male Terminal, L=21.4mm, W1.8mm, H0.97mm

D/N: 600-18316-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Material

- 2.6 Housing: PA46
- 2.7 Outer Contact: Copper Alloy
- 2.8 Center Pin: Copper Alloy
- 2.9 Insulator: LCP

Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 1.5 GHz
- 1.3 Return Loss:
 - ≤ 30 dB, DC to 1 GHz
 - ≤ 15 dB, 1 GHz to 1.5 GHz
- 1.4 Insertion Loss:
 - ≥ 0.3 dB, DC to 1 GHz
 - ≥ 0.8 dB, 1 GHz to 1.5 GHz
- 1.5 Insulation Resistance: ≥ 100MΩ
- 1.6 Center Contact Resistance: 25mΩ Max
- 1.7 Withstand Voltage: 500V DC
- 1.8 Voltage Rating: 24V DC
- 1.9 Current Rating: 3A
- 2.0 Transmission Rate: 1Gbps

Mechanical Performance

- 2.1 Durability Times Cycles: ≥ 50
- 2.2 Mating and Unmating force: ≤ 75 N
- 2.3 Compliant Pin Retention Force: ≥ 20N
- 2.4 Compliant Pin Insertion Force: ≤ 150N
- 2.5 Temperature Range: -40 °C - +125 °C

06

Ethernet Connector Series



A-ETH 1 Port PCB Connector, Type A~ Type Z

D/N: 600-18539-01

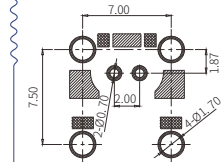
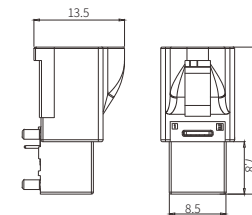
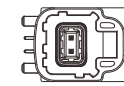
● Outline Dimensions

● PCB Layout

● Technology Parameters



Keying Code	Color	Part No.
A	Deep Black	818018534
B	Cream White	818018535
C	Signal Blue	818018536
D	Claret Violet	818018537
E	Leaf Green	818018538
F	Nut Brown	818018539
G	Blue Gray	818018544
H	Heather Violet	818018545
J	Beige	818018546
K	Curry	818018547
L	Carmin Red	818018548
M	Pastel Orange	818018549
N	Pastel Green	818018550
Z	Water Blue	818018551



Material

- Plastic Housing: PPA
- Insulator: LCP
- Center Pin: Brass
- Housing: Zinc Alloy
- Gear Piece: Stainless Steel
- Locking Plate: Stainless Steel

Electrical Performance

- Impedance: 100Ω (500 ps @ 10%-90%)
- Frequency Range: DC to 600MHz
- Return Loss: ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- Insertion Loss: $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0~ 600 MHz
- Center Contact Resistance: ≤ 25 mΩ
- Test Voltage: 500V rms Max
- Working Voltage: 60 V DC
- Current Rating: 1 A

Mechanical Performance

- Mating Cycles: ≥ 25 Times
- Mating Force: ≤ 75 N
- Unmating Force: $2N \leq F \leq 75$ N
- Retention Force Housing: ≥ 110 N
- Temperature Range: -40 °C ~ +105 °C

A-ETH 1 Port PCB Connector, Type A~ Type Z

D/N: 600-32623-01

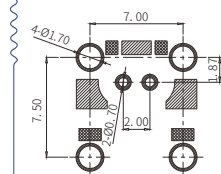
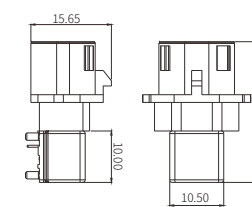
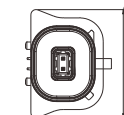
● Outline Dimensions

● PCB Layout

● Technology Parameters



Keying Code	Color	Part No.
A	Deep Black	818032610
B	Cream White	818032611
C	Signal Blue	818032612
D	Claret Violet	818032613
E	Leaf Green	818032614
F	Nut Brown	818032615
Z	Water Blue	818032616
G	Blue Gray	818032617
H	Heather Violet	818032618
J	Beige	818032619
K	Curry	818032620
L	Carmin Red	818032621
M	Pastel Orange	818032622
O	浅绿色6027	818032623



Material

- Plastic Housing: PPA
- Insulator: LCP
- Center Pin: Brass
- Housing: Zinc Alloy
- Gear Piece: Stainless Steel
- Locking Plate: Stainless Steel

Electrical Performance

- Impedance: 100 (500 ps @ 10%-90%)
- Frequency Range: DC to 600MHz
- Return Loss: ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- Insertion Loss: $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0~ 600 MHz
- Center Contact Resistance: ≤ 10 mΩ
- Test Voltage: 500V rms Max
- Working Voltage: 100V rms
- Current Rating: ≤ 1.5 A DC
- Insulation Resistance: ≥ 1000 mΩ

Mechanical Performance

- Mating Cycles: ≥ 25 Times
- Mating Force: ≤ 75 N
- Unmating Force: $F \geq 2$ N
- Retention Force Housing: ≥ 110 N

T-ETH 1 Port PCB Connector, Type A~ Type Z

D/N: 600-24958-01

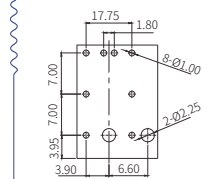
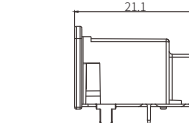
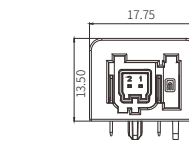
● Outline Dimensions

● PCB Layout

● Technology Parameters



Keying Code	Color	Part No.
A	Deep Black	818024958
B	Cream White	818024959
C	Signal Blue	818024960
D	Claret Violet	-
E	Leaf Green	-
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	-
K	Curry	-
L	Carmin Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818024962



Material

- Body: PA4T
- Center Pin: Copper Alloy
- Outer Contact: Copper Alloy

Electrical Performance

- Impedance: 100Ω
- Insertion Loss: ≥ 23 dB (DC~600Mhz)
 ≥ 20 dB (DC~600Mhz)
- Insulation Resistance: ≥ 100 MΩ
- Center Contact Resistance: Signal 10mΩ max
Shield 40mΩ max
- Withstand Voltage: 250V DC
- Voltage Rating: 60V DC
- Current Rating: 3A
- Transmission Rate: 1000MHz

Mechanical Performance

- Durability Times Cycles: ≥ 20
- Mating Force: ≤ 30 N
- Device Terminal Retention Force: Terminal ≥ 15 N
Shield ≥ 15 N
- Temperature Range: -40°C ~ +105°C

T-ETH 1 Port PCB Connector, Type A~ Type Z

D/N: 600-25319-01

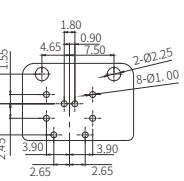
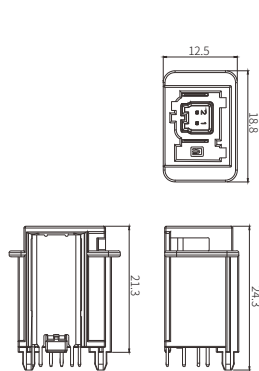
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818025319	818035311
B	Cream White	818025320	818032312
C	Signal Blue	818025321	818032313
D	Claret Violet	-	-
E	Leaf Green	-	-
F	Nut Brown	-	-
G	Blue Gray	-	-
H	Heather Violet	-	-
J	Beige	818025322	818032314
K	Curry	-	-
L	Carmin Red	-	-
M	Pastel Orange	-	-
N	Pastel Green	-	-
Z	Water Blue	818025323	818032315
Keying Code	Color	Part No.	Part No.



Material

- Plastic Housings: PA10T
- PIN: Copper Alloy
- Shield: Copper Alloy

Electrical Performance

- 1.1 Impedance: 100Ω
- 1.2 Frequency Range: DC to 1000MHz
- 1.3 Return Loss:
DC~190MHz ≤ -30dB
190~600MHz ≤ $-20 - 20 \log(f/600)$ dB
- 1.4 Insertion Loss:
DC~600MHz ≥ -0.01f dB
- 1.5 Signal Center Contact Resistance:
≤ 10 mΩ
- 1.6 Shield Center Contact Resistance:
≤ 40 mΩ
- 1.7 Voltage Rating: 60 V DC
- 1.8 Current Rating: ≤ 3 A DC

Mechanical Performance

- 1.9 Mating Cycles: ≥ 20
- 2.0 Mating Force: ≤ 30N
- 2.1 Retention Force Latch: ≥ 80N
- 2.2 Temperature Range:
-40 °C ~ +105 °C

R-ETH 1 Port PCB Connector, Type A~ Type Z

D/N: 600-30876-01

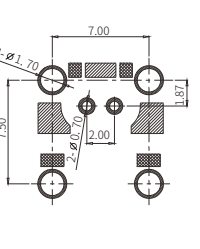
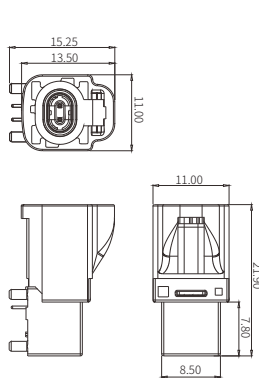
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818030869
B	Cream White	818030871
C	Signal Blue	818030872
D	Claret Violet	818030873
E	Leaf Green	818030874
F	Nut Brown	818030875
G	Blue Gray	818030876
H	Heather Violet	818030877
J	Beige	818030878
K	Curry	818030879
L	Carmin Red	818030880
M	Pastel Orange	818030881
N	Pastel Green	818030882
Z	Water Blue	818030883
Keying Code	Color	Part No.



Material

- Plastic Housing: PPA
- Insulator: LCP
- Center Pin: Brass
- Housing: Zinc Alloy
- Gear Piece: Stainless Steel
- Locking Plate: Stainless Steel

Electrical Performance

- 1.1 Impedance:
100Ω (500 ps @ 10%-90%)
- 1.2 Frequency Range: DC to 600MHz
- 1.3 Return Loss:
≤ -30 dB @ 0 ~ 190 MHz
≤ -20 + 20*log10 (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- 1.4 Insertion Loss:
≥ -0.01*sqrt (freq in MHz) dB @ 0~ 600 MHz
- 1.5 Center Contact Resistance: ≤ 25 mΩ
- 1.6 Withstanding Voltage: 500V DC
- 1.7 Voltage Rating: 60V DC
- 1.8 Current Rating: ≤ 1A DC
- 1.9 Insulation Resistance: ≥ 100MΩ

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25Times
- 2.1 Mating Force: ≤ 75N
- 2.2 Unmating Force: 2N ≤ F ≤ 75 N
- 2.3 Retention Force Housing: ≥ 110 N

R-ETH 2 Port PCB Connector, Type A~ Type Z

D/N: 600-31810-01

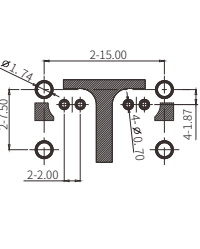
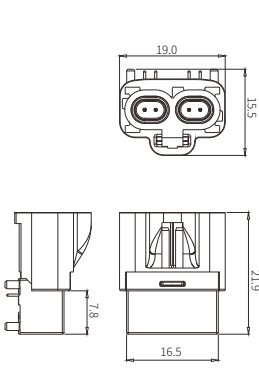
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818031804
B	Cream White	818031805
C	Signal Blue	818031806
D	Claret Violet	818031807
E	Leaf Green	818031808
F	Nut Brown	818031809
Z	Water Blue	818031810
G	Blue Gray	818031811
H	Heather Violet	818031812
J	Beige	818031813
K	Curry	818031814
L	Carmin Red	818031815
M	Pastel Orange	818031816
O	浅绿色6027	818031817
Keying Code	Color	Part No.



Material

- Plastic Housing: PPA
- Insulator: LCP
- Center Pin: Brass
- Housing: Zinc Alloy
- Gear Piece: Stainless Steel
- Locking Plate: Stainless Steel

Electrical Performance

- 1.1 Impedance:
100 (500 ps @ 10%-90%)
- 1.2 Frequency Range: DC to 600MHz
- 1.3 Return Loss:
≤ -30 dB @ 0 ~ 190 MHz
≤ -20 + 20*log10 (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- 1.4 Insertion Loss:
≥ -0.01*sqrt (freq in MHz) dB @ 0~ 600 MHz
- 1.5 Center Contact Resistance: ≤ 25 mΩ
- 1.6 Test Voltage: 500V rms Max
- 1.7 Working Voltage: 100V rms
- 1.8 Current Rating: ≤ 1.5 A DC
- 1.9 Insulation Resistance: ≥ 100mΩ

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25Times
- 2.1 Mating Force: ≤ 75N
- 2.2 Unmating Force: 2N ≤ F ≤ 75 N
- 2.3 Retention Force Housing: ≥ 110 N

A-ETH 2 Port PCB Connector, Type A~ Type Z

D/N: 600-26939-01

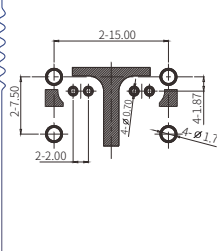
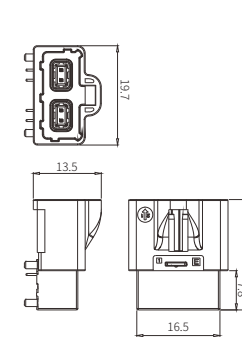
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818026933
B	Cream White	818026934
C	Signal Blue	818026935
D	Claret Violet	818026936
E	Leaf Green	818026937
F	Nut Brown	818026938
G	Blue Gray	-
H	Heather Violet	-
J	Beige	-
K	Curry	-
L	Carmin Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818026939
Keying Code	Color	Part No.



Material

- Plastic Housing: PPA
- Insulator: LCP
- Center Pin: Brass
- Housing: Zinc Alloy
- Gear Piece: Stainless Steel
- Locking Plate: Stainless Steel

Electrical Performance

- 1.1 Impedance: 100Ω(500 ps @ 10%-90%)
- 1.2 Frequency Range: DC to 600MHz
- 1.3 Return Loss:
≤ -30 dB @ 0 ~ 190 MHz;
≤ -20 + 20*log10 (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- 1.4 Insertion Loss:
≥ -0.01*sqrt (freq in MHz) dB @ 0~ 600 MHz
- 1.5 Center Contact Resistance: ≤ 25 mΩ
- 1.6 Test Voltage: 500V rms Max
- 1.7 Working Voltage: 100 V rms
- 1.8 Insulation Resistance: 1000mΩ
- 1.9 Current Rating: ≤ 1.5A DC

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25Times
- 2.1 Mating Force: ≤ 75N
- 2.2 Unmating Force: ≥ 2 N
- 2.3 Retention Force Housing: ≥ 110 N
- 2.4 Temperature Range: -40 °C ~ +105 °C

A-ETH 2x2 Port PCB Connector, Type A~ Type Z

D/N: 600-18068-01

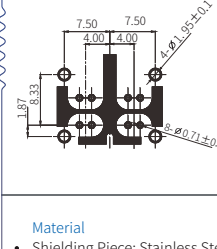
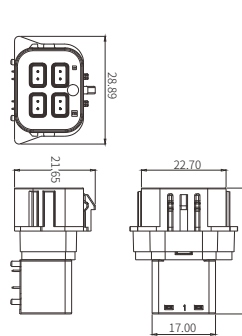
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818018064
B	Cream White	818018065
C	Signal Blue	818018066
D	Claret Violet	818018067
E	Leaf Green	818018103
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	-
K	Curry	-
L	Carmin Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818018068
Keying Code	Color	Part No.



Material

- Shielding Piece: Stainless Ste
- Long Insulator: LCP
- Short Insulator: LCP
- Long Center Pin: Brass
- Short Center Pin: Brass
- Housing: Zinc Alloy
- Plastic Housing: PPA
- Locking Plate: Stainless Steel
- Locking Plate: Stainless Steel

Electrical Performance

- 1.1 Impedance:
100Ω (500 ps @ 10%-90%)
- 1.2 Frequency Range: DC to 600MHz
- 1.3 Return Loss:
≤ -30 dB @ 0 ~ 190 MHz
≤ -20 + 20*log10 (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- 1.4 Insertion Loss:
≥ -0.01*sqrt (freq in MHz) dB @ 0~ 600 MHz
- 1.5 Center Contact Resistance: ≤ 25 mΩ
- 1.6 Withstanding Voltage: 500V DC
- 1.7 Voltage Rating: 12V DC
- 1.8 Current Rating: ≤ 1.5A DC
- 1.9 Insulation Resistance: ≥ 100MΩ

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25Times
- 2.1 Mating Force: ≤ 75N
- 2.2 Unmating Force: ≥ 2 N
- 2.3 Retention Force Housing: ≥ 110 N

A-ETH 2x2 Port PCB Connector, Type A~ Type Z

D/N: 600-30467-01

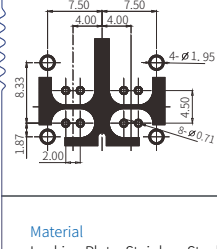
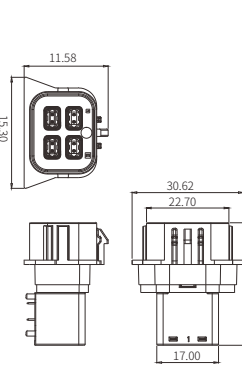
● Outline Dimensions

● PCB Layout

● Technology Parameters



A	Deep Black	818030462
B	Cream White	818030463
C	Signal Blue	818030464
D	Claret Violet	818030465
E	Leaf Green	818030466
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	-
K	Curry	-
L	Carmin Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818030467
Keying Code	Color	Part No.



