

Catalogue

connector

Since 1997

 **EnterTec** EnterTec Technology Inc.

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New Taipei City 236, Taiwan

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Fax: +886-2-2267-2867 Sales@entertec.com.tw

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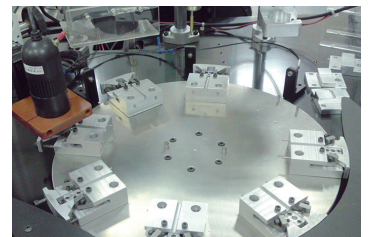
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EnterTec Technology Inc. was established in 1997, located in Taipei Tucheng Industrial Zone. We specialize in developing, manufacturing and marketing RF connector and cable assembly and offer an experienced and flexible custom manufacturing service that meet international professional certifications such as RoHS, REACH, PFOS, PFOA, ODS and IMDS quality mark.

For company operational management, both the quality management and customer satisfaction degree conform to international standard organization ISO 9001 quality management system certification.

With product's superiority, EnterTec offers better research energy and service to customer, from whom we get the recognition and identification.

With the technology development, quality management, service efficiency and business rapid growth, the business scope has spread to Dongguan, Mainland China in 2004 and new factory was built in Taipei Tucheng significantly in 2008. The further international service network is going to expand to Europe, USA, Asia, and Middle East.



Entertec is a professional, sincere and effective service company. EnterTec will be your most reliable partner and choice!

certified by:
ISO 9001 ROHS REACH IMDS PFOA PFOS ODS

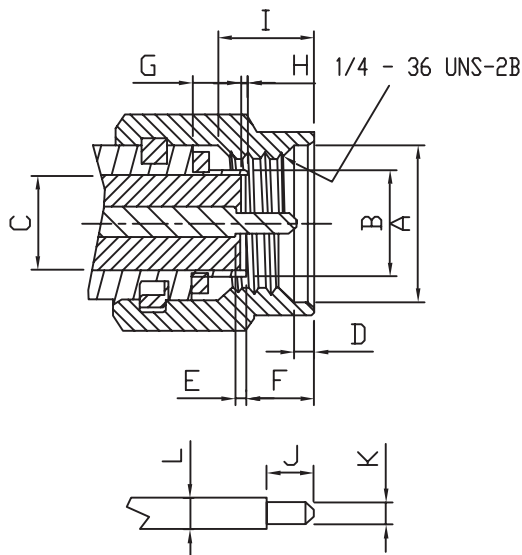
Global Sources  Verified Supplier ★★★★★

SMA connectors are precision connectors for microwave application up to 18 GHz and higher. The high mechanical strength, high durability and low VSWR indicate the characters. Together with semi-rigid cable hi-grade lines can be installed. SMA receptacles (launchers) used to provide transition to coax from waveguide, form MIC-paks, and from stripline or microstrip on PCB.

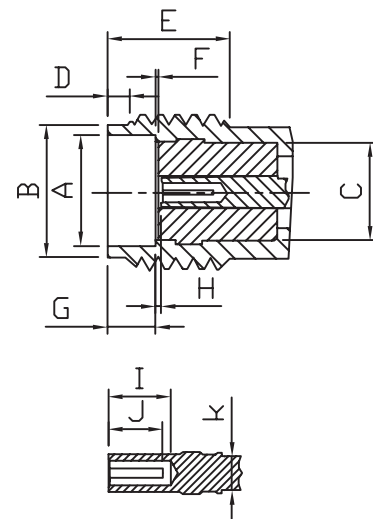


Interface Mating Dimensions

Male



Female



LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ6.48	Φ.225	Φ6.73	Φ.265
B	Φ4.34	Φ.171	Φ4.59	Φ.181
C	Φ4.10	Φ.162	Φ4.13	Φ.163
D	0.64	0.025	1.14	.045
E	0.00	.000	0.13	.005
F	2.59	.102	3.35	.132
G	2.03	0.08		
H	0.00	.000	0.25	.010
I	3.71	.146	4.32	.170
J	2.03	.080	2.29	.090
K	Φ0.90	Φ.036	Φ0.93	Φ.037
L	Φ1.25	Φ.049	Φ1.29	Φ.051

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ4.60	Φ.810	Φ4.67	Φ.184
B	Φ5.28	Φ.208	Φ5.49	Φ.216
C	Φ4.10	Φ.162	Φ4.13	Φ.163
D	0.38	.015	1.14	.045
E	3.81	.150		
F	0.00	.000	0.25	0.10
G	1.88	.074	1.98	.078
H	0.00	.000	0.25	.010
I	2.54	.100		
J	1.91	.075	2.41	.095
K	Φ1.25	Φ.049	Φ1.29	Φ.051
L	Φ0.94	Φ.037	Φ0.99	Φ.039

Material / Finish:

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per (QQ-C-530 or JIS-C1730)	Gold plating
Sleeve	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Insulator	PTFE	None
Spring	Stainless steel	None
Nut	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Washer	Brass per (QQ-B-626 or JIS-C3604B)	Same as body

Electrical:

Nominal impedance	50Ω
Frequency up to	6 GHz
VSWR	<1.65
Working voltage	335 Volts rms.
Dielectric withstanding voltage	500 Volts rms
Insulation resistance	5000 MΩ min.
Contact resistance	center conductor 3.0 mΩ
	outer conductor 2.0 mΩ

Mechanical & Environmental:

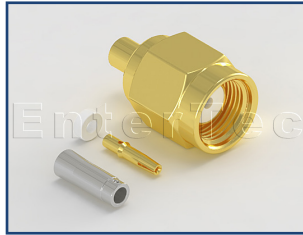
Mating	1/4"-36 UNS thread coupling
Durability	≥500 cycles
Temperature range	-55°C to +155°C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Cable type

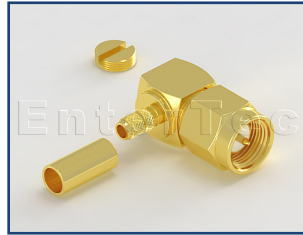
[View cable group](#)



P/N: 05010103
SMA(M) S/T Plug



P/N: 05010203
SMA(M) S/T R/P Plug



P/N: 05010303
SMA(M) R/A Plug



P/N: 05010403
SMA(M) R/A R/P Plug



P/N: 05015103
SMA(F) S/T Jack



P/N: 05014003
SMA(F) S/T R/P Jack



P/N: 05011403
SMA(F) S/T Bulkhead Jack



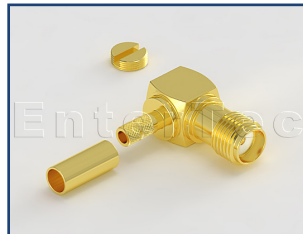
P/N: 05011503
SMA(F) S/T R/P Bulkhead Jack



P/N: 05010503
SMA(F) S/T Bulkhead Jack
With O-Ring



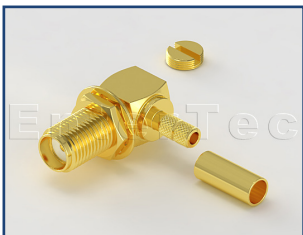
P/N: 05010603
SMA(F) S/T R/P Bulkhead Jack
With O-Ring



P/N: 05018903
SMA(F) R/A Jack



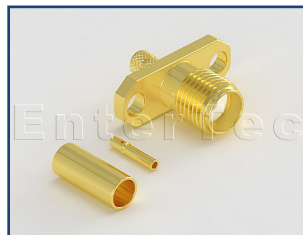
P/N: 05019003
SMA(F) R/A R/P Jack



P/N: 05011903
SMA(F) R/A Bulkhead Jack



P/N: 05011603
SMA(F) R/A R/P Bulkhead
Jack

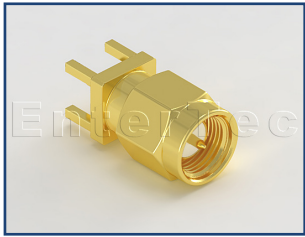


P/N: 05010903
SMA(F) S/T Jack With Panel
2-Hole SQ. Flange

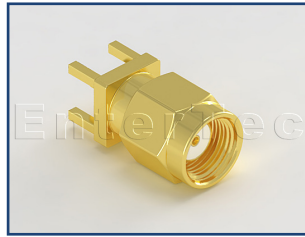


P/N: 05011103
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Panel 4-Hole SQ. Flange

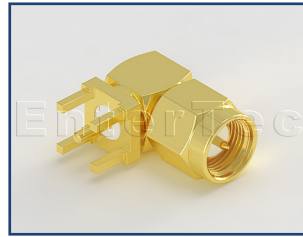
PCB type



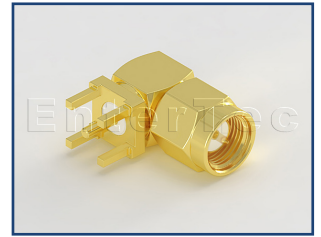
P/N:05365734
SMA(M) S/T Plug For P.C.B Mount



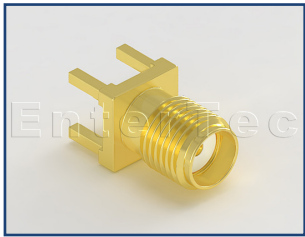
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SMA(M) S/T R/P Plug For P.C.B Mount



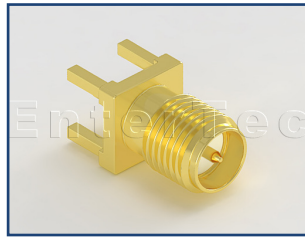
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SMA(M) R/A Plug For P.C.B Mount



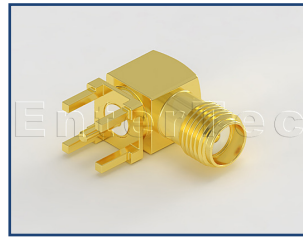
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SMA(M) R/A R/P Plug For P.C.B Mount



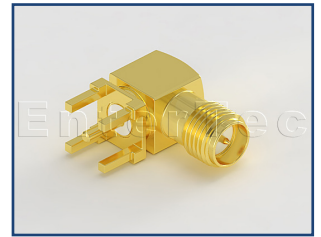
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SMA(F) S/T Jack For P.C.B Mount



P/N:05366234
SMA(F) S/T R/P Jack For P.C.B Mount



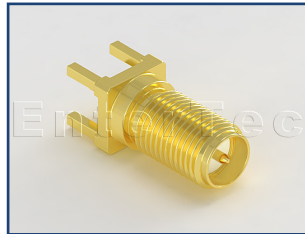
P/N:05014134
SMA(F) R/A Jack For P.C.B Mount



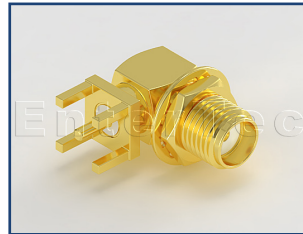
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SMA(F) R/A R/P Jack For P.C.B Mount



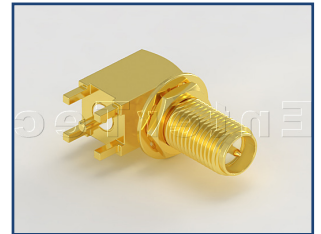
P/N:13360734
SMA(F) S/T Bulkhead Jack For P.C.B Mount