Material

- Locking Plate: Stainless Steel
- Long Insulator: LCP
- Short Insulator: LCP
- Long Center Pin: Brass
- Short Center Pin: Brass
- Housing: Zinc Alloy
- Plastic Housing: PPA
- Locking Plate: Stainless Steel
- Locking Plate: Stainless Steel

Electrical Performance

- 1.1 Impedance:
100Ω (500 ps @ 10%-90%)
- 1.2 Frequency Range: DC to 600MHz
- 1.3 Return Loss:
≤ -30 dB @ 0 ~ 190 MHz
≤ -20 + 20*log10 (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- 1.4 Insertion Loss:
≥ -0.01*sqrt (freq in MHz) dB @ 0~ 600 MHz
- 1.5 Center Contact Resistance: ≤ 25 mΩ
- 1.6 Withstanding Voltage: 500V DC
- 1.7 Voltage Rating: 12V DC
- 1.8 Current Rating: ≤ 1.5A DC
- 1.9 Insulation Resistance: ≥ 100MΩ

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25Times
- 2.1 Mating Force: ≤ 75N
- 2.2 Unmating Force: ≥ 2 N
- 2.3 Retention Force Housing: ≥ 110 N

A-ETH 1 Port Cable Connector Plug With Lock, Type A~ Type Z

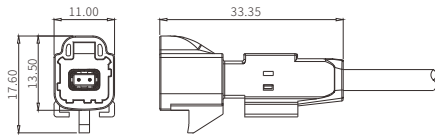
D/N: 600-26773-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818026773
B	Cream White	818026774
C	Signal Blue	818026775
D	Claret Violet	818026776
E	Leaf Green	818026777
F	Nut Brown	818026778
G	Blue Gray	818026779
H	Heather Violet	818026780
J	Beige	818026781
K	Curry	818026782
L	Carmine Red	818026783
M	Pastel Orange	818026784
N	Pastel Green	818026785
Z	Water Blue	818026786
Keying Code	Color	Part No.



Material

2.4 Cable: $\Phi 3.8$, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance: 100 Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss:
 ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss:
 $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤ 25 m Ω
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: $\leq 1.5A$ DC
1.9 Insulation Resistance: $\geq 100M\Omega$

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: $\leq 75N$
2.2 Unmating Force: $\geq 2N$
2.3 Rentention Force Housing: $\geq 110N$

T-ETH 1 Port Cable Connector Plug, Type A~ Type Z

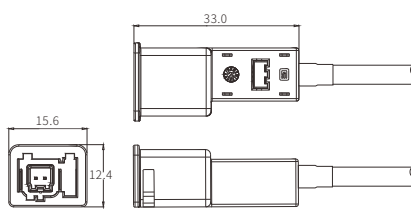
D/N: 600-24948-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818024948
B	Cream White	818024949
C	Signal Blue	818024950
D	Claret Violet	-
E	Leaf Green	-
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	818024951
K	Curry	-
L	Carmine Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818024952
Keying Code	Color	Part No.



Mechanical Performance

1.9 Durability Times Cycles: ≥ 20
2.0 Mating Force: $\leq 30N$
2.1 Device Terminal Retention Force: Terminal $\geq 15N$
Shield $\geq 15N$
2.2 Temperature Range: -40°C~ +105°C

Material

2.3 Housing: PPO
2.4 Center Pin: Copper Alloy
2.5 Outer Contact: Copper Alloy
2.6 Insulator: PP

Electrical Performance

1.1 Impedance: 100 Ω
1.2 Insertion Loss:
 ≥ 23 dB (DC~600MHz)
 ≥ 20 dB (DC~600MHz)
1.3 Insulation Resistance: $\geq 100M\Omega$
1.4 Center Contact Resistance: Signal 10m Ω max
Shield 40m Ω max
1.5 Withstand Voltage: 250V DC
1.6 Voltage Rating: 60V DC
1.7 Current Rating: 3A
1.8 Transmission Rate: 1000MHz

R-ETH 1 Port Cable Connector Plug, Type A~ Type Z

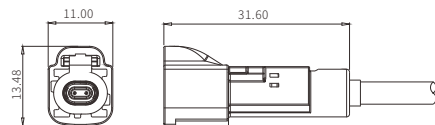
D/N: 600-30904-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818030898
B	Cream White	818030899
C	Signal Blue	818030900
D	Claret Violet	818030901
E	Leaf Green	818030902
F	Nut Brown	818030903
G	Blue Gray	818030904
H	Heather Violet	818030905
J	Beige	818030906
K	Curry	818030907
L	Carmine Red	818030908
M	Pastel Orange	818030909
N	Pastel Green	818030910
Z	Water Blue	818030911
Keying Code	Color	Part No.



Material

2.4 Cable: $\Phi 3.8$, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance: 100 Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss:
 ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss:
 $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤ 25 m Ω
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: $\leq 1.5A$ DC
1.9 Insulation Resistance: $\geq 100M\Omega$

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: $\leq 75N$
2.2 Unmating Force: $\geq 2N$
2.3 Rentention Force Housing: $\geq 110N$

R-ETH 1 Port Cable Connector Plug, Type A~ Type Z With Lock

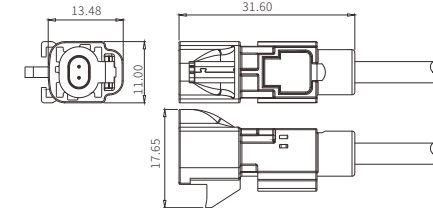
D/N: 600-30918-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818030912
B	Cream White	818030913
C	Signal Blue	818030914
D	Claret Violet	818030915
E	Leaf Green	818030916
F	Nut Brown	818030917
G	Blue Gray	818030918
H	Heather Violet	818030919
J	Beige	818030920
K	Curry	818030921
L	Carmine Red	818030922
M	Pastel Orange	818030923
N	Pastel Green	818030924
Z	Water Blue	818030925
Keying Code	Color	Part No.



Material

2.4 Cable: $\Phi 3.8$, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance: 100 Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss:
 ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss:
 $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤ 25 m Ω
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: $\leq 1.5A$ DC
1.9 Insulation Resistance: $\geq 100M\Omega$

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: $\leq 75N$
2.2 Unmating Force: $\geq 2N$
2.3 Rentention Force Housing: $\geq 110N$

A-ETH 2 Port Cable Connector Plug, Type A~ Type Z

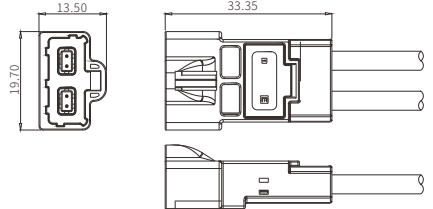
D/N: 600-26953-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818026947
B	Cream White	818026948
C	Signal Blue	818026949
D	Claret Violet	818026950
E	Leaf Green	818026951
F	Nut Brown	818026952
G	Blue Gray	-
H	Heather Violet	-
J	Beige	-
K	Curry	-
L	Carmine Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818026953
Keying Code	Color	Part No.



Material

2.4 Cable: $\Phi 3.8$, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance: 100 Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss:
 ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss:
 $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤ 25 m Ω
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: $\leq 1.5A$ DC
1.9 Insulation Resistance: $\geq 100M\Omega$

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: $\leq 75N$
2.2 Unmating Force: $\geq 2N$
2.3 Rentention Force Housing: $\geq 110N$

A-ETH 2 Port Cable Connector Plug With Lock, Type A~ Type Z

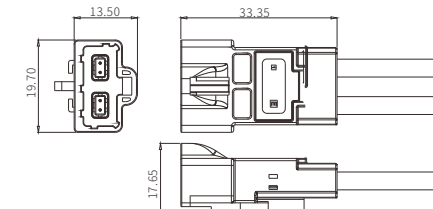
D/N: 600-26960-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818026954
B	Cream White	818026955
C	Signal Blue	818026956
D	Claret Violet	818026957
E	Leaf Green	818026958
F	Nut Brown	818026959
G	Blue Gray	-
H	Heather Violet	-
J	Beige	-
K	Curry	-
L	Carmine Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818026960
Keying Code	Color	Part No.



Material

2.4 Cable: $\Phi 3.8$, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance: 100 Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss:
 ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss:
 $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤ 25 m Ω
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: $\leq 1.5A$ DC
1.9 Insulation Resistance: $\geq 100M\Omega$

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: $\leq 75N$
2.2 Unmating Force: $\geq 2N$
2.3 Rentention Force Housing: $\geq 110N$

R-ETH 2 Port Cable Connector Plug, Type A~ Type Z

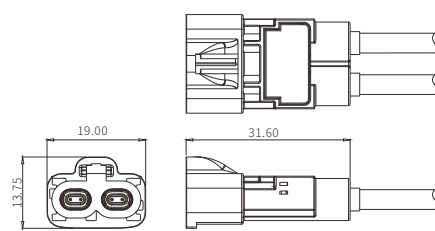
D/N: 600-31838-01

● Outline Dimensions

● Technology Parameters



Keying Code	Color	Part No.
A	Deep Black	818031832
B	Cream White	818031833
C	Signal Blue	818031834
D	Claret Violet	818031835
E	Leaf Green	818031836
F	Nut Brown	818031837
G	Blue Gray	818031838
H	Heather Violet	818031839
J	Beige	818031840
K	Curry	818031841
L	Carmin Red	818031842
M	Pastel Orange	818031843
N	Pastel Green	818031844
Z	Water Blue	818031845



Material

2.4 Cable: $\Phi 3.8$, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance:
100 Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss:
 ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600)
dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss:
 $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$
dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤ 25 m Ω
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: ≤ 1.5 A DC
1.9 Insulation Resistance: ≥ 100 M Ω

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Unmating Force: ≥ 2 N
2.3 Rentention Force Housing: ≥ 110 N

R-ETH 2 Port Cable Connector Plug, Type A~ Type Z, With Lock

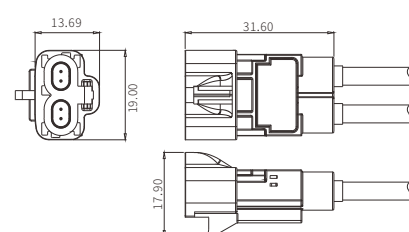
D/N: 600-31852-01

● Outline Dimensions

● Technology Parameters



Keying Code	Color	Part No.
A	Deep Black	818024948
B	Cream White	818024949
C	Signal Blue	818024950
D	Claret Violet	-
E	Leaf Green	-
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	818024951
K	Curry	-
L	Carmin Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818024952



Material

2.4 Cable: $\Phi 3.8$, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance:
100 Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss:
 ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600)
dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss:
 $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$
dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤ 25 m Ω
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: ≤ 1.5 A DC
1.9 Insulation Resistance: ≥ 100 M Ω

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Unmating Force: ≥ 2 N
2.3 Rentention Force Housing: ≥ 110 N

A-ETH 2x2 Port Cable Connector Plug, Type A~ Type Z

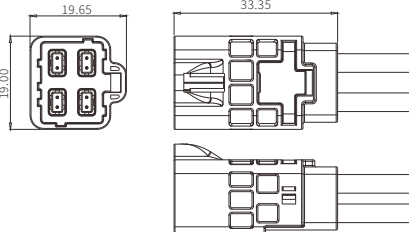
D/N: 600-27131-01

● Outline Dimensions

● Technology Parameters



Keying Code	Color	Part No.
A	Deep Black	818027131
B	Cream White	818027132
C	Signal Blue	818027133
D	Claret Violet	818027134
E	Leaf Green	818027135
F	Nut Brown	818027136
G	Blue Gray	-
H	Heather Violet	-
J	Beige	-
K	Curry	-
L	Carmin Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818027137



Material

2.4 Cable: $\Phi 3.8$, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance:
100 Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss:
 ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600)
dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss:
 $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$
dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤ 25 m Ω
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: ≤ 1.5 A DC
1.9 Insulation Resistance: ≥ 100 M Ω

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Unmating Force: ≥ 2 N
2.3 Rentention Force Housing: ≥ 110 N

A-ETH 2x2 Port Cable Connector Plug With Lock, Type A~ Type Z

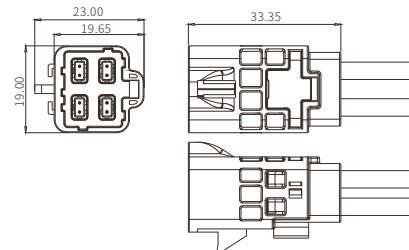
D/N: 600-27124-01

● Outline Dimensions

● Technology Parameters



Keying Code	Color	Part No.
A	Deep Black	818027124
B	Cream White	818027125
C	Signal Blue	818027126
D	Claret Violet	818027127
E	Leaf Green	818027128
F	Nut Brown	818027129
G	Blue Gray	-
H	Heather Violet	-
J	Beige	-
K	Curry	-
L	Carmin Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818027130



Material

2.4 Cable: $\Phi 3.8$, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance:
100 Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss:
 ≤ -30 dB @ 0 ~ 190 MHz
 $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600)
dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss:
 $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$
dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤ 25 m Ω
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: ≤ 1.5 A DC
1.9 Insulation Resistance: ≥ 100 M Ω

Mechanical Performance

2.0 Mating Cycles: ≥ 25 Times
2.1 Mating Force: ≤ 75 N
2.2 Unmating Force: ≥ 2 N
2.3 Rentention Force Housing: ≥ 110 N

A-ETH 1 Port Cable Connector Jack, Type A~ Type Z

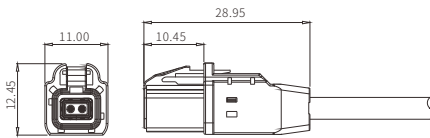
D/N: 600-19555-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818018604
B	Cream White	818018605
C	Signal Blue	818018606
D	Claret Violet	818018607
E	Leaf Green	818018608
F	Nut Brown	818018609
G	Blue Gray	818019552
H	Heather Violet	818019553
J	Beige	818019554
K	Curry	818019555
L	Carmine Red	818019556
M	Pastel Orange	818019557
N	Pastel Green	818019558
Z	Water Blue	818019559
Keying Code	Color	Part No.



Material

2.4 Cable: Φ3.8, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance: 100Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss: ≤ -30 dB @ 0 ~ 190 MHz
≤ -20 + 20*log10 (freq in MHz/600) dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss: ≥ -0.01*sqrt (freq in MHz) dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤25 mΩ
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: ≤ 1.5A DC
1.9 Insulation Resistance: ≥100MΩ

Mechanical Performance

2.0 Mating Cycles: ≥25Times
2.1 Mating Force: ≤ 75N
2.2 Unmating Force: ≥ 2 N
2.3 Rentention Force Housing: ≥ 110 N

A-ETH 1 Port Cable Connector Jack Sealed, Type A~ Type Z

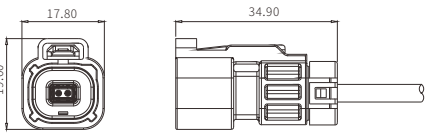
D/N: 600-19534-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818019534
B	Cream White	818022113
C	Signal Blue	818022114
D	Claret Violet	818022115
E	Leaf Green	818022116
F	Nut Brown	818022117
G	Blue Gray	818022118
H	Heather Violet	818022119
J	Beige	818022120
K	Curry	818022121
L	Carmine Red	818022122
M	Pastel Orange	818022123
N	Pastel Green	818022124
Z	Water Blue	818022125
Keying Code	Color	Part No.



Material

2.4 Cable: Φ3.8, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance: 100Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss: ≤ -30 dB @ 0 ~ 190 MHz
≤ -20 + 20*log10 (freq in MHz/600) dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss: ≥ -0.01*sqrt (freq in MHz) dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤25 mΩ
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: ≤ 1.5A DC
1.9 Insulation Resistance: ≥100MΩ

Mechanical Performance

2.0 Mating Cycles: ≥25Times
2.1 Mating Force: ≤ 75N
2.2 Unmating Force: ≥ 2 N
2.3 Rentention Force Housing: ≥ 110 N

T-ETH 1 Port Cable Connector Jack, Type A~ Type Z

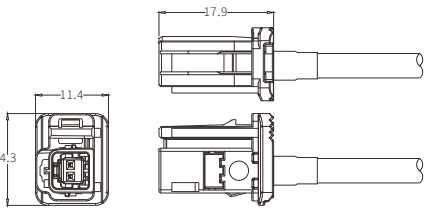
D/N: 600-24943-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818024943
B	Cream White	818024944
C	Signal Blue	818024945
D	Claret Violet	-
E	Leaf Green	-
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	818024946
K	Curry	-
L	Carmine Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818024947
Keying Code	Color	Part No.



Mechanical Performance

1.9 Durability Times Cycles: ≥ 20
2.0 Mating Force: ≤ 30 N
2.1 Device Terminal Retention Force: Terminal ≥ 15N
Shield ≥ 15N
2.2 Temperature Range: -40°C ~ +105°C

Material

2.3 Housing: PPO
2.4 Center Pin: Copper Alloy
2.5 Outer Contact: Copper Alloy
2.6 Insulator: PP

Electrical Performance

1.1 Impedance: 100Ω
1.2 Insertion Loss: ≥ 23 dB (DC~600Mhz)
≥ 20 dB (DC~600Mhz)
1.3 Insulation Resistance: ≥ 100MΩ
1.4 Center Contact Resistance: Signal 10mΩ max
Shield 40mΩ max
1.5 Withstand Voltage: 250V DC
1.6 Voltage Rating: 60V DC
1.7 Current Rating: 3A
1.8 Transmission Rate: 1000MHz

R-ETH 1 Port Cable Connector Jack, Type A~ Type Z

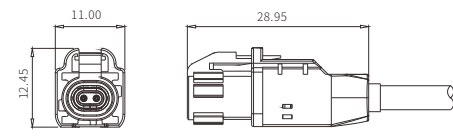
D/N: 600-30890-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818030884
B	Cream White	818030885
C	Signal Blue	818030886
D	Claret Violet	818030887
E	Leaf Green	818030888
F	Nut Brown	818030889
G	Blue Gray	818030890
H	Heather Violet	818030891
J	Beige	818030892
K	Curry	818030893
L	Carmine Red	818030894
M	Pastel Orange	818030895
N	Pastel Green	818030896
Z	Water Blue	818030897
Keying Code	Color	Part No.