P/N:06498034
SMA(F) S/T R/P Bulkhead Jack For P.C.B Mount



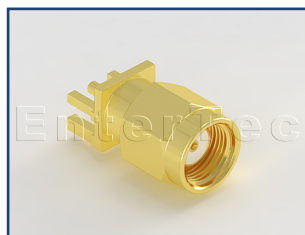
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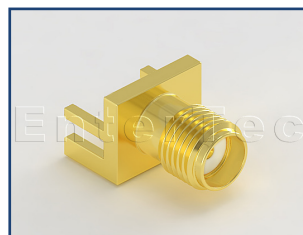
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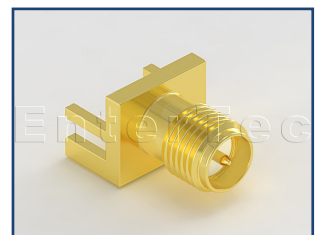
P/N:05366034
SMA(M) S/T Plug For Edge Mount



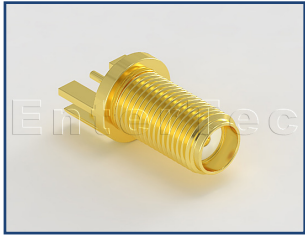
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SMA(M) S/T R/P Plug For Edge Mount



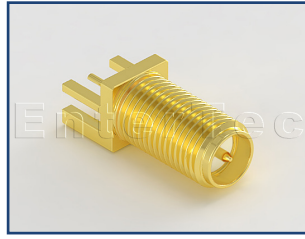
P/N:05362734
SMA(F) S/T Jack For Edge Mount



P/N:05362434
SMA(F) S/T R/P Jack For Edge Mount



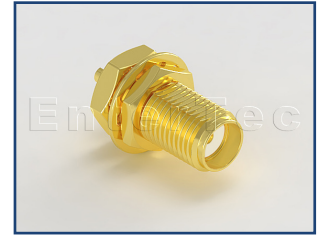
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SMA(F) S/T Bulkhead Jack For Edge Mount



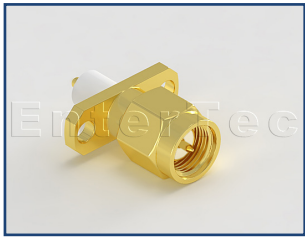
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SMA(F) S/T R/P Bulkhead Jack For Edge Mount



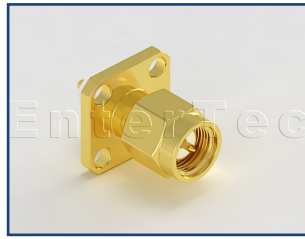
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SMA(F) S/T Jack For Panel Mount



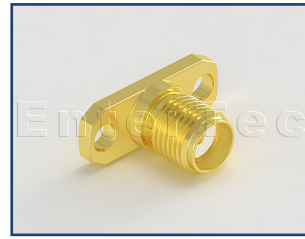
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SMA(F) S/T Bulkhead Jack For Panel Mount



P/N:05493634
SMA(M) S/T Plug With Panel 2-Hole SQ. Flange For



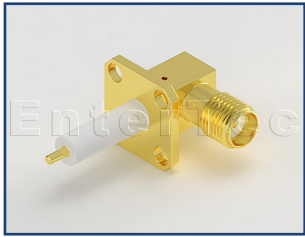
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SMA(M) S/T Plug With Panel 4-Hole SQ. Flange For



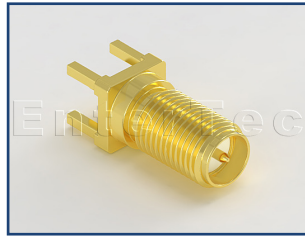
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SMA(F) S/T Jack With Panel 2-Hole SQ. Flange For



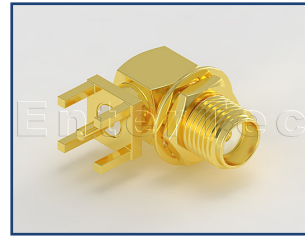
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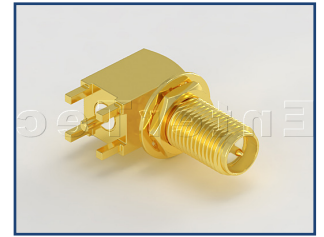
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SMA(F) R/A Jack With Panel 4-Hole SQ. Flange For



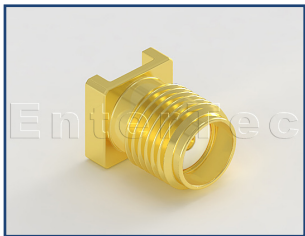
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SMA(F) S/T R/P Bulkhead Jack For P.C.B Mount



P/N:05495134
SMA(F) R/A Bulkhead Jack For P.C.B Mount



P/N:05014334
SMA(F) R/A R/P Bulkhead Jack For P.C.B Mount



P/N:13018234
SMA(F) S/T Jack For Top Mount



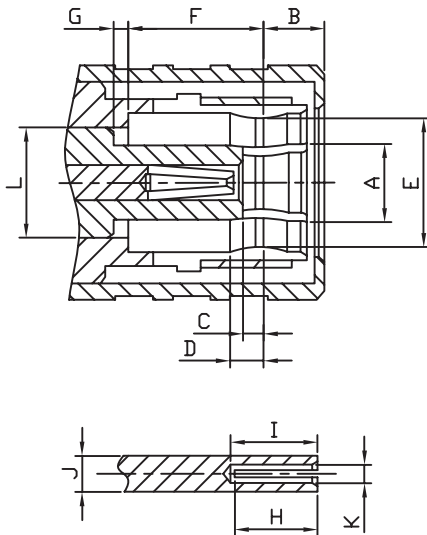
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SMA(F) R/A Bulkhead Jack For Top Mount

SMB connectors are suitable for application from DC up to 4 GHz. respectively 4 GHz. SMB is quick connection/disconnection snap-on mating.