Material

2.4 Cable: Φ3.8, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 HousingBody: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postoperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance: 100Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss: ≤ -30 dB @ 0 ~ 190 MHz
≤ -20 + 20*log10 (freq in MHz/600) dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss: ≥ -0.01*sqrt (freq in MHz) dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤25 mΩ
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: ≤ 1.5A DC
1.9 Insulation Resistance: ≥100MΩ

Mechanical Performance

2.0 Mating Cycles: ≥25Times
2.1 Mating Force: ≤ 75N
2.2 Unmating Force: ≥ 2 N
2.3 Rentention Force Housing: ≥ 110 N

T-ETH 1 Port Cable Connector Jack, Type A~ Type Z

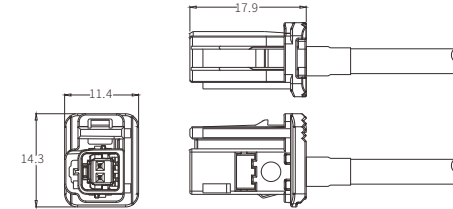
D/N: 600-24938-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818024938
B	Cream White	818024939
C	Signal Blue	818024940
D	Claret Violet	-
E	Leaf Green	-
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	818024941
K	Curry	-
L	Carmine Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818024942
Keying Code	Color	Part No.



Mechanical Performance

1.9 Durability Times Cycles: ≥ 20
2.0 Mating Force: ≤ 30 N
2.1 Device Terminal Retention Force: Terminal ≥ 15N
Shield ≥ 15N
2.2 Temperature Range: -40°C ~ +105°C

Material

2.3 Housing: PPO
2.4 Center Pin: Copper Alloy
2.5 Outer Contact: Copper Alloy
2.6 Insulator: PP

Electrical Performance

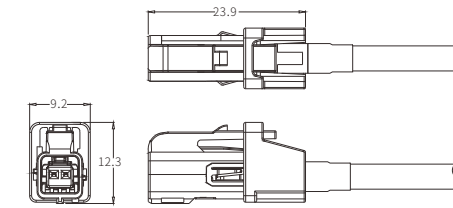
1.1 Impedance: 100Ω
1.2 Insertion Loss: ≥ 23 dB (DC~600Mhz)
≥ 20 dB (DC~600Mhz)
1.3 Insulation Resistance: ≥ 100MΩ
1.4 Center Contact Resistance: Signal 10mΩ max
Shield 40mΩ max
1.5 Withstand Voltage: 250V DC
1.6 Voltage Rating: 60V DC
1.7 Current Rating: 3A
1.8 Transmission Rate: 1000MHz

T-ETH 1 Port Cable Connector Jack, Type A

D/N: 600-27306-01

● Outline Dimensions

● Technology Parameters



Mechanical Performance

1.9 Durability Times Cycles: ≥ 20
2.0 Mating Force: ≤ 30 N
2.1 Device Terminal Retention Force: Terminal ≥ 15N
Shield ≥ 15N
2.2 Temperature Range: -40°C ~ +105°C

Material

2.3 Housing: PPO
2.4 Center Pin: Copper Alloy
2.5 Outer Contact: Copper Alloy
2.6 Insulator: PP

Electrical Performance

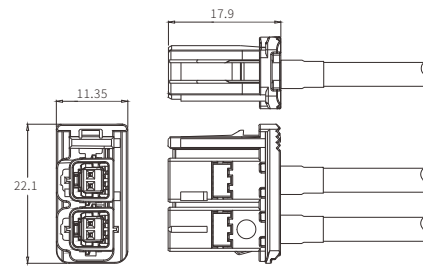
1.1 Impedance: 100Ω
1.2 Insertion Loss: ≥ 23 dB (DC~600Mhz)
≥ 20 dB (DC~600Mhz)
1.3 Insulation Resistance: ≥ 100MΩ
1.4 Center Contact Resistance: Signal 10mΩ max
Shield 40mΩ max
1.5 Withstand Voltage: 250V DC
1.6 Voltage Rating: 60V DC
1.7 Current Rating: 3A
1.8 Transmission Rate: 1000MHz

T-ETH 2 Port Cable Connector Jack, Type A~ Type Z

D/N: 600-27246-01

● Outline Dimensions

● Technology Parameters



Mechanical Performance

- 1.9 Durability Times Cycles: ≥ 20
- 2.0 Mating Force: ≤ 30 N
- 2.1 Device Terminal Retention Force: Terminal ≥ 15 N Shield ≥ 15 N
- 2.2 Temperature Range: -40°C ~ +105°C

Material

- 2.3 Housing: PPO
- 2.4 Center Pin: Copper Alloy
- 2.5 Outer Contact: Copper Alloy
- 2.6 Insulator: PP

Electrical Performance

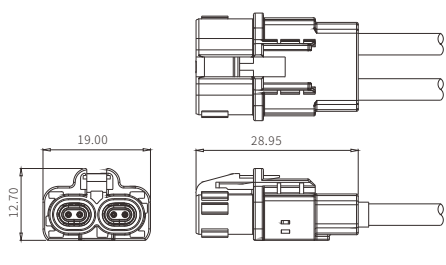
- 1.1 Impedance: 100 Ω
- 1.2 Insertion Loss:
 - ≥ 23 dB (DC~600MHz)
 - ≥ 20 dB (DC~600MHz)
- 1.3 Insulation Resistance: ≥ 100 M Ω
- 1.4 Center Contact Resistance: Signal 10 m Ω max Shield 40 m Ω max
- 1.5 Withstand Voltage: 250V DC
- 1.6 Voltage Rating: 60V DC
- 1.7 Current Rating: 3A
- 1.8 Transmission Rate: 1000MHz

R-ETH 2 Port Cable Connector Jack, Type A~ Type Z

D/N: 600-31824-01

● Outline Dimensions

● Technology Parameters



Material

- 2.4 Cable: $\Phi 3.8$, Black
- 2.5 Insulator: LCP
- 2.6 Insulator Lock: LCP
- 2.7 Center Pin: Titanium Copper
- 2.8 Housing: Phosphorus Copper
- 2.9 Clip Material: Phosphorus Copper
- 3.0 HousingBody: Phosphorus Copper

- 3.1 Plastic Housing: PPO
- 3.2 CPA: PPO
- 3.3 Protegulum: PA66
- 3.4 Postoperculum: PA66
- 3.5 Before Sealing Wall: Silicon Rubber
- 3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

- 1.1 Impedance: 100 Ω (500 ps @ 10%-90%)
- 1.2 Frequency Range: DC to 600MHz
- 1.3 Return Loss:
 - ≤ -30 dB @ 0 ~ 190 MHz
 - $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- 1.4 Insertion Loss:
 - $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0 ~ 600 MHz
- 1.5 Center Contact Resistance: ≤ 25 m Ω
- 1.6 Withstanding Voltage: 500V DC
- 1.7 Working Voltage: 12V DC
- 1.8 Current Rating: ≤ 1.5 A DC
- 1.9 Insulation Resistance: ≥ 100 M Ω

Mechanical Performance

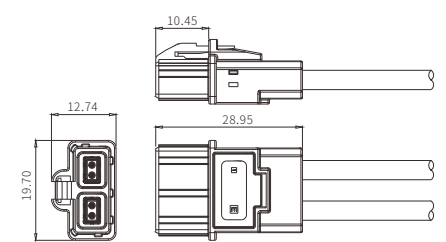
- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Mating Force: ≤ 75 N
- 2.2 Unmating Force: ≥ 2 N
- 2.3 Retention Force Housing: ≥ 110 N

A-ETH 2 Port Cable Connector Jack, Type A~ Type Z

D/N: 600-26940-01

● Outline Dimensions

● Technology Parameters



Material

- 2.4 Cable: $\Phi 3.8$, Black
- 2.5 Insulator: LCP
- 2.6 Insulator Lock: LCP
- 2.7 Center Pin: Titanium Copper
- 2.8 Housing: Phosphorus Copper
- 2.9 Clip Material: Phosphorus Copper
- 3.0 HousingBody: Phosphorus Copper

- 3.1 Plastic Housing: PPO
- 3.2 CPA: PPO
- 3.3 Protegulum: PA66
- 3.4 Postoperculum: PA66
- 3.5 Before Sealing Wall: Silicon Rubber
- 3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

- 1.1 Impedance: 100 Ω (500 ps @ 10%-90%)
- 1.2 Frequency Range: DC to 600MHz
- 1.3 Return Loss:
 - ≤ -30 dB @ 0 ~ 190 MHz
 - $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- 1.4 Insertion Loss:
 - $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0 ~ 600 MHz
- 1.5 Center Contact Resistance: ≤ 25 m Ω
- 1.6 Withstanding Voltage: 500V DC
- 1.7 Working Voltage: 12V DC
- 1.8 Current Rating: ≤ 1.5 A DC
- 1.9 Insulation Resistance: ≥ 100 M Ω

Mechanical Performance

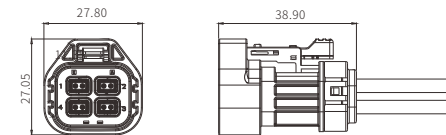
- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Mating Force: ≤ 75 N
- 2.2 Unmating Force: ≥ 2 N
- 2.3 Retention Force Housing: ≥ 110 N

A-ETH 2x2 Port Cable Connector Jack Sealed, Type A~ Type Z

D/N: 600-18060-01

● Outline Dimensions

● Technology Parameters



Material

- 2.4 Cable: $\Phi 3.8$, Black
- 2.5 Insulator: LCP
- 2.6 Insulator Lock: LCP
- 2.7 Center Pin: Titanium Copper
- 2.8 Housing: Phosphorus Copper
- 2.9 Clip Material: Phosphorus Copper
- 3.0 HousingBody: Phosphorus Copper

- 3.1 Plastic Housing: PPO
- 3.2 CPA: PPO
- 3.3 Protegulum: PA66
- 3.4 Postoperculum: PA66
- 3.5 Before Sealing Wall: Silicon Rubber
- 3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

- 1.1 Impedance: 100 Ω (500 ps @ 10%-90%)
- 1.2 Frequency Range: DC to 600MHz
- 1.3 Return Loss:
 - ≤ -30 dB @ 0 ~ 190 MHz
 - $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- 1.4 Insertion Loss:
 - $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0 ~ 600 MHz
- 1.5 Center Contact Resistance: ≤ 25 m Ω
- 1.6 Withstanding Voltage: 500V DC
- 1.7 Working Voltage: 12V DC
- 1.8 Current Rating: ≤ 1.5 A DC
- 1.9 Insulation Resistance: ≥ 100 M Ω

Mechanical Performance

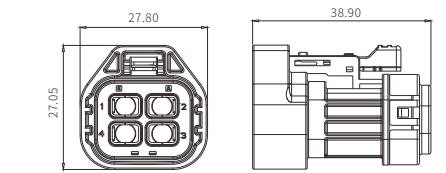
- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Mating Force: ≤ 75 N
- 2.2 Unmating Force: ≥ 2 N
- 2.3 Retention Force Housing: ≥ 110 N

A-ETH 2x2 Port Cable Connector Jack Sealed, Type Z

D/N: 600-22794-01

● Outline Dimensions

● Technology Parameters



Mechanical Performance

- 1.1 High temperature exposure: USCAR-2 5.6.3
- 1.2 Temperature and Humidity Cycling: USCAR-2 5.6.2
- 1.3 Fluid Resistance: ISO16750-5
- 1.4 Dust Test: IEC60529
- 1.5 Water Tightness: USCAR-2 5.6.5
- 1.6 Waterproofing Grade: IP67

Materials

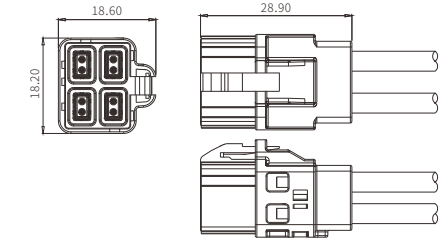
- 1.7 Plug: PTFE
- 1.8 CPA: PPO
- 1.9 Plastic Housing: PPO
- 2.0 Postoperculum: PA66
- 2.1 Protegulum: PA66
- 2.2 Before Sealing Wall: Silica Gel
- 2.3 After Sealing Wall: Silica Gel

A-ETH 2x2 Port Cable Connector Jack, Type A~ Type Z

D/N: 600-27171-01

● Outline Dimensions

● Technology Parameters



Material

- 2.4 Cable: $\Phi 3.8$, Black
- 2.5 Insulator: LCP
- 2.6 Center Pin: Titanium Copper
- 2.7 Housing: Phosphorus Copper
- 2.8 Plastic Housing: PPO

- 2.9 Insulator Lock: LCP
- 3.0 Clip Material: Phosphorus Copper
- 3.1 HousingBody: Phosphorus Copper
- 3.2 Lock: PPO

Electrical Performance

- 1.1 Impedance: 100 Ω (500 ps @ 10%-90%)
- 1.2 Frequency Range: DC to 600MHz
- 1.3 Return Loss:
 - ≤ -30 dB @ 0 ~ 190 MHz
 - $\leq -20 + 20 \cdot \log_{10}$ (freq in MHz/600) dB @ 190 MHz ~ 600MHz
- 1.4 Insertion Loss:
 - $\geq -0.01 \cdot \sqrt{\text{freq in MHz}}$ dB @ 0 ~ 600 MHz
- 1.5 Center Contact Resistance: ≤ 25 m Ω
- 1.6 Withstanding Voltage: 500V DC
- 1.7 Working Voltage: 12V DC
- 1.8 Current Rating: ≤ 1.5 A DC
- 1.9 Insulation Resistance: ≥ 100 M Ω

Mechanical Performance

- 2.0 Mating Cycles: ≥ 25 Times
- 2.1 Mating Force: ≤ 75 N
- 2.2 Unmating Force: ≥ 2 N
- 2.3 Retention Force Housing: ≥ 110 N

A-ETH 2x3 Port Cable Connector Jack, Type A~ Type Z

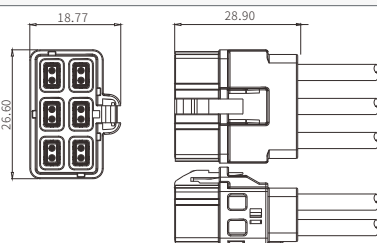
D/N: 600-29068-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818029066
B	Cream White	818029067
C	Signal Blue	-
D	Claret Violet	-
E	Leaf Green	-
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	-
K	Curry	-
L	Carmine Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818029068
Keying Code	Color	Part No.



Material

2.4 Cable: Φ3.8, Black
2.5 Insulator: LCP
2.6 Insulator Lock: LCP
2.7 Center Pin: Titanium Copper
2.8 Housing: Phosphorus Copper
2.9 Clip Material: Phosphorus Copper
3.0 Housing Body: Phosphorus Copper

3.1 Plastic Housing: PPO
3.2 CPA: PPO
3.3 Protegulum: PA66
3.4 Postperculum: PA66
3.5 Before Sealing Wall: Silicon Rubber
3.6 After Sealing Wall: Silicon Rubber

Electrical Performance

1.1 Impedance: 100Ω (500 ps @ 10%-90%)
1.2 Frequency Range: DC to 600MHz
1.3 Return Loss: ≤ -30 dB @ 0 ~ 190 MHz
≤ -20 + 20*log10 (freq in MHz/600) dB @ 190 MHz ~ 600MHz
1.4 Insertion Loss: ≥ -0.01*sqrt (freq in MHz) dB @ 0~ 600 MHz
1.5 Center Contact Resistance: ≤ 25 mΩ
1.6 Withstanding Voltage: 500V DC
1.7 Working Voltage: 12V DC
1.8 Current Rating: ≤ 1.5A DC
1.9 Insulation Resistance: ≥ 100MΩ

Mechanical Performance

2.0 Mating Cycles: ≥ 25Times
2.1 Mating Force: ≤ 75N
2.2 Unmating Force: ≥ 2 N
2.3 Rentention Force Housing: ≥ 110 N

T-ETH 5 Port Cable Connector Jack, Type A~ Type Z

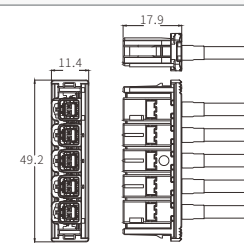
D/N: 600-31681-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818031681
B	Cream White	818031684
C	Signal Blue	818031685
D	Claret Violet	-
E	Leaf Green	-
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	818031686
K	Curry	-
L	Carmine Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818031687
Keying Code	Color	Part No.



Mechanical Performance

1.9 Durability Times Cycles: ≥ 20
2.0 Mating Force: ≤ 30 N
2.1 Device Terminal Retention Force: Terminal ≥ 15N
Shield ≥ 15N
2.2 Temperature Range: -40°C- +105°C

Material

2.3 Housing: PPO
2.4 Center Pin: Copper Alloy
2.5 Outer Contact: Copper Alloy
2.6 Insulator: PP

Electrical Performance

1.1 Impedance: 100Ω
1.2 Insertion Loss: ≥ 23 dB (DC~600Mhz)
≥ 20 dB (DC~600Mhz)
1.3 Insulation Resistance: ≥ 100MΩ
1.4 Center Contact Resistance: Signal 10mΩ max
Shield 40mΩ max
1.5 Withstand Voltage: 250V DC
1.6 Voltage Rating: 60V DC
1.7 Current Rating: 3A
1.8 Transmission Rate: 1000MHz

T-ETH 2x3 Port Cable Connector Jack, Type A~ Type Z

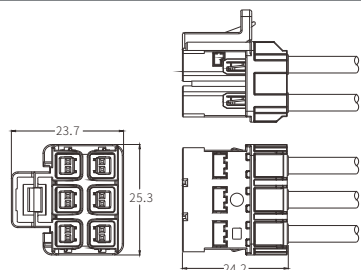
D/N: 600-27251-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818027251
B	Cream White	818027252
C	Signal Blue	818027253
D	Claret Violet	-
E	Leaf Green	-
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	818027254
K	Curry	-
L	Carmine Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818027255
Keying Code	Color	Part No.