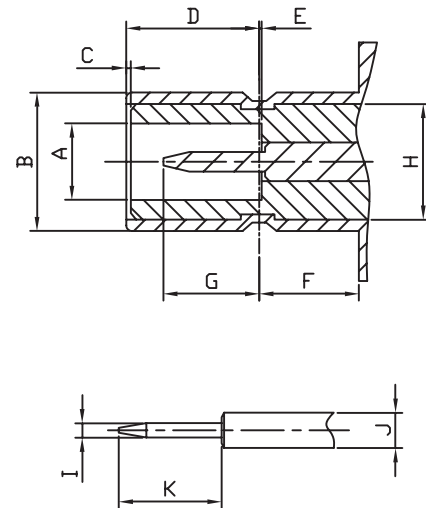


Interface Mating Dimensions

Male



Female



LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ2.01	Φ.079	Φ2.06	Φ.081
B			1.63	.064
C	0.27	.011	0.52	.021
D	0.29	.012	0.57	.023
E	Φ3.40	Φ.134	Φ3.50	Φ.138
F	3.58	.141	0.60	.149
G	0.00	.000	0.62	.012
H	1.65	.065		
I	2.79	.110		
J	Φ1.00	Φ.039	Φ1.04	Φ.041
K	Φ0.56	Φ.022	Φ0.60	Φ.024
L	Φ3.05	Φ.120	Φ3.08	Φ.121

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ2.08	Φ.082	Φ2.16	Φ.085
B	Φ3.66	Φ.144	Φ3.71	Φ.146
C	0.04	.002	0.24	.010
D	3.48	.137	3.53	.139
E	0.05	.002		
F	1.65	.065		
G	2.39	.094	2.72	.107
H	Φ3.05	Φ.120	Φ3.0	Φ.121
I	Φ0.48	Φ.019	Φ0.53	Φ.021
J	Φ0.97	Φ.038	Φ0.99	Φ.039
K	2.51	.099	2.70	.103
L				

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C 1730)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

Electrical:

Nominal impedance	50Ω
Frequency up to	4.0 GHz
VSWR	1.25+0.05×f GHz
Working voltage	250 Volts rms.
Dielectric withstanding	750 Volts rms.
Insulation resistance	1000 MΩmin.
Contact resistance	Center conductor 6.0 MΩ
	Outer conductor 1.5 MΩ

Mechanical & Environmental:

Mating	Snap on coupling
Cable retention	8 lbs typical
Engage fore	6.0 lbs MAX.
Disengage force	1.0 lbs MIN.
Durability	≧ 500 cycles
Temperature range	PTFE -55°C to +155°C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Shock	Per Mil-STD-202 method 213 Test Condition I
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Cable type

[View cable group](#)



P/N: 06050110
SMB(F Contact) S/T Plug



P/N: 06050214
SMB(F Contact) R/A Plug



P/N: 06050313
SMB(M Contact) S/T Jack



P/N: 10050904
SMB(M Contact) S/T Bulkhead Jack



P/N: 06053013
SMB(M Contact) R/A Jack

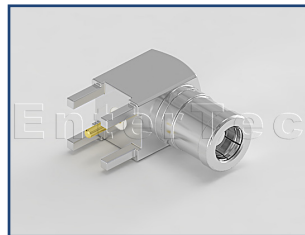


P/N: 13050405
SMB(M Contact) R/A Bulkhead Jack

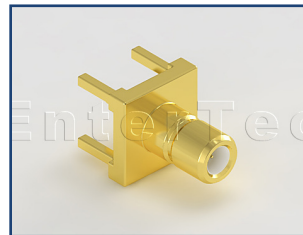
PCB type



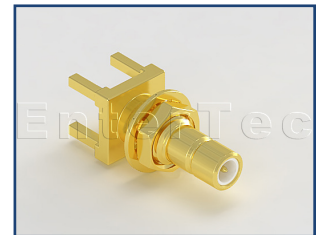
P/N: 13051634
SMB(F Contact) S/T Plug For P.C.B Mount



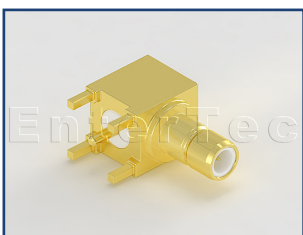
P/N: 06051934
SMB(F Contact) R/A Plug For P.C.B Mount



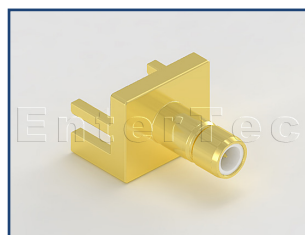
P/N: 13055334
SMB(M Contact) S/T Jack For P.C.B Mount



P/N: 13055634
SMB(M Contact) S/T Bulkhead Jack For P.C.B Mount



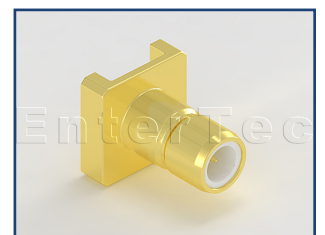
P/N: 13053934
SMB(M Contact) R/A Jack For P.C.B Mount



P/N: 13052334
SMB(M Contact) S/T Jack For Edge Mount



P/N: 13052434
SMB(F Contact) S/T Plug For Top Mount



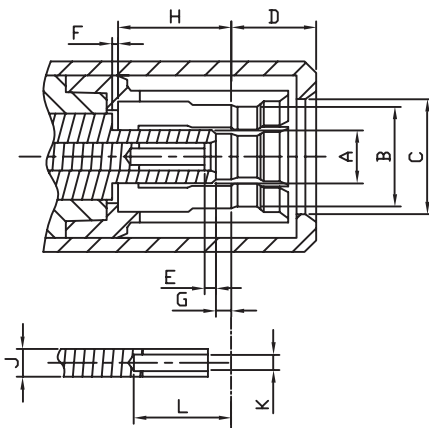
P/N: 13052534
SMB(M Contact) S/T Jack For Top Mount

SSMB has a snap-on coupling it is a miniaturized SMB connectors are designed for use where small, durable, light-weight interconnections are needed.