Mechanical Performance

1.9 Durability Times Cycles: ≥ 20
2.0 Mating Force: ≤ 30 N
2.1 Device Terminal Retention Force: Terminal ≥ 15N
Shield ≥ 15N
2.2 Temperature Range: -40°C- +105°C

Material

2.3 Housing: PPO
2.4 Center Pin: Copper Alloy
2.5 Outer Contact: Copper Alloy
2.6 Insulator: PP

Electrical Performance

1.1 Impedance: 100Ω
1.2 Insertion Loss: ≥ 23 dB (DC~600Mhz)
≥ 20 dB (DC~600Mhz)
1.3 Insulation Resistance: ≥ 100MΩ
1.4 Center Contact Resistance: Signal 10mΩ max
Shield 40mΩ max
1.5 Withstand Voltage: 250V DC
1.6 Voltage Rating: 60V DC
1.7 Current Rating: 3A
1.8 Transmission Rate: 1000MHz

T-ETH 3 Port Cable Connector Jack, Type A~ Type Z

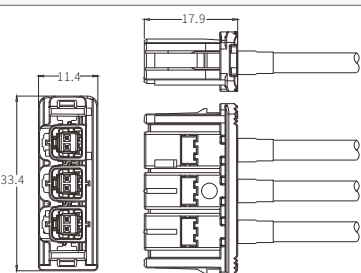
D/N: 600-25309-01

● Outline Dimensions

● Technology Parameters



A	Deep Black	818025309
B	Cream White	818025310
C	Signal Blue	818025311
D	Claret Violet	-
E	Leaf Green	-
F	Nut Brown	-
G	Blue Gray	-
H	Heather Violet	-
J	Beige	818025312
K	Curry	-
L	Carmine Red	-
M	Pastel Orange	-
N	Pastel Green	-
Z	Water Blue	818025313
Keying Code	Color	Part No.



Mechanical Performance

1.9 Durability Times Cycles: ≥ 20
2.0 Mating Force: ≤ 30 N
2.1 Device Terminal Retention Force: Terminal ≥ 15N
Shield ≥ 15N
2.2 Temperature Range: -40°C- +105°C

Material

2.3 Housing: PPO
2.4 Center Pin: Copper Alloy
2.5 Outer Contact: Copper Alloy
2.6 Insulator: PP

Electrical Performance

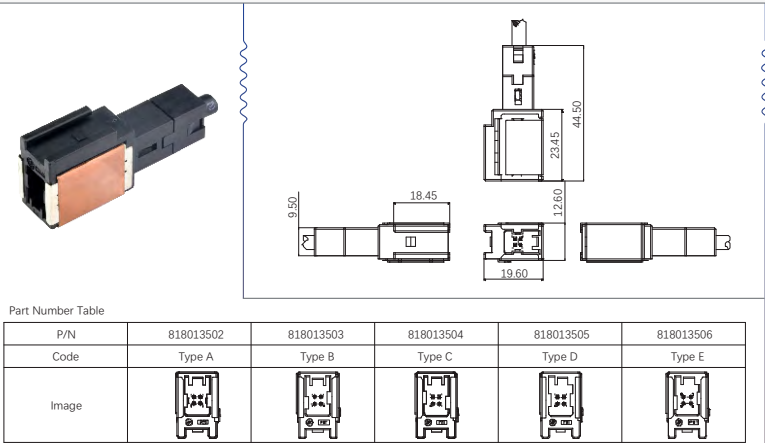
1.1 Impedance: 100Ω
1.2 Insertion Loss: ≥ 23 dB (DC~600Mhz)
≥ 20 dB (DC~600Mhz)
1.3 Insulation Resistance: ≥ 100MΩ
1.4 Center Contact Resistance: Signal 10mΩ max
Shield 40mΩ max
1.5 Withstand Voltage: 250V DC
1.6 Voltage Rating: 60V DC
1.7 Current Rating: 3A
1.8 Transmission Rate: 1000MHz

4 Pin, HSL Receptacle, V/A for Cable

D/N: 600-13502-01

● Outline Dimensions

● Technology Parameters



- Electrical Performance**
- 1.1 Impedance: 90 Ω
 - 1.2 LLCR: 30m ohms
 - 1.3 Contact Current: ≤ 2.5 A DC
- Mechanical Performance**
- 1.4 Mating Cycles: ≥20 Cycles
 - 1.5 Engagement Force: ≤ 60N
 - 1.6 Disengagement Force: ≤ 60 N
 - 1.7 Retention Force Latch: ≥ 98 N
 - 1.8 Temperature Range: -40 °C ~ +85 °C
- Materials**
- 1.9 Shield Shroud: Copper Alloy
 - 2.0 Base: PPA
 - 2.1 Contactor: Copper Alloy
 - 2.2 Cover: PBT
 - 2.3 Intershield: Copper Alloy
 - 2.4 Intershield Cover: Copper Alloy
 - 2.5 Terminal: Copper Alloy
 - 2.6 Base: PBT
 - 2.7 Fiol: Copper Alloy

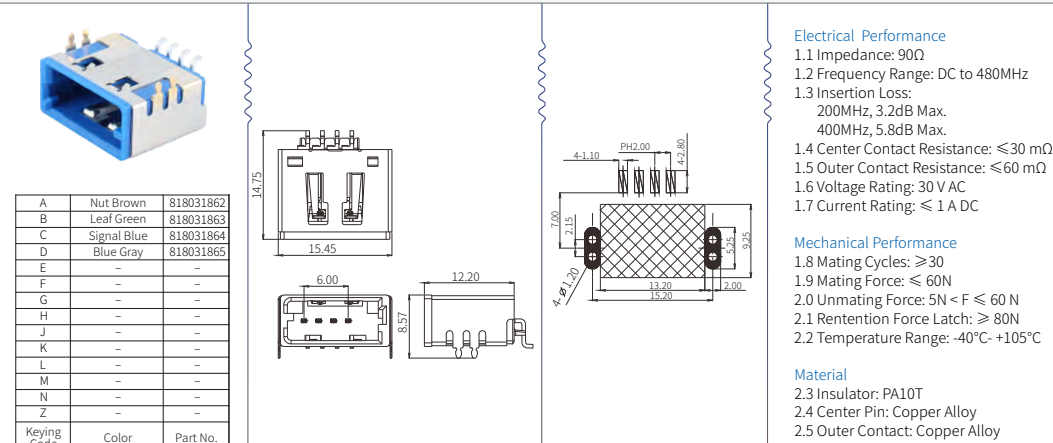
4 Pin R/A Connector, L=14.75mm, W15.45mm, H8.57mm, Type A~ Type D

D/N: 600-31862-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



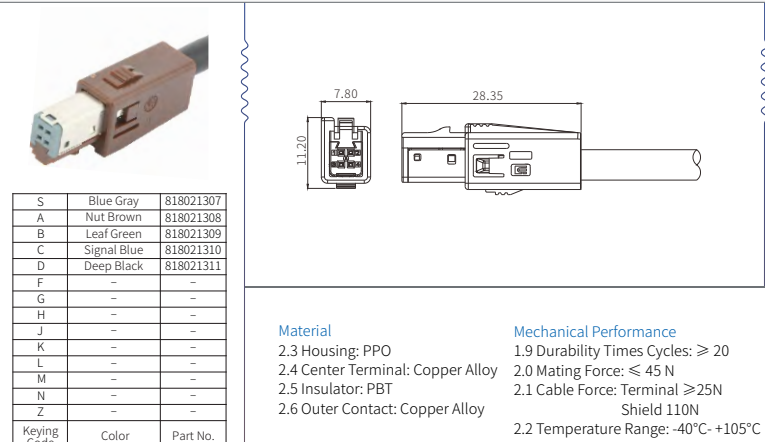
- Electrical Performance**
- 1.1 Impedance: 90Ω
 - 1.2 Frequency Range: DC to 480MHz
 - 1.3 Insertion Loss:
 - 200MHz, 3.2dB Max.
 - 400MHz, 5.8dB Max.
 - 1.4 Center Contact Resistance: ≤30 mΩ
 - 1.5 Outer Contact Resistance: ≤60 mΩ
 - 1.6 Voltage Rating: 30 V AC
 - 1.7 Current Rating: ≤ 1 A DC
- Mechanical Performance**
- 1.8 Mating Cycles: ≥30
 - 1.9 Mating Force: ≤ 60N
 - 2.0 Unmating Force: 5N < F ≤ 60 N
 - 2.1 Retention Force Latch: ≥ 80N
 - 2.2 Temperature Range: -40°C ~ +105°C
- Material**
- 2.3 Insulator: PA10T
 - 2.4 Center Pin: Copper Alloy
 - 2.5 Outer Contact: Copper Alloy

4 Pin Jack, L=28.35mm, W7.8mm, H11.2mm, Type S~ Type D

D/N: 600-21307-01

● Outline Dimensions

● Technology Parameters



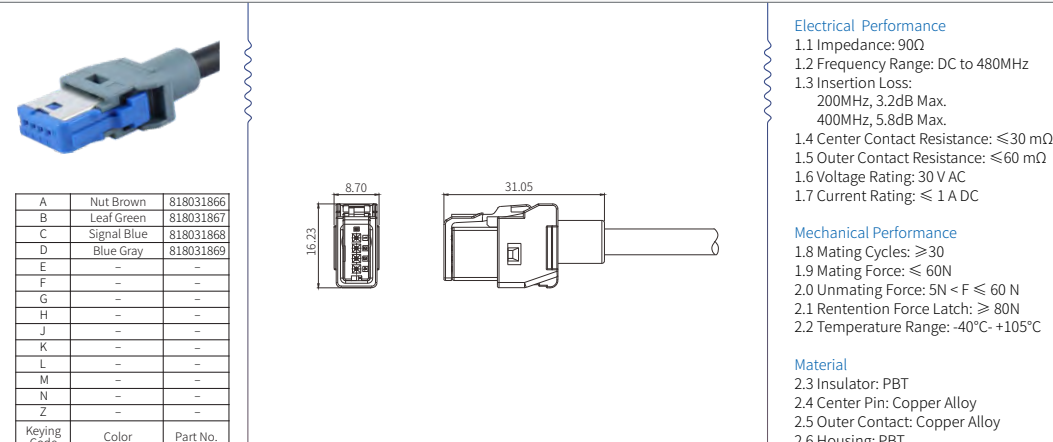
- Electrical Performance**
- 1.1 Impedance: 90Ω
 - 1.2 Insertion Loss:
 - ≤ -1.9 dB (100Mhz)
 - ≤ -3.2 dB (200Mhz)
 - ≤ -5.8 dB (400Mhz)
 - 1.3 Insulation Resistance: ≥ 100MΩ
 - 1.4 Center Contact Resistance:
 - Signal 30mΩ max
 - Shield 60mΩ max
 - 1.5 Withstand Voltage: 500V DC
 - 1.6 Voltage Rating: 30V DC
 - 1.7 Current Rating: 1A
 - 1.8 Transmission Rate: 480Mbps
- Material**
- 2.3 Housing: PPO
 - 2.4 Center Terminal: Copper Alloy
 - 2.5 Insulator: PBT
 - 2.6 Outer Contact: Copper Alloy
- Mechanical Performance**
- 1.9 Durability Times Cycles: ≥ 20
 - 2.0 Mating Force: ≤ 45 N
 - 2.1 Cable Force: Terminal ≥25N Shield 110N
 - 2.2 Temperature Range: -40°C ~ +105°C

4 Pin Connector Jack, L=31.05mm, W8.7mm, H16.23mm, Type A~ Type D

D/N: 600-31866-01

● Outline Dimensions

● Technology Parameters



- Electrical Performance**
- 1.1 Impedance: 90Ω
 - 1.2 Frequency Range: DC to 480MHz
 - 1.3 Insertion Loss:
 - 200MHz, 3.2dB Max.
 - 400MHz, 5.8dB Max.
 - 1.4 Center Contact Resistance: ≤30 mΩ
 - 1.5 Outer Contact Resistance: ≤60 mΩ
 - 1.6 Voltage Rating: 30 V AC
 - 1.7 Current Rating: ≤ 1 A DC
- Mechanical Performance**
- 1.8 Mating Cycles: ≥30
 - 1.9 Mating Force: ≤ 60N
 - 2.0 Unmating Force: 5N < F ≤ 60 N
 - 2.1 Retention Force Latch: ≥ 80N
 - 2.2 Temperature Range: -40°C ~ +105°C
- Material**
- 2.3 Insulator: PBT
 - 2.4 Center Pin: Copper Alloy
 - 2.5 Outer Contact: Copper Alloy
 - 2.6 Housing: PBT

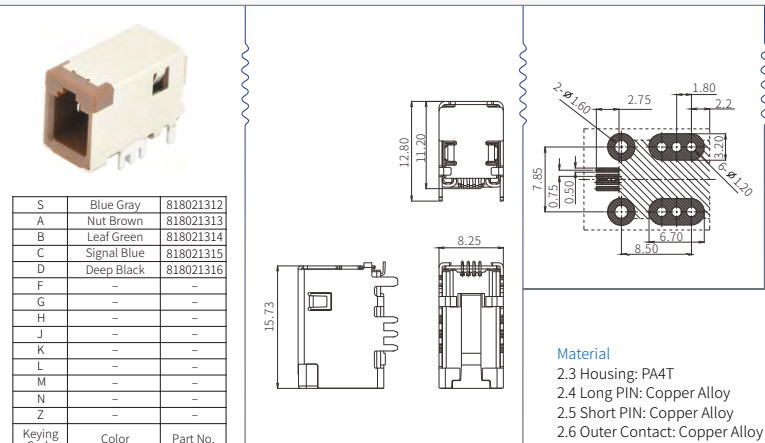
4 Pin R/A Connector, L=12.8mm, W8.3mm, H15.7mm, Type S~ Type D

D/N: 600-21312-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



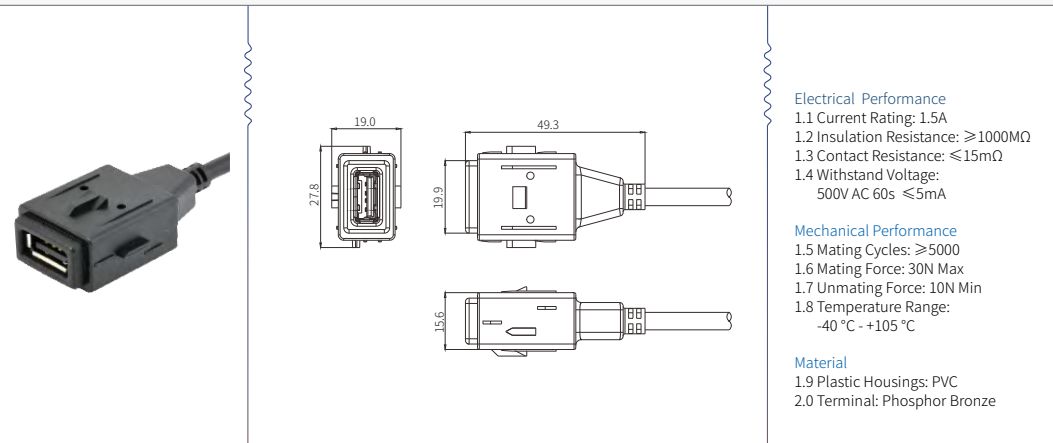
- Electrical Performance**
- 1.1 Impedance: 90Ω
 - 1.2 Insertion Loss:
 - ≤ -1.9 dB (100Mhz)
 - ≤ -3.2 dB (200Mhz)
 - ≤ -5.8 dB (400Mhz)
 - 1.3 Insulation Resistance: ≥ 100MΩ
 - 1.4 Center Contact Resistance:
 - Signal 30mΩ max
 - Shield 60mΩ max
 - 1.5 Withstand Voltage: 500V DC
 - 1.6 Voltage Rating: 30V DC
 - 1.7 Current Rating: 1A
 - 1.8 Transmission Rate: 480Mbps
- Mechanical Performance**
- 1.9 Durability Times Cycles: ≥ 20
 - 2.0 Mating Force: ≤ 45 N
 - 2.1 Cable Force: Terminal ≥25N Shield 110N
 - 2.2 Temperature Range: -40°C ~ +105°C
- Material**
- 2.3 Housing: PA4T
 - 2.4 Long PIN: Copper Alloy
 - 2.5 Short PIN: Copper Alloy
 - 2.6 Outer Contact: Copper Alloy

USB 2.0 A/F Connector, L = 49.3mm, W19mm, H27.8mm

D/N: 600-26499-01

● Outline Dimensions

● Technology Parameters



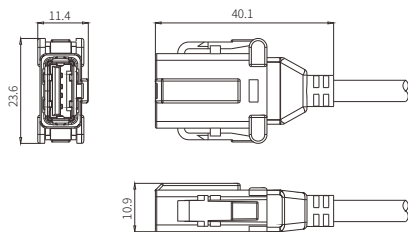
- Electrical Performance**
- 1.1 Current Rating: 1.5A
 - 1.2 Insulation Resistance: ≥1000MΩ
 - 1.3 Contact Resistance: ≤15mΩ
 - 1.4 Withstand Voltage: 500V AC 60s ≤5mA
- Mechanical Performance**
- 1.5 Mating Cycles: ≥5000
 - 1.6 Mating Force: 30N Max
 - 1.7 Unmating Force: 10N Min
 - 1.8 Temperature Range: -40 °C ~ +105 °C
- Material**
- 1.9 Plastic Housings: PVC
 - 2.0 Terminal: Phosphor Bronze

USB 2.0 A/F Connector, L = 40.1mm, W11.4mm, H23.6mm

D/N: 600-25090-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Current Rating: 1.5A
- 1.2 Insulation Resistance: $\geq 1000M\Omega$
- 1.3 Contact Resistance: $\leq 30m\Omega$
- 1.4 Withstand Voltage: 500V AC 60s $\leq 5mA$

Mechanical Performance

- 1.5 Mating Cycles: ≥ 5000
- 1.6 Mating Force: 30N Max
- 1.7 Unmating Force: 10N Min
- 1.8 Temperature Range: $-40^{\circ}C - +105^{\circ}C$

Material

- 1.9 Plastic Housings: PVC
- 2.0 Terminal: Phosphor Bronze

08

SMA/SSMA
MCX/MMCX
Connector Series



SMA PCB Connector, 1.2mm Thick PCB

D/N: 600-29084-01

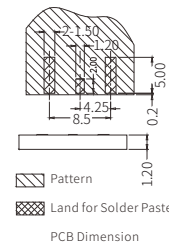
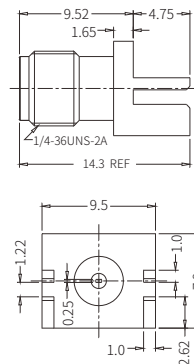
● Outline Dimensions

● PCB Layout

● Technology Parameters



THICK PCB	Part No.
1.2mm	818029084



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency: DC to 18 GHz
- 1.3 VSWR: ≤1.30
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤3 mΩ
- 1.6 Outer Contact Resistance: ≤2 mΩ
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: >5000MΩ

Mechanical Performance

- 1.9 Mechanical Durability: ≥500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: -65 °C ~ +165 °C

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA PCB Connector, 1.6mm Thick PCB

D/N: 600-16437-01

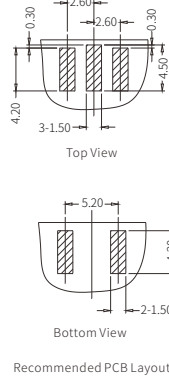
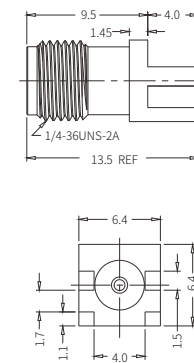
● Outline Dimensions

● PCB Layout

● Technology Parameters



THICK PCB	Part No.
1.6mm	818016437



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤1.50
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤3 mΩ
- 1.6 Outer Contact Resistance: ≤2 mΩ
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: >5000MΩ

Mechanical Performance

- 1.9 Mechanical Durability: ≥500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: -65 °C ~ +165 °C

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA PCB Connector, 2.0mm Thick PCB

D/N: 600-23094-01

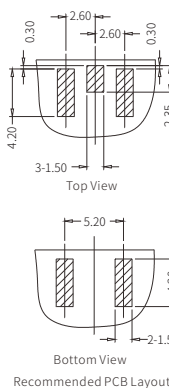
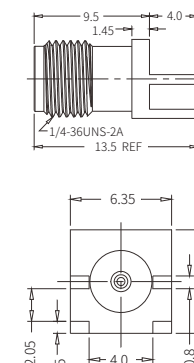
● Outline Dimensions

● PCB Layout

● Technology Parameters



THICK PCB	Part No.
2.0mm	818023094



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤1.50
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤3 mΩ
- 1.6 Outer Contact Resistance: ≤2 mΩ
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: >5000MΩ

Mechanical Performance

- 1.9 Mechanical Durability: ≥500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: -65 °C ~ +165 °C

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA PCB Connector, 2 Hole Flange Mount W/Spring PIN For Stripling

D/N: 600-18238-01

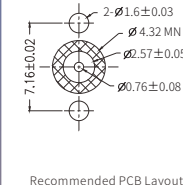
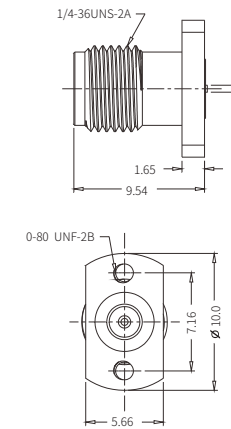
● Outline Dimensions

● PCB Layout

● Technology Parameters



PCB	Part No.
Mounting Screws	818018238



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency: DC to 10 GHz
- 1.3 VSWR: ≤1.30
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤3 mΩ
- 1.6 Outer Contact Resistance: ≤2 mΩ
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: >5000MΩ

Mechanical Performance

- 1.9 Mechanical Durability: ≥500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: -65 °C ~ +165 °C

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA PCB Connector, 2 Hole Flange With Mounting Screws

D/N: 600-35797-01

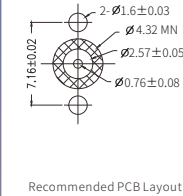
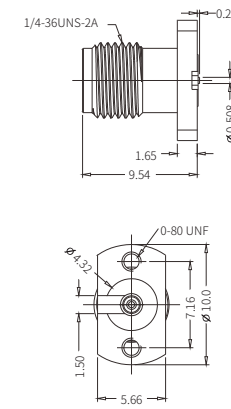
● Outline Dimensions

● PCB Layout

● Technology Parameters



PCB	Part No.
Mounting Screws	818035797



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency: DC to 10 GHz
- 1.3 VSWR: ≤1.30
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤3 mΩ
- 1.6 Outer Contact Resistance: ≤2 mΩ
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: >5000MΩ

Mechanical Performance

- 1.9 Mechanical Durability: ≥500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: -65 °C ~ +165 °C

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA PCB Connector, 2 Hole Flange With Mounting Screws

D/N: 600-35798-01

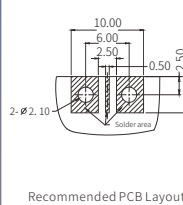
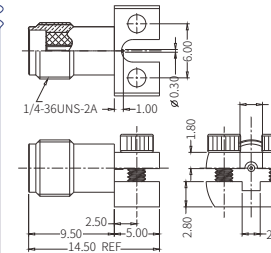
● Outline Dimensions

● PCB Layout

● Technology Parameters



PCB	Part No.
Mounting Screws	818035798



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency: DC to 10 GHz
- 1.3 VSWR: ≤1.30
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤3 mΩ
- 1.6 Outer Contact Resistance: ≤2 mΩ
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: >5000MΩ

Mechanical Performance

- 1.9 Mechanical Durability: ≥500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: -65 °C ~ +165 °C

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA PCB Connector, PCB End Launch

D/N: 600-24924-01

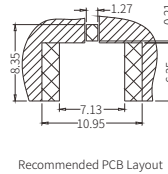
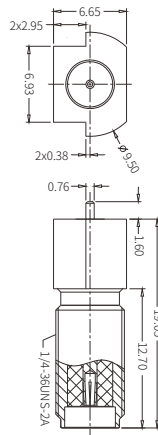
● Outline Dimensions

● PCB Layout

● Technology Parameters



PCB	Part No.
End Launch	818024924



Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency: DC to 18 GHz
- 1.3 VSWR: ≤ 1.30
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Center Contact Resistance: $\leq 3 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 2 \text{ m}\Omega$
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: $>5000 \text{ M}\Omega$

Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: $-65^\circ\text{C} \sim +165^\circ\text{C}$

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA Jack for PCB Connector, PCB Through Hole

D/N: 600-02778-01

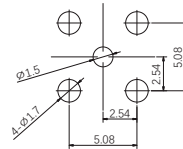
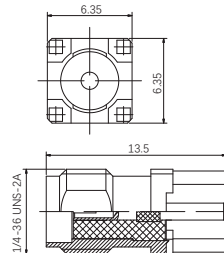
● Outline Dimensions

● PCB Layout

● Technology Parameters



PCB	Part No.
Through Hole	818002778



Electrical Performance

- 1.1 Impedance: 50Ω
- 1.2 Insulation Resistance: $\geq 5000 \text{ M}\Omega$
- 1.3 Contact Resistance: Center Contact: $2 \text{ m}\Omega$ Max
- 1.4 The test voltage: 1000V rms

Mechanical Performance

- 1.5 Mechanical Durability: ≥ 500 Cycles
- 1.6 Operation Temperature: $-40^\circ\text{C} \sim +105^\circ\text{C}$

Materials

- 1.7 Outside Shielding Shell: Zinc Alloy
- 1.8 Insulator: PTFE
- 1.9 Center Contact: Copper Alloy

SMA PCB Connector, PCB Through Hole

D/N: 600-16386-01

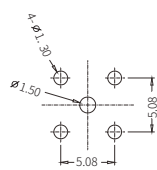
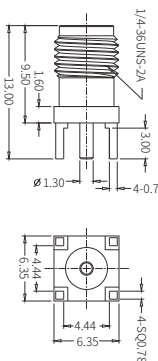
● Outline Dimensions

● PCB Layout

● Technology Parameters



PCB	Part No.
Through Hole	818016386



Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤ 1.30
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Center Contact Resistance: $\leq 3 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 2 \text{ m}\Omega$
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: $>5000 \text{ M}\Omega$

Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: $-65^\circ\text{C} \sim +165^\circ\text{C}$

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA PCB Connector, PCB Through Hole

D/N: 600-U245-01

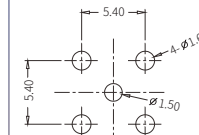
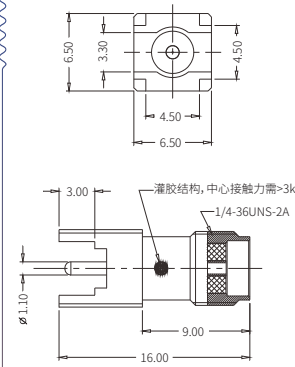
● Outline Dimensions

● PCB Layout

● Technology Parameters



PCB	Part No.
Through Hole	81800U245



Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤ 1.30
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Center Contact Resistance: $\leq 3 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 2 \text{ m}\Omega$
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: $>5000 \text{ M}\Omega$

Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: $-65^\circ\text{C} \sim +165^\circ\text{C}$

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA PCB Connector, PCB Through Hole

D/N: 600-2020-01

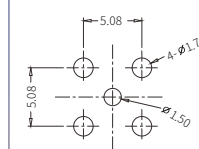
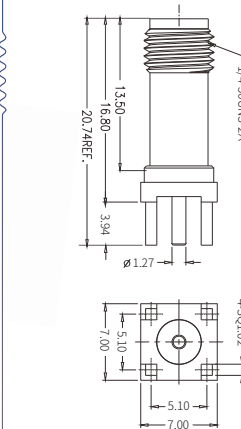
● Outline Dimensions

● PCB Layout

● Technology Parameters



PCB	Part No.
Through Hole	818002020



Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤ 1.4
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Center Contact Resistance: $\leq 3 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 2 \text{ m}\Omega$
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: $>5000 \text{ M}\Omega$

Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: $-65^\circ\text{C} \sim +165^\circ\text{C}$

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA PCB Connector, PCB Through Hole

D/N: 600-18727-01

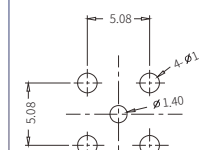
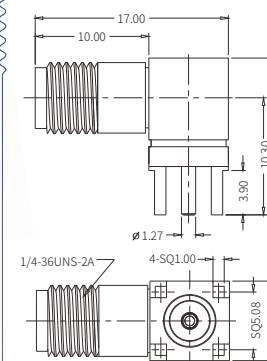
● Outline Dimensions

● PCB Layout

● Technology Parameters



PCB	Part No.
Through Hole	818018727



Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤ 1.35
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Center Contact Resistance: $\leq 3 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 2 \text{ m}\Omega$
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: $>5000 \text{ M}\Omega$

Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature: $-65^\circ\text{C} \sim +165^\circ\text{C}$

Materials

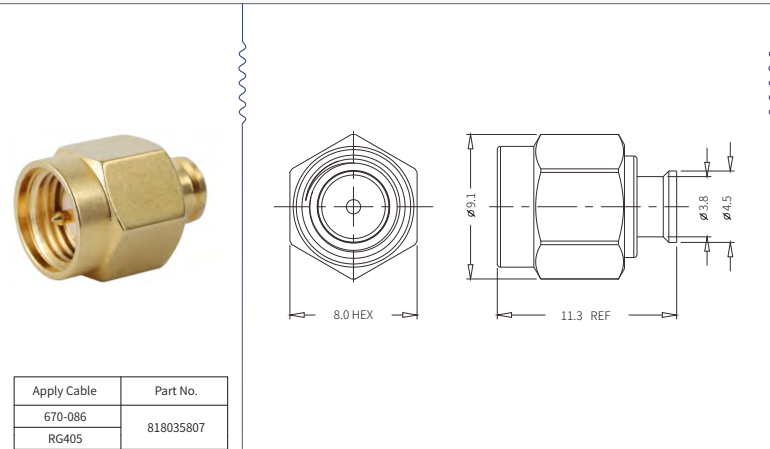
- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA Cable Connector, 086, RG405

D/N: 600-35807-01

● Outline Dimensions

● Technology Parameters



Electrical Performance
1.1 Impedance: 50Ω +/-50
1.2 Frequency: DC to 9 GHz
1.3 VSWR: ≤1.50
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤3 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +105 °C

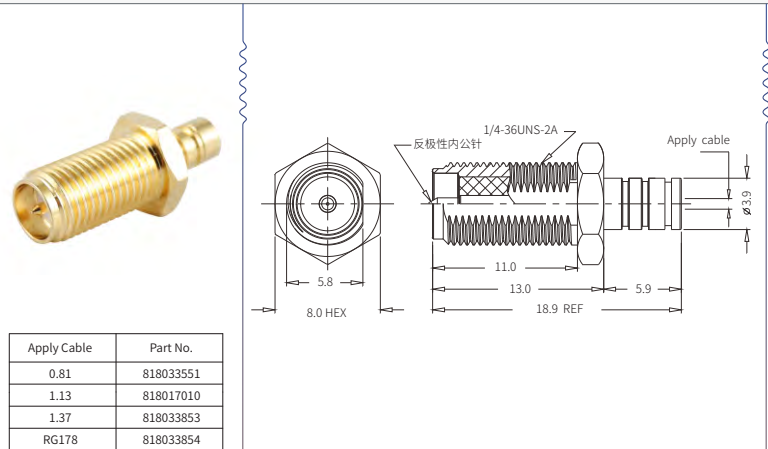
Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Brass C3604

SMA Cable Connector, 0.81, 1.13, 1.37, RG178

D/N: 600-33551-01

● Outline Dimensions

● Technology Parameters



Electrical Performance
1.1 Impedance: 50Ω +/-50
1.2 Frequency: DC to 9 GHz
1.3 VSWR: ≤1.50
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤3 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +105 °C

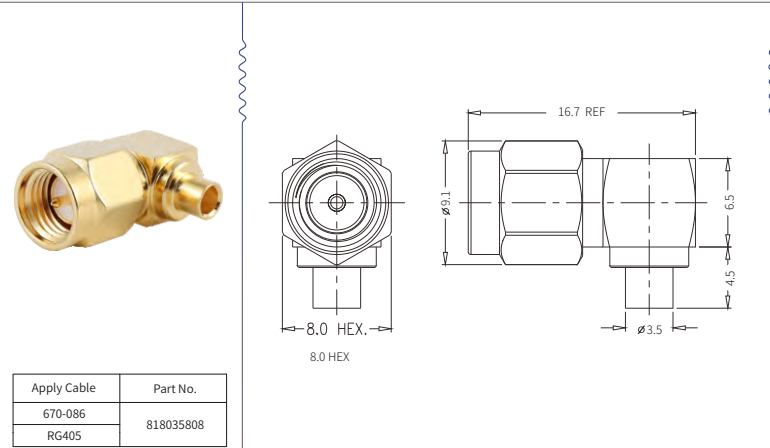
Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Brass C3604

SMA Cable Connector, 086, RG405

D/N: 600-35808-01

● Outline Dimensions

● Technology Parameters



Electrical Performance
1.1 Impedance: 50Ω +/-50
1.2 Frequency: DC to 9 GHz
1.3 VSWR: ≤1.50
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤3 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +105 °C

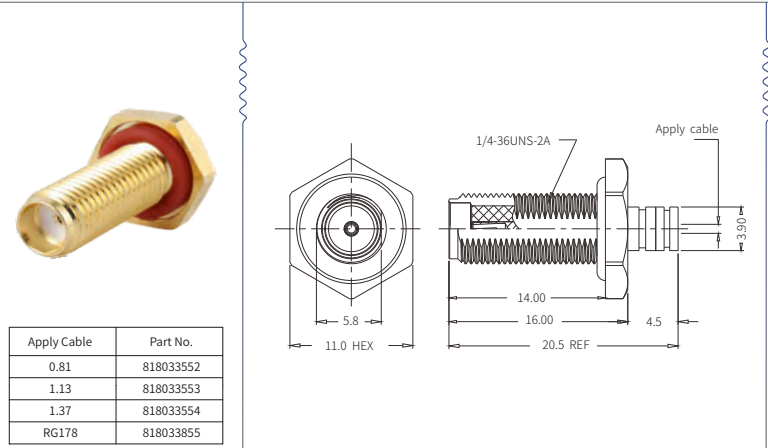
Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Brass C3604

SMA Cable Connector, Waterproof, 0.81, 1.13, 1.37, RG178

D/N: 600-33552-01

● Outline Dimensions

● Technology Parameters



Electrical Performance
1.1 Impedance: 50Ω +/-50
1.2 Frequency: DC to 9 GHz
1.3 VSWR: ≤1.50
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤3 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +105 °C
2.3 Waterproof Grade: IP67

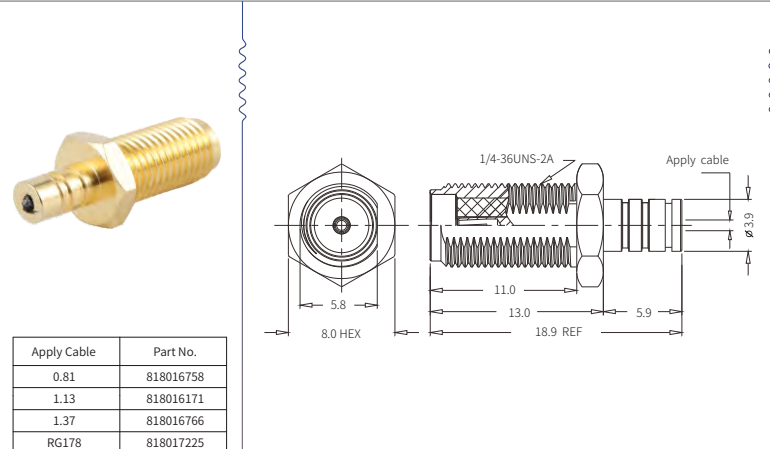
Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Beryllium Copper

SMA Cable Connector, 0.81, 1.13, 1.37, RG178

D/N: 600-16758-01

● Outline Dimensions

● Technology Parameters



Electrical Performance
1.1 Impedance: 50Ω +/-50
1.2 Frequency: DC to 9 GHz
1.3 VSWR: ≤1.50
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤3 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +105 °C