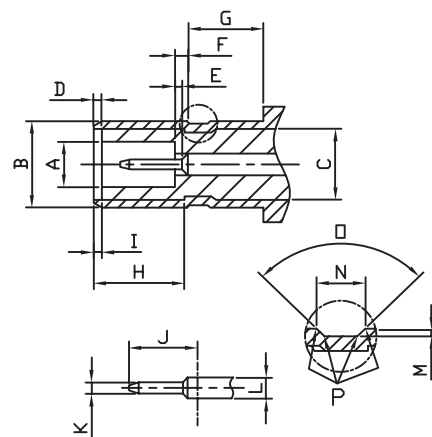


Interface Mating Dimensions

Male



Female



LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ1.30	Φ0.51	Φ1.35	Φ0.53
B	Φ2.46	Φ.097	Φ2.51	Φ.099
C	Φ2.74	Φ.108	Φ3.21	Φ.127
D			2.26	.089
E	0.00	.000	0.20	.008
F	0.00	.000	0.20	.008
G	0.43	.017	0.53	.021
H	2.74	.108	2.79	.110
I		Φ2.11	Φ.083	
J	Φ0.63	Φ.025	Φ0.68	Φ.027
K	Φ0.45	Φ.018	Φ0.50	Φ.020
L	2.46	.097		
M				
N				
O				
P	Φ1.30	Φ.051		

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ1.37	Φ.054	Φ1.42	Φ.056
B	Φ2.62	Φ.103	Φ2.68	Φ.106
C	Φ2.11		Φ.083	
D	0.00	.000	0.50	.020
E	0.00	.000	0.13	.005
F	0.46	.018	0.56	.022
G	2.29	.090		
H	2.69	.106	2.74	.108
I	0.00	.000	0.13	.005
J			2.44	.096
K	Φ0.36	Φ.014	Φ0.40	Φ.016
L	Φ0.63	Φ.025	Φ0.68	Φ.027
M	0.05	.002	0.15	.006
N	0.64	.025	0.74	.029
O	9			
P	R 0.03		R 0.08	

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Nickel or gold plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C 1730) or Phosphor bronze per(QQ-B-750 or JIS-C5441B)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body
Gasket	Silicone rubber	None

Electrical:

Nominal impedance	50Ω
Frequency up to	3.0 GHz
VSWR	1.25 max. at 1 GHz straight connector
	1.5 max. at 1 GHz right angle connector
Working voltage	250 Volts rms.
Dielectric withstanding	500 Volts rms.
Insulation resistance	500 MΩmin.
Contact resistance	Center conductor 6.0 MΩ
	Outer conductor 1.5 MΩ

Mechanical & Environmental:

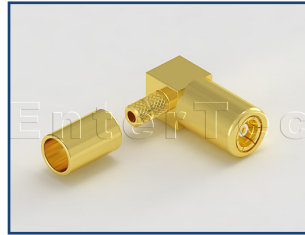
Mating	Snap on coupling
Cable retention	5 lbs typical
Durability	≥ 500 cycles
Engagement force	25 N max
Disengagement range	4.0 N min
Temperature range	-65°C to +165°C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Shock	Per Mil-STD-202 method 213 Test Condition I
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Cable type

[View cable group](#)



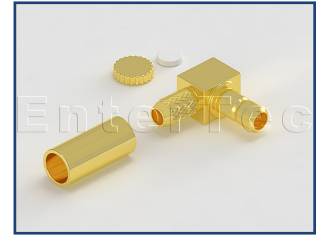
P/N: 13120113
SSMB(F Contact) S/T Plug



P/N: 13123109
SSMB(F Contact) R/A Plug



P/N: 13120313
SSMB(M Contact) S/T Jack



P/N: 13122710
SSMB(M Contact) R/A Jack



P/N: 13122019
SSMB(F Contact) R/A Plug For
Semi-Rigid/Flexible



P/N: 13123109
SSMB(F Contact) S/T Plug
(75 Ohm)

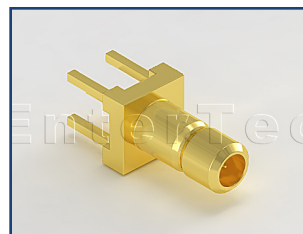
PCB type



P/N: 13122634
SSMB(F Contact) S/T Plug For
P.C.B Mount(75 Ohm)



P/N: 13122534
SSMB(F Contact) R/A Plug For
P.C.B Mount(75 Ohm)



P/N: 13122434
SSMB(M Contact) S/T Jack For
P.C.B Mount(75 Ohm)



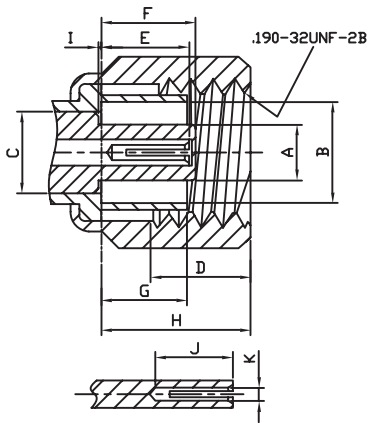
P/N: 13122334
SSMB(M Contact) R/A Jack
For P.C.B Mount(75 Ohm)

SMC connectors are suitable for application from DC up to 10 GHz, respectively 4 GHz.