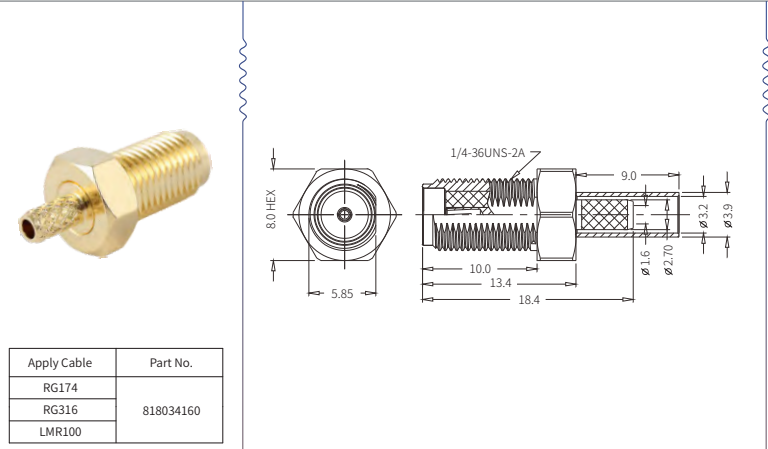
Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Beryllium Copper

SMA Cable Connector, RG174, RG316, LMR100

D/N: 600-34160-01

● Outline Dimensions

● Technology Parameters



Electrical Performance
1.1 Impedance: 50Ω +/-50
1.2 Frequency: DC to 9 GHz
1.3 VSWR: ≤1.30
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤3 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +105 °C

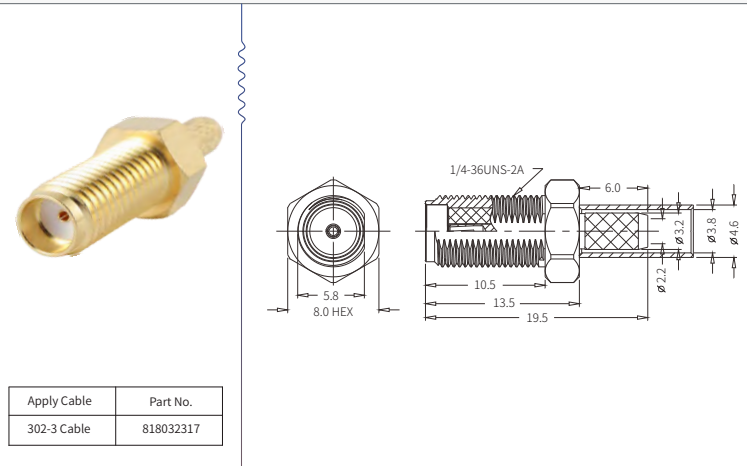
Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Beryllium Copper

SMA Cable Connector, 302-3

D/N: 600-32317-01

● Outline Dimensions

● Technology Parameters



- Electrical Performance**
- 1.1 Impedance: 50Ω +/-5Ω
 - 1.2 Frequency: DC to 9 GHz
 - 1.3 VSWR: ≤1.30
 - 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.5 Center Contact Resistance: ≤3 mΩ
 - 1.6 Outer Contact Resistance: ≤2 mΩ
 - 1.7 Voltage Rating: 335 V DC
 - 1.8 Insulation Resistance: >5000MΩ

- Mechanical Performance**
- 1.9 Mechanical Durability: ≥500
 - 2.0 Coupling Mechanism: Threaded
 - 2.1 Interface Specification: MIL-STD-348
 - 2.2 Operation Temperature: -40 °C - +105 °C

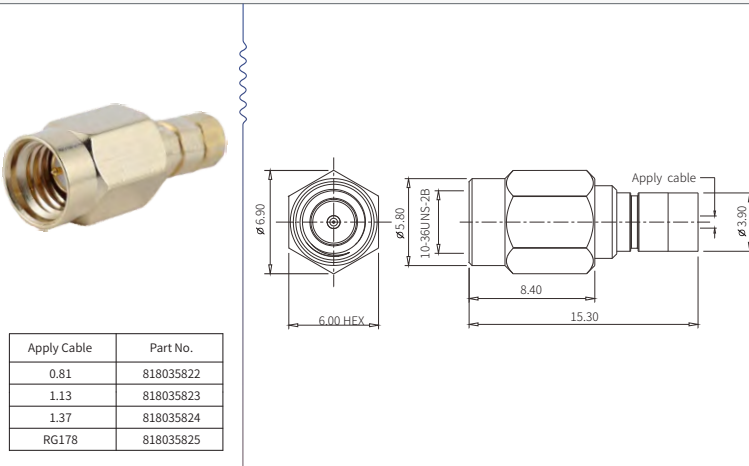
- Materials**
- 2.3 Body: Brass C3604
 - 2.4 Insulator: PTFE
 - 2.5 Center Contact: Beryllium Copper

SMA Cable Connector, 0.81, 1.13, 1.37, RG178

D/N: 600-35822-01

● Outline Dimensions

● Technology Parameters



- Electrical Performance**
- 1.1 Impedance: 50Ω +/-5Ω
 - 1.2 Frequency: DC to 9 GHz
 - 1.3 VSWR: ≤1.50
 - 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.5 Center Contact Resistance: ≤4 mΩ
 - 1.6 Outer Contact Resistance: ≤2 mΩ
 - 1.7 Voltage Rating: 335 V DC
 - 1.8 Insulation Resistance: >5000MΩ

- Mechanical Performance**
- 1.9 Mechanical Durability: ≥500
 - 2.0 Coupling Mechanism: Threaded
 - 2.1 Interface Specification: MIL-STD-348
 - 2.2 Operation Temperature: -40 °C - +85 °C

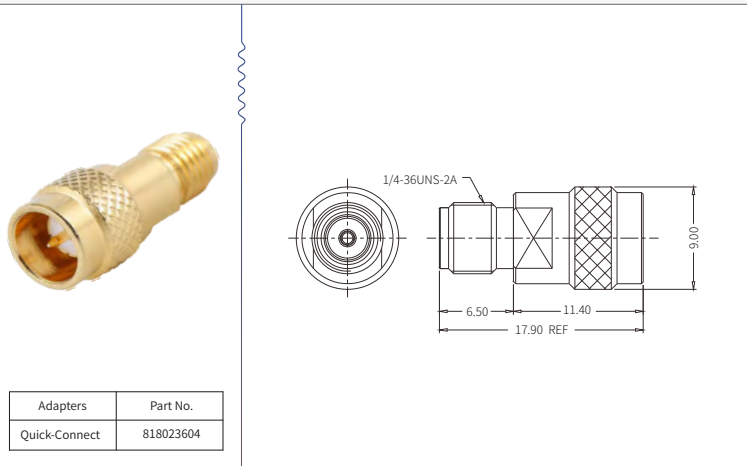
- Materials**
- 2.3 Body: Brass C3604
 - 2.4 Insulator: PTFE
 - 2.5 Center Contact: Brass C3604

SMA Female to SMA Male Adapters(Quick-Connect)

D/N: 600-23604-01

● Outline Dimensions

● Technology Parameters



- Electrical Performance**
- 1.1 Impedance: 50Ω +/-5Ω
 - 1.2 Frequency: DC to 9 GHz
 - 1.3 VSWR: ≤1.15
 - 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.5 Center Contact Resistance: ≤3 mΩ
 - 1.6 Outer Contact Resistance: ≤2 mΩ
 - 1.7 Voltage Rating: 335 V DC
 - 1.8 Insulation Resistance: >5000MΩ

- Mechanical Performance**
- 1.9 Mechanical Durability: ≥500
 - 2.0 Coupling Mechanism: Threaded
 - 2.1 Interface Specification: MIL-STD-348
 - 2.2 Operation Temperature: -40 °C - +105 °C

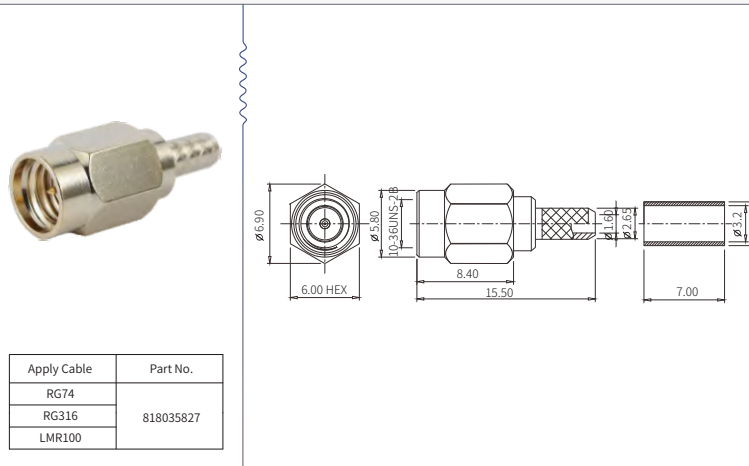
- Materials**
- 2.3 Body: Brass C3604
 - 2.4 Insulator: PTFE
 - 2.5 Center Contact: Beryllium Copper

SSMA Cable Connector, RG174, RG316, LMR100

D/N: 600-35827-01

● Outline Dimensions

● Technology Parameters



- Electrical Performance**
- 1.1 Impedance: 50Ω +/-5Ω
 - 1.2 Frequency: DC to 6 GHz
 - 1.3 VSWR: ≤1.50
 - 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.5 Center Contact Resistance: ≤4 mΩ
 - 1.6 Outer Contact Resistance: ≤2 mΩ
 - 1.7 Voltage Rating: 335 V DC
 - 1.8 Insulation Resistance: >5000MΩ

- Mechanical Performance**
- 1.9 Mechanical Durability: ≥500
 - 2.0 Coupling Mechanism: Threaded
 - 2.1 Interface Specification: MIL-STD-348
 - 2.2 Operation Temperature: -40 °C - +85 °C

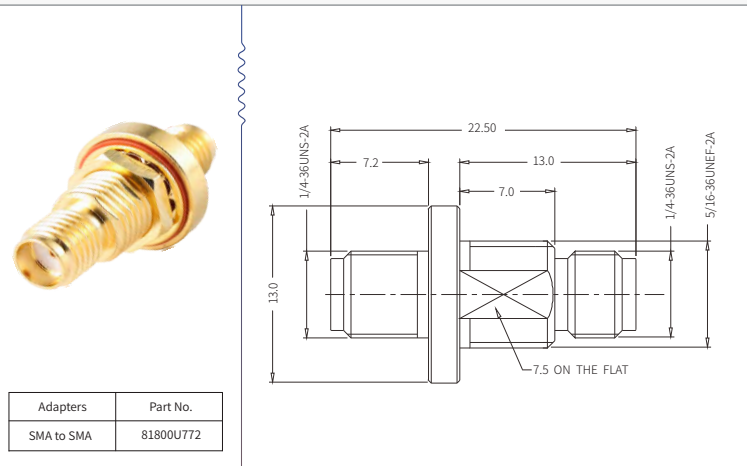
- Materials**
- 2.3 Body: Brass C3604
 - 2.4 Insulator: PTFE
 - 2.5 Center Contact: Brass C3604

SMA Female to SMA Female Adapters

D/N: 600-U772-01

● Outline Dimensions

● Technology Parameters



- Electrical Performance**
- 1.1 Impedance: 50Ω +/-5Ω
 - 1.2 Frequency: DC to 18GHz
 - 1.3 VSWR: ≤1.25
 - 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.5 Center Contact Resistance: ≤3 mΩ
 - 1.6 Outer Contact Resistance: ≤2 mΩ
 - 1.7 Voltage Rating: 335 V DC
 - 1.8 Insulation Resistance: >5000MΩ

- Mechanical Performance**
- 1.9 Mechanical Durability: ≥500
 - 2.0 Coupling Mechanism: Threaded
 - 2.1 Interface Specification: MIL-STD-348
 - 2.2 Operation Temperature: -40 °C - +105 °C

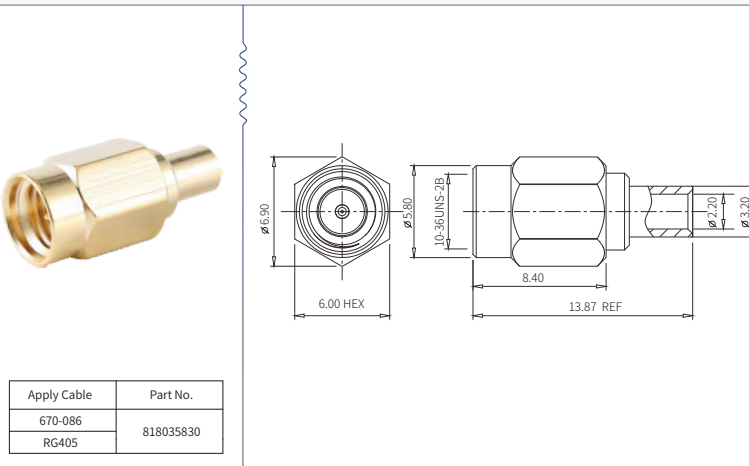
- Materials**
- 2.3 Body: Brass C3604
 - 2.4 Insulator: PTFE
 - 2.5 Center Contact: Beryllium Copper

SSMA Cable Connector, 086, RG405

D/N: 600-35830-01

● Outline Dimensions

● Technology Parameters



- Electrical Performance**
- 1.1 Impedance: 50Ω +/-5Ω
 - 1.2 Frequency: DC to 9 GHz
 - 1.3 VSWR: ≤1.50
 - 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.5 Center Contact Resistance: ≤4 mΩ
 - 1.6 Outer Contact Resistance: ≤2 mΩ
 - 1.7 Voltage Rating: 335 V DC
 - 1.8 Insulation Resistance: >5000MΩ

- Mechanical Performance**
- 1.9 Mechanical Durability: ≥500
 - 2.0 Coupling Mechanism: Threaded
 - 2.1 Interface Specification: MIL-STD-348
 - 2.2 Operation Temperature: -40 °C - +85 °C

- Materials**
- 2.3 Body: Brass C3604
 - 2.4 Insulator: PTFE
 - 2.5 Center Contact: Brass C3604

SSMA Cable Connector, 0.81, 1.13, 1.37, RG178

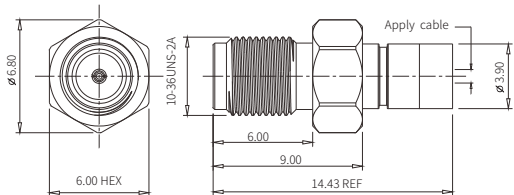
D/N: 600-35818-01

● Outline Dimensions

● Technology Parameters



Apply Cable	Part No.
0.81	818035818
1.13	818035819
1.37	818035820
RG178	818035821



Electrical Performance
1.1 Impedance: 50Ω +/-5Ω
1.2 Frequency: DC to 9 GHz
1.3 VSWR: ≤1.50
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤4 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +85 °C

Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Beryllium Copper

SSMA Cable Connector, 086, RG405

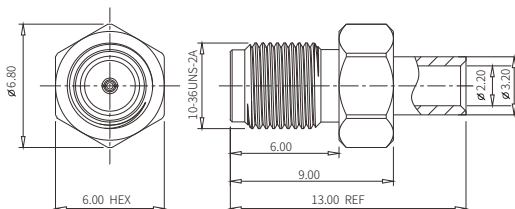
D/N: 600-35829-01

● Outline Dimensions

● Technology Parameters



Apply Cable	Part No.
670-086	818035829
RG405	



Electrical Performance
1.1 Impedance: 50Ω +/-5Ω
1.2 Frequency: DC to 9 GHz
1.3 VSWR: ≤1.50
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤4 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +85 °C

Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Phosphor Bronze C5440

SSMA Cable Connector, RG174, RG316, LMR100

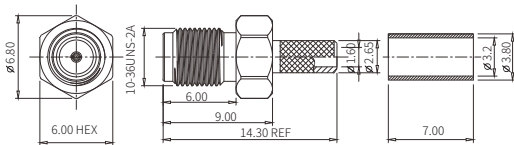
D/N: 600-35826-01

● Outline Dimensions

● Technology Parameters



Apply Cable	Part No.
RG174	818035826-01
RG316	
LMR100	



Electrical Performance
1.1 Impedance: 50Ω +/-5Ω
1.2 Frequency: DC to 6 GHz
1.3 VSWR: ≤1.50
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤4 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +85 °C

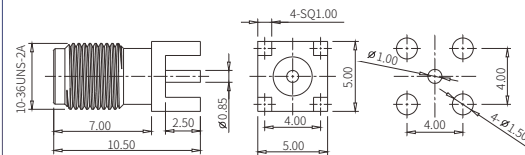
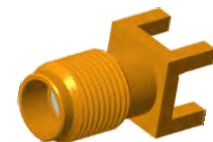
Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Phosphor Bronze C5440

SSMA PCB Connector, PCB Through Hole

D/N: 600-32500-01

● Outline Dimensions

● Technology Parameters



Electrical Performance
1.1 Impedance: 50Ω +/-5Ω
1.2 Frequency: DC to 6 GHz
1.3 VSWR: ≤1.50
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤4 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +85 °C

Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Phosphor Bronze C5440

SSMA Cable Connector, RG174, RG316, LMR100

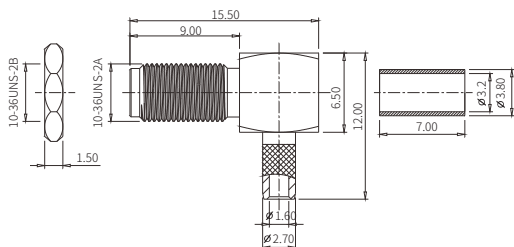
D/N: 600-35828-01

● Outline Dimensions

● Technology Parameters



Apply Cable	Part No.
RG174	818035828-01
RG316	
LMR100	



Electrical Performance
1.1 Impedance: 50Ω +/-5Ω
1.2 Frequency: DC to 6 GHz
1.3 VSWR: ≤1.50
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤4 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +85 °C

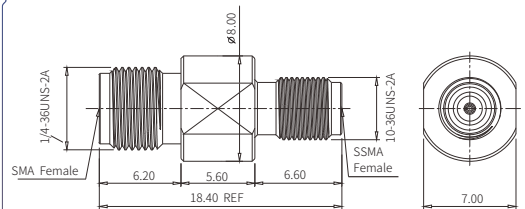
Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Brass C3604

SMA Female to SSMA Female Adapters

D/N: 600-35831-01

● Outline Dimensions

● Technology Parameters



Electrical Performance
1.1 Impedance: 50Ω +/-5Ω
1.2 Frequency: DC to 18 GHz
1.3 VSWR: ≤1.30
1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
1.5 Center Contact Resistance: ≤4 mΩ
1.6 Outer Contact Resistance: ≤2 mΩ
1.7 Voltage Rating: 335 V DC
1.8 Insulation Resistance: >5000MΩ

Mechanical Performance
1.9 Mechanical Durability: ≥500
2.0 Coupling Mechanism: Threaded
2.1 Interface Specification: MIL-STD-348
2.2 Operation Temperature: -40 °C - +85 °C

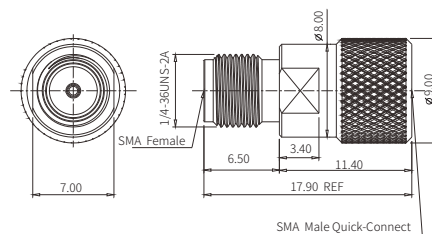
Materials
2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Beryllium Copper

SMA Female to SSMA Male Adapters(Quick-Connect)

D/N: 600-35832-01

Outline Dimensions

Technology Parameters



Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency: DC to 18 GHz
- 1.3 VSWR: ≤1.50
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤4 mΩ
- 1.6 Outer Contact Resistance: ≤2 mΩ
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: >5000MΩ

Mechanical Performance

- 2.0 Coupling Mechanism: Threaded
- 2.1 Interface Specification: MIL-STD-348
- 2.2 Operation Temperature:
-40 °C - +85 °C

Materials

- 2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Beryllium Copper

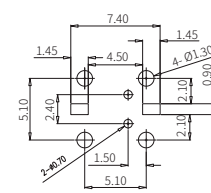
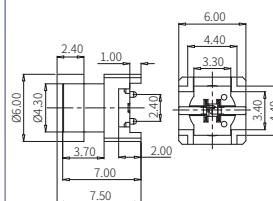
MCX RF SWITCH Connector, V/T with Switch

D/N: 600-11066-01

Outline Dimensions

- PCB Layout

- Technology Parameters



Recommended PCB Layout
Tolerance $\pm 0.05\text{mm}$, PCB (T=1.6mm)

- 1.1 Frequency Range:
DC~3GHz
- 1.2 Operating Humidity:
35%~85%R.H
- 1.3 Operation Temperature:
-40°C ~ +85°C
- 1.4 Impedance: 50Ω
- 1.5 Voltage Standing Wave Ratio:
1.3 Max (DC~3GHz)
- 1.6 Insertion Loss:
-0.5dB Max (DC~3GHz)
- 1.7 Voltage Rating:
250VAC (R.M.S)
- 1.8 Insulation Resistance:
5000MΩ
- 1.9 Withstanding Voltage:
1000V AC/60s

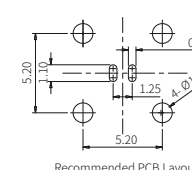
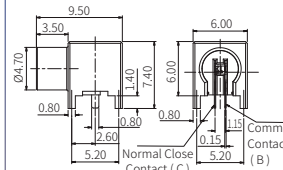
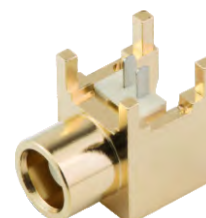
MCX RF SWITCH Connector, R/A with Switch

D/N: 600-12238-01

Outline Dimensions

- PCB Layout

- Technology Parameters



Recommended PCB Layout
Tolerance $\pm 0.05\text{mm}$ PCB

- 1.1 Frequency Range:
DC~3GHz
- 1.2 Operating Humidity:
35%~85%R.H
- 1.3 Operation Temperature:
-40°C ~ +85°C
- 1.4 Impedance: 50Ω
- 1.5 Voltage Standing Wave Ratio:
1.5 Max (DC~3GHz)
- 1.6 Insertion Loss:
-0.5dB Max (DC~3GHz)
- 1.7 Isolation:
-10dB Min (DC~6GHz)
- 1.8 Voltage Rating:
250VAC (R.M.S)
- 1.9 Insulation Resistance:
5000MΩ
- 2.0 Withstanding Voltage:
1000V AC/60s

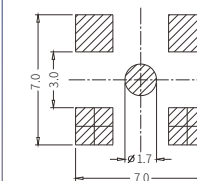
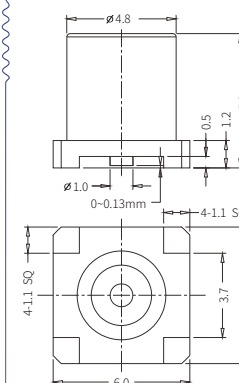
MCX PCB Connector, PCB Surface Mount

D/N: 600-17648-01

Outline Dimensions

- PCB Layout

- Technology Parameters



Recommended PCB Layout
Tolerance ± 0.05 (Top View)

- ### Electrical Performance

- 1.1 Impedance: 50Ω +/-5Ω
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤1.30
- 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
- 1.5 Center Contact Resistance: ≤5 mΩ
- 1.6 Outer Contact Resistance: ≤1 mΩ
- 1.7 Voltage Rating: 225 V DC
- 1.8 Insulation Resistance: >1000MΩ

Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
2.0 Coupling Mechanism: Push-On
2.1 Interface Specification: CECC 22220
2.2 Operation Temperature:
-65 °C - +165 °C

Materials

- 2.3 Body: Brass C3604
2.4 Insulator: PTFE
2.5 Center Contact: Beryllium Copper

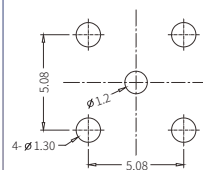
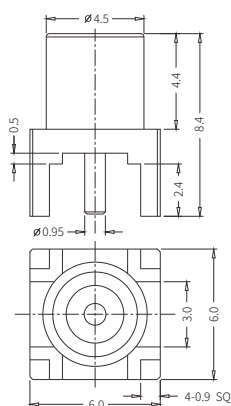
MCX PCB Connector, PCB Through Hole

D/N: 600-17938-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Recommended PCB Layout
Tolerance ± 0.05 (Top View)

Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤ 1.30
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Center Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 1 \text{ m}\Omega$
- 1.7 Voltage Rating: 225 V DC
- 1.8 Insulation Resistance: $>1000 \text{ M}\Omega$

Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
- 2.0 Coupling Mechanism: Push-On
- 2.1 Interface Specification: CECC 22220
- 2.2 Operation Temperature: $-65^\circ\text{C} - +165^\circ\text{C}$

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

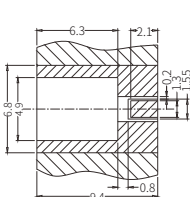
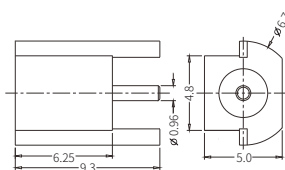
MCX PCB Connector, PCB Surface Mount

D/N: 600-25236-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Recommended PCB Layout
Tolerance ± 0.05 (Top View)

Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤ 1.50
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Center Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 1 \text{ m}\Omega$
- 1.7 Voltage Rating: 225 V DC
- 1.8 Insulation Resistance: $>1000 \text{ M}\Omega$

Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
- 2.0 Coupling Mechanism: Push-On
- 2.1 Interface Specification: CECC 22220
- 2.2 Operation Temperature: $-65^\circ\text{C} - +165^\circ\text{C}$

Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

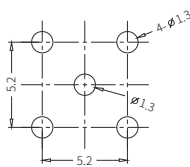
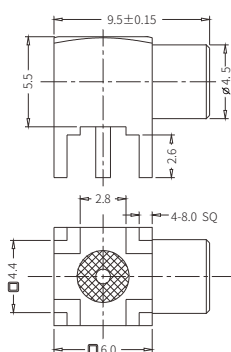
MCX PCB Connector, PCB Through Hole

D/N: 600-23436-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Recommended PCB Layout
Tolerance ± 0.05 (Top View)

Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤ 1.50
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Center Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 1 \text{ m}\Omega$
- 1.7 Voltage Rating: 225 V DC
- 1.8 Insulation Resistance: $>1000 \text{ M}\Omega$

Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
- 2.0 Coupling Mechanism: Push-On
- 2.1 Interface Specification: CECC 22220
- 2.2 Operation Temperature: $-65^\circ\text{C} - +165^\circ\text{C}$

Materials

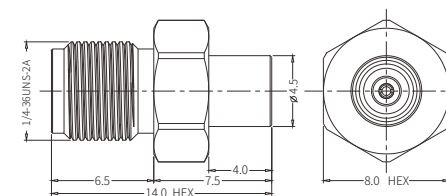
- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA Female to MCX Female Adapters

D/N: 600-35937-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤ 1.30
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Center Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 1 \text{ m}\Omega$
- 1.7 Voltage Rating: 225 V DC
- 1.8 Insulation Resistance: $>1000 \text{ M}\Omega$

Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
- 2.0 Coupling Mechanism: Push-On
- 2.1 Interface Specification: CECC 22220
- 2.2 Operation Temperature: $-65^\circ\text{C} - +165^\circ\text{C}$

Materials

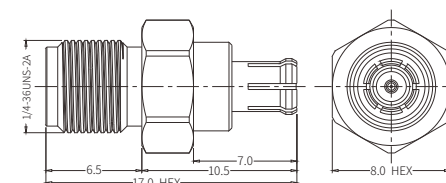
- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

SMA Female to MCX Male Adapters

D/N: 600-35938-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency: DC to 6 GHz
- 1.3 VSWR: ≤ 1.30
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
- 1.5 Center Contact Resistance: $\leq 5 \text{ m}\Omega$
- 1.6 Outer Contact Resistance: $\leq 1 \text{ m}\Omega$
- 1.7 Voltage Rating: 225 V DC
- 1.8 Insulation Resistance: $>1000 \text{ M}\Omega$

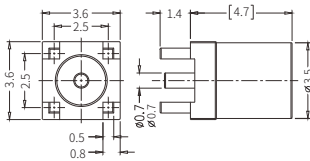
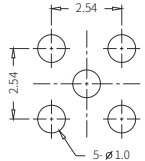
Mechanical Performance

- 1.9 Mechanical Durability: ≥ 500
- 2.0 Coupling Mechanism: Push-On
- 2.1 Interface Specification: CECC 22220
- 2.2 Operation Temperature: $-65^\circ\text{C} - +165^\circ\text{C}$

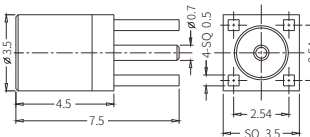
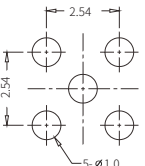
Materials

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Contact: Beryllium Copper

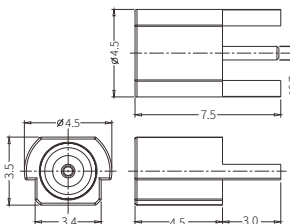
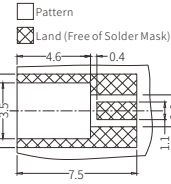
MMCX PCB Connector, PCB Through Hole

D/N: 600-14219-01	Outline Dimensions	PCB Layout	Technology Parameters
		 Recommended PCB Layout Tolerance ±0.05 (Top View)	Electrical Performance 1.1 Impedance: 50Ω +/-5Ω 1.2 Frequency: DC to 6 GHz 1.3 VSWR: ≤1.50 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB 1.5 Center Contact Resistance: ≤10 mΩ 1.6 Outer Contact Resistance: ≤5 mΩ 1.7 Voltage Rating: 170 V DC 1.8 Insulation Resistance: >500MΩ Mechanical Performance 1.9 Mechanical Durability: ≥500 2.0 Coupling Mechanism: Push-On 2.1 Interface Specification: CECC 22220 2.2 Operation Temperature: -40 °C - +90 °C Materials 2.3 Body: Brass C3604 2.4 Insulator: PTFE 2.5 Center Contact: Phosphor Bronze C5440

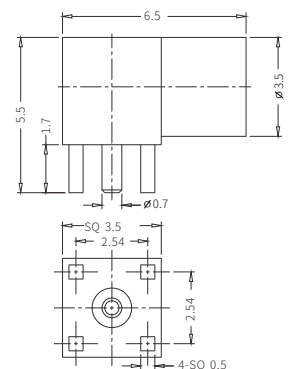
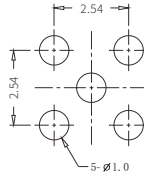
MMCX PCB Connector, PCB Through Hole

D/N: 600-24894-01	Outline Dimensions	PCB Layout	Technology Parameters
		 Recommended PCB Layout Tolerance ±0.05 (Top View)	Electrical Performance 1.1 Impedance: 50Ω +/-5Ω 1.2 Frequency: DC to 6 GHz 1.3 VSWR: ≤1.50 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB 1.5 Center Contact Resistance: ≤10 mΩ 1.6 Outer Contact Resistance: ≤5 mΩ 1.7 Voltage Rating: 170 V DC 1.8 Insulation Resistance: >500MΩ Mechanical Performance 1.9 Mechanical Durability: ≥500 2.0 Coupling Mechanism: Push-On 2.1 Interface Specification: CECC 22220 2.2 Operation Temperature: -40 °C - +90 °C Materials 2.3 Body: Brass C3604 2.4 Insulator: PTFE 2.5 Center Contact: Beryllium Copper

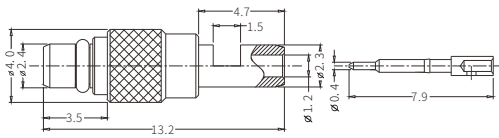
MMCX PCB Connector, PCB Surface Mount

D/N: 600-17965-01	Outline Dimensions	PCB Layout	Technology Parameters
		 Recommended PCB Layout Tolerance ±0.05 (Top View)	Electrical Performance 1.1 Impedance: 50Ω +/-5Ω 1.2 Frequency: DC to 6 GHz 1.3 VSWR: ≤1.50 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB 1.5 Center Contact Resistance: ≤10 mΩ 1.6 Outer Contact Resistance: ≤5 mΩ 1.7 Voltage Rating: 170 V DC 1.8 Insulation Resistance: >500MΩ Mechanical Performance 1.9 Mechanical Durability: ≥500 2.0 Coupling Mechanism: Push-On 2.1 Interface Specification: CECC 22220 2.2 Operation Temperature: -40 °C - +90 °C Materials 2.3 Body: Brass C3604 2.4 Insulator: PTFE 2.5 Center Contact: Phosphor Bronze C5440

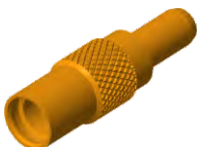
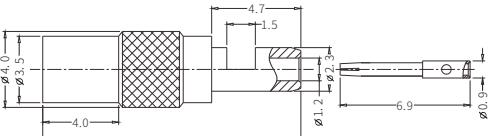
MMCX PCB Connector, PCB Through Hole

D/N: 600-10937-01	Outline Dimensions	PCB Layout	Technology Parameters
		 Recommended PCB Layout Tolerance ±0.05 (Top View)	Electrical Performance 1.1 Impedance: 50Ω +/-5Ω 1.2 Frequency: DC to 6 GHz 1.3 VSWR: ≤1.50 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB 1.5 Center Contact Resistance: ≤10 mΩ 1.6 Outer Contact Resistance: ≤5 mΩ 1.7 Voltage Rating: 170 V DC 1.8 Insulation Resistance: >500MΩ Mechanical Performance 1.9 Mechanical Durability: ≥500 2.0 Coupling Mechanism: Push-On 2.1 Interface Specification: CECC 22220 2.2 Operation Temperature: -40 °C - +90 °C Materials 2.3 Body: Brass C3604 2.4 Insulator: PTFE 2.5 Center Contact: Phosphor Bronze C5440

MMCX Cable Connector, 1.13

D/N: 600-35956-01	● Outline Dimensions	● Technology Parameters				
		Electrical Performance 1.1 Impedance: 50Ω +/-5Ω 1.2 Frequency: DC to 6 GHz 1.3 VSWR: ≤1.50 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB 1.5 Center Contact Resistance: ≤10 mΩ 1.6 Outer Contact Resistance: ≤5 mΩ 1.7 Voltage Rating: 170 V DC 1.8 Insulation Resistance: >500MΩ Mechanical Performance 1.9 Mechanical Durability: ≥500 2.0 Coupling Mechanism: Push-On 2.1 Interface Specification: CECC 22220 2.2 Operation Temperature: -40 °C - +90 °C Materials 2.3 Body: Brass C3604 2.4 Insulator: PTFE 2.5 Center Contact: Brass C3604				
<table border="1"><tr><th>Apply Cable</th><th>Part No.</th></tr><tr><td>1.13</td><td>818035956</td></tr></table>	Apply Cable	Part No.	1.13	818035956		
Apply Cable	Part No.					
1.13	818035956					

MMCX Cable Connector, 1.13

D/N: 600-35957-01	Outline Dimensions	Technology Parameters
		Electrical Performance 1.1 Impedance: 50Ω +/-5Ω 1.2 Frequency: DC to 6 GHz 1.3 VSWR: ≤1.50 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB 1.5 Center Contact Resistance: ≤10 mΩ 1.6 Outer Contact Resistance: ≤5 mΩ 1.7 Voltage Rating: 170 V DC 1.8 Insulation Resistance: >500MΩ Mechanical Performance 1.9 Mechanical Durability: ≥500 2.0 Coupling Mechanism: Push-On 2.1 Interface Specification: CECC 22220 2.2 Operation Temperature: -40 °C - +90 °C Materials 2.3 Body: Brass C3604 2.4 Insulator: PTFE 2.5 Center Contact: Phosphor Bronze C5440

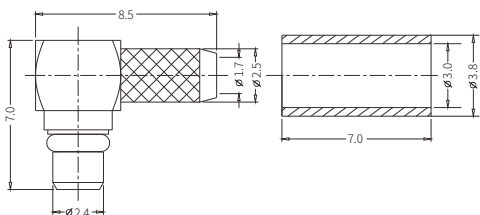
Apply Cable	Part No.
1.13	818035957

MMCX Cable Connector, RG174, RG316, LMR100

D/N: 600-35949-01

● Outline Dimensions

● Technology Parameters



Apply Cable	Part No.
RG174	818035949
RG316	
LMR100	

- Electrical Performance**
- 1.1 Impedance: 50Ω +/-5Ω
 - 1.2 Frequency: DC to 6 GHz
 - 1.3 VSWR: ≤1.50
 - 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.5 Center Contact Resistance: ≤10 mΩ
 - 1.6 Outer Contact Resistance: ≤5 mΩ
 - 1.7 Voltage Rating: 170 V DC
 - 1.8 Insulation Resistance: >500MΩ