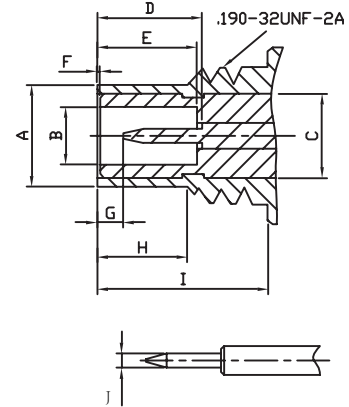


Interface Mating Dimensions

Male



Female



LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ2.01	Φ.079	Φ2.06	Φ.081
B	Φ3.73	Φ.147	Φ3.81	Φ.150
C	3.05	.120	3.07	.121
D	2.79	.110		
E	3.05	.120	3.10	.122
F	3.23	.127	3.40	.134
G	3.30	.130	3.40	.134
H			5.92	.233
I	0.00	.000	0.15	.006
J	2.79	.110		
K	Φ0.56	.022	Φ0.60	.024
L				

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ3.66	Φ.144	Φ3.71	Φ.146
B	Φ2.08	Φ.082	Φ2.16	Φ.085
C	Φ3.05	Φ.120	Φ3.07	Φ.121
D	3.40	.134	3.51	.138
E	3.40	.134	3.61	.142
F	0.00	.000	0.25	.010
G	0.79	.031		
H	3.12	.123	3.38	.133
I	5.94	.234		
J	Φ0.48	Φ.019	Φ0.53	Φ.039
K				
L				

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Nickel or gold plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C 1730) or Phosphor bronze per(QQ-B-750 or JIS-C5441B)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body
Gasket	Silicone rubber	None

Electrical:

Nominal impedance	50Ω
Frequency up to	10 GHz
VSWR	1.25+0.05×f GHz
Working voltage	250 Volts rms.
Dielectric withstanding	750 Volts rms.
Insulation resistance	1000 MΩmin.
Contact resistance	Center conductor 6.0 MΩ
	Outer conductor 1.5 MΩ

Mechanical & Environmental:

Mating	10-32 UNEF Thread coupling
Cable retention	10 lbs typical
Durability	≧ 500 cycles
Engagement force	≧ 25 lbs
Disengagement range	PTFE -65°C to -165°C
Temperature range	PTFE -65°C to -165°C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Shock	Per Mil-STD-202 method 213 Test Condition I
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Cable type

[View cable group](#)



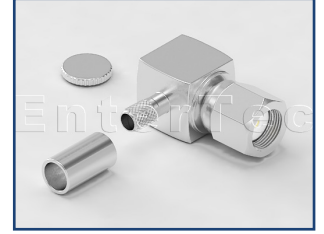
P/N: 04110109
SMC(F Contact) S/T Plug



P/N: 10110604
SMC(F Contact) S/T Plug



P/N: 04110213
SMC(F Contact) R/A Plug



P/N: 04110814
SMC(F Contact) R/A Plug



P/N: 10110219
SMC(F Contact) R/A Plug For
Semi-Rigid/Flexible



P/N: 10110304
SMC(M Contact) S/T Jack

PCB type



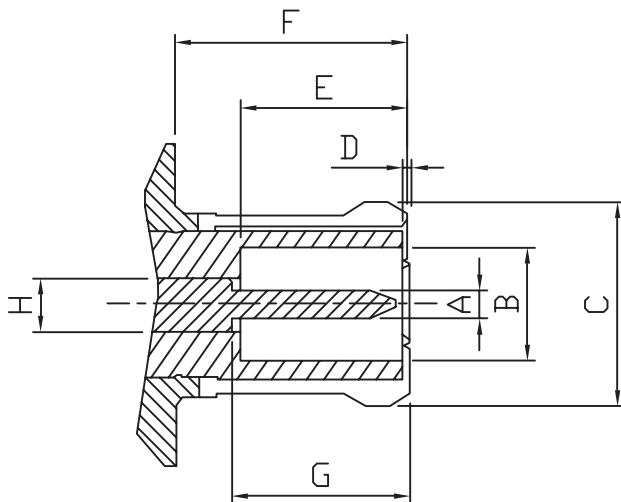
P/N: 06110734
SMC(M Contact) R/A Jack For
P.C.B Mount

MCX micro miniature connectors have an essential space reduction against SMB. MCX connectors can be used from DC to 6GHz and higher. The features are high reliability and durability as well as ease of assembly to coaxial cable.

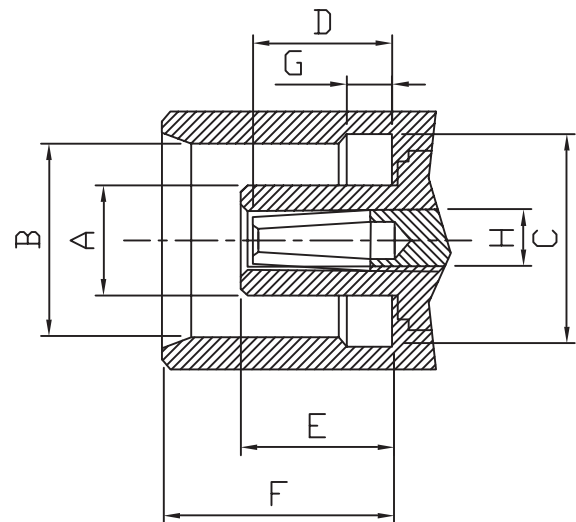


Interface Mating Dimensions

Male



Female



LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ0.48	Φ.019	Φ0.53	Φ.021
B	Φ2.00	Φ.079	Φ2.07	Φ.081
C	Φ3.66	Φ.144	Φ3.76	Φ.148
D	0.00	.000	0.30	.012
E	2.81	.111	3.20	.126
F	4.16	.164		
G	2.81	.111	3.20	.126
H	Φ0.94	Φ.037	Φ0.98	Φ.039