- Mechanical Performance**
- 1.9 Mechanical Durability: ≥500
 - 2.0 Coupling Mechanism: Push-On
 - 2.1 Interface Specification: CECC 22220
 - 2.2 Operation Temperature: -40 °C - +90 °C

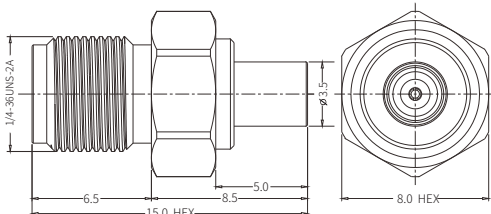
- Materials**
- 2.3 Body: Brass C3604
 - 2.4 Insulator: PTFE
 - 2.5 Center Contact: Brass C3604

SMA Female to MCX Female Adapters

D/N: 600-35939-01

● Outline Dimensions

● Technology Parameters



- Electrical Performance**
- 1.1 Impedance: 50Ω +/-5Ω
 - 1.2 Frequency: DC to 6 GHz
 - 1.3 VSWR: ≤1.30
 - 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.5 Center Contact Resistance: ≤10 mΩ
 - 1.6 Outer Contact Resistance: ≤5 mΩ
 - 1.7 Voltage Rating: 170 V DC
 - 1.8 Insulation Resistance: >500MΩ

- Mechanical Performance**
- 1.9 Mechanical Durability: ≥500
 - 2.0 Coupling Mechanism: Push-On
 - 2.1 Interface Specification: CECC 22220
 - 2.2 Operation Temperature: -40 °C - +90 °C

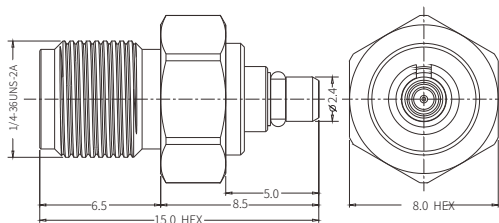
- Materials**
- 2.3 Body: Brass C3604
 - 2.4 Insulator: PTFE
 - 2.5 Center Contact: Beryllium Copper

SMA Female to MCX Male Adapters

D/N: 600-35940-01

● Outline Dimensions

● Technology Parameters



- Electrical Performance**
- 1.1 Impedance: 50Ω +/-5Ω
 - 1.2 Frequency: DC to 6 GHz
 - 1.3 VSWR: ≤1.30
 - 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB
 - 1.5 Center Contact Resistance: ≤10 mΩ
 - 1.6 Outer Contact Resistance: ≤5 mΩ
 - 1.7 Voltage Rating: 170 V DC
 - 1.8 Insulation Resistance: >500MΩ

- Mechanical Performance**
- 1.9 Mechanical Durability: ≥500
 - 2.0 Coupling Mechanism: Push-On
 - 2.1 Interface Specification: CECC 22220
 - 2.2 Operation Temperature: -40 °C - +90 °C

- Materials**
- 2.3 Body: Brass C3604
 - 2.4 Insulator: PTFE
 - 2.5 Center Contact: Beryllium Copper



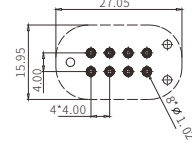
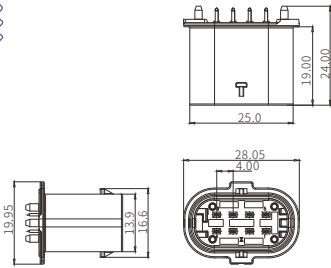
8 Pin Power Connector of Automobile, Vertical

D/N: 600-21006-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Electrical Performance

- 1.1 Current Rating: 9A
- 1.2 Insulation Resistance: $\geq 100M\Omega$
- 1.3 Contact Resistance: $\leq 15m\Omega$
- 1.4 Withstand Voltage: 500V AC 60s $\leq 1mA$

Mechanical Performance

- 1.5 Mating Cycles: ≥ 25
- 1.6 Mating Force: 75N Max
- 1.7 Unmating Force: 75N Max
- 1.8 Temperature Range: $-40^{\circ}C - +125^{\circ}C$

Material

- 1.9 Plastic Housings: PA10T
- 2.1 Terminal: Brass

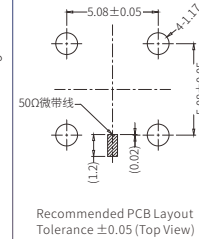
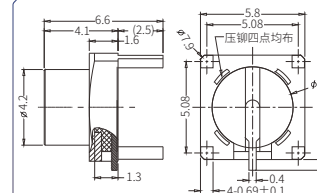
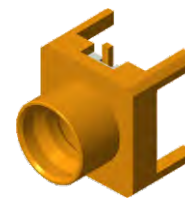
SMP Straight PCB Smooth Bore Through Hole

D/N: 600-26150-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency Range: DC to 26.5 GHz
- 1.3 VSWR: $\leq 1.15@ (DC \sim 6GHz)$
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(GHz)} dB$
- 1.5 Center Contact Resistance: $\leq 6 m\Omega$
- 1.6 Outer Contact Resistance: $\leq 2 m\Omega$
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: $>5000M\Omega$

Mechanical Performance

- 1.9 Mating Cycles: ≥ 500
- 2.0 Coupling Mechanism: Push-On
- 2.1 Interface Specification MIL-STD-348
- 2.2 Temperature Range: $-65^{\circ}C - +165^{\circ}C$

Material

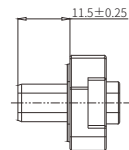
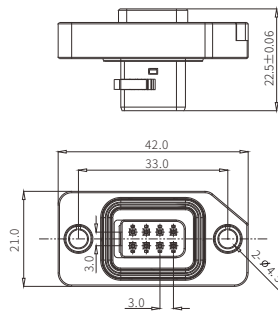
- 2.3 Body: Brass C3604
- 2.4 Insulator: PEEK
- 2.5 Center Pin: Brass C3604

8 Pin Connector for Electric Fan of Automobile

D/N: 600-19151-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Current Rating: 3A
- 1.2 Insulation Resistance: $\geq 100M\Omega$
- 1.3 Contact Resistance: $\leq 10m\Omega$
- 1.4 Withstand Voltage: 500V AC 60s $\leq 1mA$

Mechanical Performance

- 1.5 Mating Cycles: ≥ 25
- 1.6 Mating Force: $\leq 45N$
- 1.7 Unmating Force: $10N \leq F$
- 1.8 Ingress Protection: IP67
- 1.9 Temperature Range: $-40^{\circ}C - +125^{\circ}C$

Material

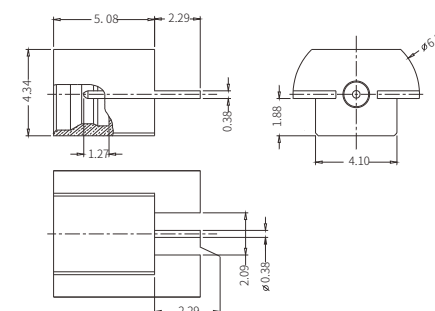
- 2.0 Plastic Housings: PBT
- 2.1 O-Ring: Silicon Rubber
- 2.2 Terminal: Copper Alloy
- 2.3 Bushing: Brass
- 2.4 Sealing Plug: Silica Gel

SMP Straight PCB Full Detent End Launch

D/N: 600-34576-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: $50\Omega \pm 5\Omega$
- 1.2 Frequency Range: DC to 40 GHz
- 1.3 VSWR: $\leq 1.05 + \sqrt{f(GHz)} dB$
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(GHz)} dB$
- 1.5 Center Contact Resistance: $\leq 6 m\Omega$
- 1.6 Outer Contact Resistance: $\leq 2 m\Omega$
- 1.7 Voltage Rating: 335 V DC
- 1.8 Insulation Resistance: $>5000M\Omega$

Mechanical Performance

- 1.9 Mating Cycles: ≥ 500
- 2.0 Coupling Mechanism: Push-On
- 2.1 Interface Specification MIL-STD-348
- 2.2 Temperature Range: $-65^{\circ}C - +165^{\circ}C$

Material

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Pin: Brass C3604

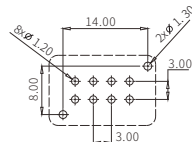
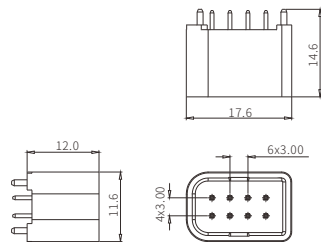
8 Pin Connector for Electric Fan of Automobile, Vertical

D/N: 600-19150-01

● Outline Dimensions

● PCB Layout

● Technology Parameters



Electrical Performance

- 1.1 Current Rating: 3A
- 1.2 Insulation Resistance: $\geq 100M\Omega$
- 1.3 Contact Resistance: $\leq 10m\Omega$
- 1.4 Withstand Voltage: 500V AC 60s $\leq 1mA$

Mechanical Performance

- 1.5 Mating Cycles: ≥ 30
- 1.6 Mating Force: $\leq 45N$
- 1.7 Unmating Force: $10N \leq F$
- 1.8 Temperature Range: $-40^{\circ}C - +125^{\circ}C$

Material

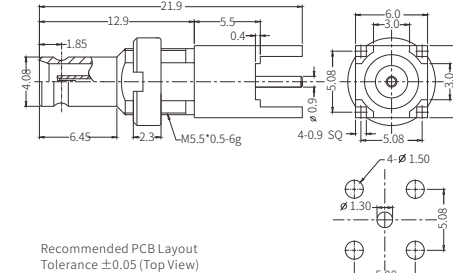
- 1.9 Plastic Housings: PPA
- 2.0 Rear cover: PPA
- 2.1 Terminal: Brass

1.0-2.3 Straight PCB Jack

D/N: 600-17598-01

● Outline Dimensions

● Technology Parameters



Electrical Performance

- 1.1 Impedance: $75\Omega \pm 5\Omega$
- 1.2 Frequency Range: DC to 3 GHz
- 1.3 VSWR: ≤ 1.30
- 1.4 Insertion Loss: $\leq 0.1 \times \sqrt{f(GHz)} dB$
- 1.5 Center Contact Resistance: $\leq 6 m\Omega$
- 1.6 Outer Contact Resistance: $\leq 3 m\Omega$
- 1.7 Voltage Rating: 250 V DC
- 1.8 Insulation Resistance: $>1000M\Omega$

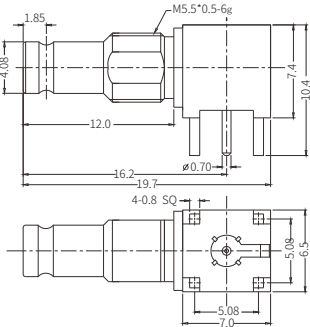
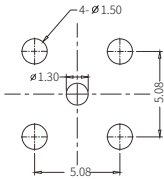
Mechanical Performance

- 1.9 Mating Cycles: ≥ 500
- 2.0 Coupling Mechanism: Push-Pull
- 2.1 Interface Specification IEC 60169-29
- 2.2 Temperature Range: $-65^{\circ}C - +165^{\circ}C$

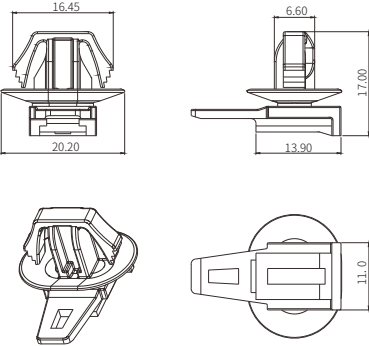
Material

- 2.3 Body: Brass C3604
- 2.4 Insulator: PTFE
- 2.5 Center Pin: Phosphor Bronze C5440

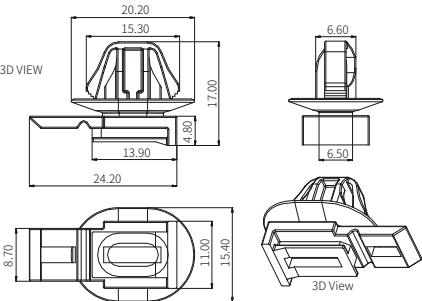
1.0-2.3 Right Angle PCB Jack

D/N: 600-17483-01	● Outline Dimensions	● PCB Layout	● Technology Parameters
		 Recommended PCB Layout Tolerance ±0.05 (Top View)	Electrical Performance 1.1 Impedance: 75Ω +/-5Ω 1.2 Frequency Range: DC to3 GHz 1.3 VSWR: ≤1.30 1.4 Insertion Loss: ≤ 0.1 x √f(GHz) dB 1.5 Center Contact Resistance: ≤6 mΩ 1.6 Outer Contact Resistance: ≤3 mΩ 1.7 Voltage Rating: 250 V DC 1.8 Insulation Resistance: >1000MΩ Mechanical Performance 1.9 Mating Cycles: ≥500 2.0 Coupling Mechanism: Push-Pull 2.1 Interface Specification IEC 60169-29 2.2 Temperature Range: -65 °C - +165 °C Material 2.3 Body: Brass C3604 2.4 Insulator: PTFE 2.5 Center Pin: Phosphor Bronze C5440

Fakra Connector Cable Lock, 90° Clip 7x12

D/N: 600-28107-01	● Outline Dimensions	● Technology Parameters
		1.1 Material: PA6 1.2 Mating Cycles: ≥ 25(time) 1.3 Retention Force Latch: ≥ 60 N 1.4 Thermal Shock: Meet Item 8.2 of DIN 72594-2 1.5 Temperature and Humidity: Meet Item 8.3 of DIN 72594-2 1.6 Vibration and Mechancial Shock: Meet Item 8.1 of DIN 72594-2 1.7 Dry Heat: Meet Item 8.4 of DIN 72594-2 1.8 Environment Requirements: Meet RoHS 1.9 Packing: 100 pcs /PE Bag

Fakra Connector Cable Lock

D/N: 600-4186-01	● Outline Dimensions	● Technology Parameters
		1.1 Material: PA6 1.2 Mating Cycles: ≥ 25(time) 1.3 Retention Force Latch: ≥ 60 N 1.4 Thermal Shock: Meet Item 8.2 of DIN 72594-2 1.5 Temperature and Humidity: Meet Item 8.3 of DIN 72594-2 1.6 Vibration and Mechancial Shock: Meet Item 8.1 of DIN 72594-2 1.7 Dry Heat: Meet Item 8.4 of DIN 72594-2 1.8 Environment Requirements: Meet RoHS 1.9 Packing: 100 pcs /PE Bag



Corporate Values

People-oriented、Technology-driven、Customer-oriented、Integrity-based



Enterprise Talent

Provide more value space for capable employees.



Enterprise Mission

Provide fast and timely quality service to build famous product brands from the regional to the global.



Enterprise Version

To become an influential professional manufacturer in the global connector industry.
To be the benchmark of national enterprises and lead the others follow.



Core Value of Enterprise

Continue to cultivate and gather the best technology, design, manufacturing and service talents, and drive the capable personnel to create greater value.

ENTERPRISE CULTURE

Respect Professionalism Innovation Service



COMPANY RESPONSIBILITY

Adhere to the scientific outlook on development road
and establish a respected corporate image.



Employee Health Protection

Establish a comprehensive rights and interests protection system and growth support mechanism to protect the life and health of enterprise workers.



Cultural Construction

Establish a corporate culture system to provide a good employment environment for employees.



Public Liability

Established public accountability system, advocated safe production and environmental protection, promoted energy conservation and pollution reduction and used clean energy to committe to human ecological harmony and social harmony.



Development Science And Technology

Attach great importance to the development of technology and become a technology-oriented enterprise.



Sustainable Development

Sustainable environment, sustainable operation.
Adhere to the scientific outlook on development, pay attention to environmental protection, and take the road of sustainable development.



Develop Enterprise Public Welfare And Strive For A Harmonious Society

Pursue the unity of social effect and economic benefit. To undertake the due responsibility for the healthy development of society and enterprises.



CONTACT US

DEVELOPMENT STRATEGY

Technological Innovation

Promote technical innovation in the connector industry, open up the industrial chain from the chip end to the manufacturing and application end, and enhance the market competitiveness of the company in the pan-5G era.

Solution Provision

Play the leading role of technology research and development, continue to promote the development and achievement transformation of the new generation of RF technology and product miniaturization, and strive to become a professional connector manufacturer to provide customers with a complete set of connection solutions.

Industry-university-research Cooperation

Continue to deepen industry-university-research cooperation with research institutes, universities and other institutions. Promoting the transformation of scientific and technological achievements, accelerate the establishment of innovative R&D system with the company as the main body, the market as the guidance, and the close combination of government, industry, education and research. Improve the ability of independent innovation to ensure that the company in cutting-edge technology trends, new product research, research projects, personnel training and reserve to make a forward-looking layout.

Localization Layout

Strengthen the research and development of automotive connector products and automation production equipment, improve the delivery capacity and in-depth study of automotive connector in the field of Ethernet application and connection direction in high frequency environment, promote the domestic layout of automotive connector.

Overseas Strategy

Promote overseas strategic layout and increase the scale of international market share.

ECT has expanded the range of market leading products with cutting-edge technology to provide our customers with interconnected world solutions to take their products to a new level continuously since 2006. As the business world becomes more and more highly integrated, interconnected business opportunities are being created and applied on a daily basis. We have grown steadily over the past decade and are committed to bringing value to our customers in consumer electronics, communication devices, Internet of Things and in-vehicle connectivity applications.

Competitive products...

ECT is willing to share our experience with cooperative partners to promote common development. Put us to the test on how competitive of our connectivity products— contact us for a quote.

Technical and solution advice...

Whether you want to find out why your current connectivity solution does not work the way you think it should be or ask us about an connected solution for a new project you are working on — we welcome your call. Our one-stop interconnect technology solution helps optimize your design for better connectivity.

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