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ1.80	Φ.071	Φ1.97	Φ.076
B	Φ3.43	Φ.135	Φ3.48	Φ.137
C	Φ3.61	Φ.142	Φ3.75	Φ.148
D	2.31	.091	2.79	.110
E	2.61	.103	2.79	.110
F	4.00	.157	4.12	.162
G	0.75	.030	0.85	.033
H				

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Nickel or gold plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C 1730) or Phosphor bronze per(QQ-B-750 or JIS-C5441B)	
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

Electrical:

Nominal impedance	50 Ω
Frequency up to	6 GHz
VSWR	1.30 max. straight connector
Working voltage	250 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	1000 M Ω min.
Contact resistance	Center conductor 5.0 M Ω
	Outer conductor 2.0 M Ω

Mechanical & Environmental:

Mating	Snap on coupling
Cable retention	10 lbs typical
Engage force	$\leq 25\text{N}$
Disengage force	5 to 25 N
Durability	≥ 500 cycles
Temperature range	-65°C to $+165^{\circ}\text{C}$
Vibration	Per Mil-STD-202 method 204 Test Condition D
Shock	Per Mil-STD-202 method 213 Test Condition I
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

Electrical:

Nominal impedance	75Ω
Frequency up to	0~3 GHz
VSWR	<1.5
Working voltage	250 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	1000 MΩ min.
Contact resistance	Center conductor 5.0 MΩ
	Outer conductor 2.0 MΩ

Mechanical & Environmental:

Mating	Snap on coupling
Cable retention	35N typical
Engage force	25N max.
Disengage force	5 to 25 N
Durability	≥ 500 cycles
Temperature range	-55°C to +155°C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B) JIS-C1730)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C1730)	Gold plating
Insulator	PTFE	None
Sleeve	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Spring	Stainless steel	None

Electrical:

Nominal impedance	50 Ω
Frequency up to	3.0GHz
VSWR	1.40 max. at 2.5GHz
Working voltage	100 Volts rms.
Dielectric withstanding voltage	250 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	Center conductor 5.0 m Ω initial
	Outer conductor 3.0 m Ω initial

Mechanical & Environmental:

Mating	Snap on coupling
Durability	\geq 500 cycles
Engagement force	10 N max.
Disengagement force	5 N min.
Temperature range	-45 $^{\circ}$ C to +125 $^{\circ}$ C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Shock	Per MIL-STD-202 Method 213 Test Condition I
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Cable type

[View cable group](#)



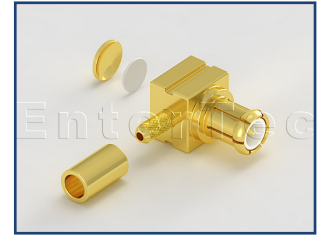
P/N: 13030204
MCX(M) S/T Plug



P/N:10110604
MCX(M) S/T R/P Plug



P/N: 10030210
MCX(M) S/T Plug(75 Ohm)



P/N: 41030105
MCX(M) R/A Plug



P/N: 13036310
MCX(M) R/A Plug (75 Ohm)



P/N: 13030313
MCX(F) S/T Jack

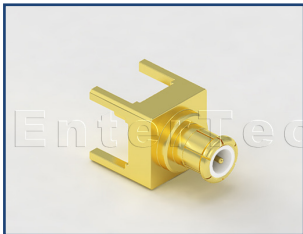


P/N: 13033713
MCX(F) R/A Jack

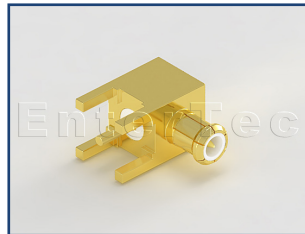


P/N: 13031913
MCX(F) R/A Jack

PCB type



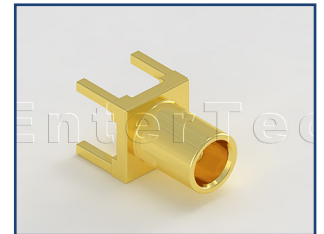
P/N: 10030734
MCX(M) S/T Plug For P.C.B Mount



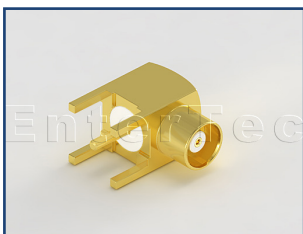
P/N:13034734
MCX(M) R/A Plug For P.C.B Mount



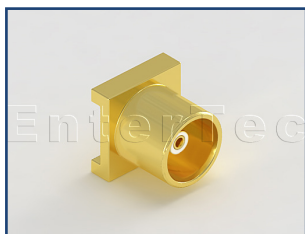
P/N: 13031034
MCX(F) S/T Jack For P.C.B Mount



P/N: 13036634
MCX(F) S/T Jack For P.C.B Mount(75 Ohm)



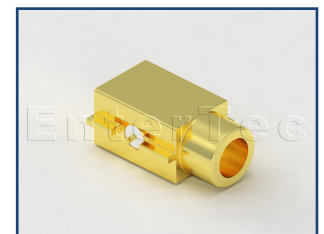
P/N: 13037134
MCX(F) R/A Jack For P.C.B Mount



P/N: 13037034
MCX(F) S/T Jack For Top Mount

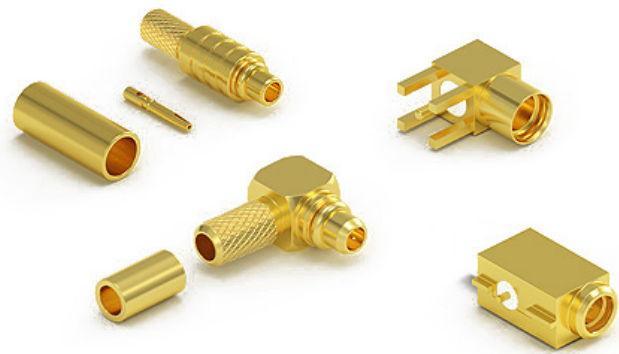


P/N: 41030934
MCX(F) S/T Jack For Edge Mount



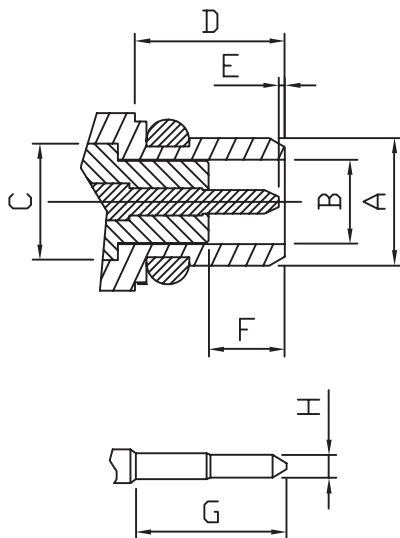
P/N:13033234
MCX(F) S/T Jack Switched Edge Card Receptacle

MMCX connectors were developed for applications which require smallest dimensions. MMCX connectors can be used from DC up to 6GHz and higher. The locking consists of a snap-on mechanism. Also the non-slotted outer conductor the connection has a low Rf-leakage.

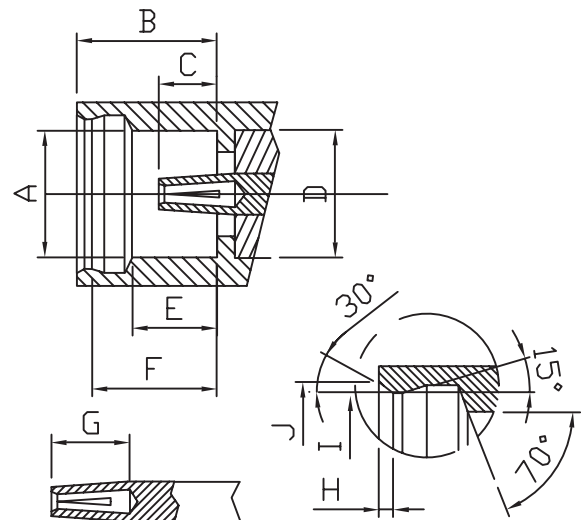


Interface Mating Dimensions

Male



Female



LTR	Millimeters / Inches			
	Minimum		Maximum	
A			Φ2.39	Φ.094
B	Φ1.57	Φ.062	Φ1.63	Φ.064
C	Φ2.31	Φ.091	Φ2.36	Φ.092
D	2.69	.106		
E	0.00	.000	0.25	.100
F	1.45	.057		
G			3.15	.124
H	0.38	.015	0.43	.017
I				
J				

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ2.41	Φ.095		
B	2.59	.102		
C	0.89	.035	1.20	.047
D	Φ2.31	Φ.091	Φ2.36	Φ.093
E	1.57	.062	1.63	.064
F	2.28	.090	2.33	.092
G	1.40	.055		
H			0.23	.009
I	Φ2.87	Φ.113	Φ2.90	Φ.114
J	Φ3.00	Φ.118	Φ3.05	Φ.120

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C 1730) or Phosphor bronze per(QQ-B-750 or JIS-C5441B)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

Electrical:

Nominal impedance	50 Ω
Frequency up to	6 GHz
VSWR	1.25 max.
Working voltage	125 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	500 M Ω min.
Contact resistance	Center conductor 5.0 M Ω
	Outer conductor 2.5 M Ω

Mechanical & Environmental:

Mating	Snap on coupling
Cable retention	10 lbs typical
Engage force	$\leq 20\text{N}$
Disengage force	5 to 20 N
Durability	≥ 500 cycles
Temperature range	-65°C to $+165^{\circ}\text{C}$
Vibration	Per Mil-STD-202 method 204 Test Condition D
Shock	Per Mil-STD-202 method 213 Test Condition I
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Material / Finish:

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact male	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per (QQ-C-530 or JIS-C1730)	Gold plating
Insulator	PTFE	None
Spring	Stainless steel	Nickel plating
Side contact sub ass'y	Sumikasuper LCP	White

Electrical:

Nominal impedance	50 Ω
Frequency up to	6 GHz
VSWR	<1.5
Insertion loss	<0.6dB
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	500 M Ω min.
Contact resistance	Center conductor 5.0 m Ω
	Outer conductor 2.5 m Ω

Mechanical & Environmental:

Mating	Snap on coupling
Engage force	\cong 2.5 kgf
Disengage force	0.5 to 2.5 Kgf
Durability	\cong 1000 cycles
Temperature range	-55k to +155k
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Cable type

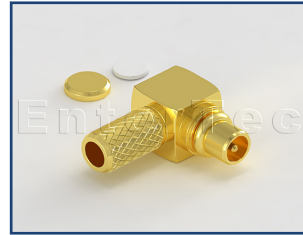
[View cable group](#)



P/N: 13020313
MMCX(M) S/T Plug



P/N:41020304
MMCX(M) S/T Plug



P/N: 41020113
MMCX(M) R/A Plug



P/N: 10020204
MMCX(M) R/A R/P Plug



P/N: 13020406
MMCX(F) S/T Jack

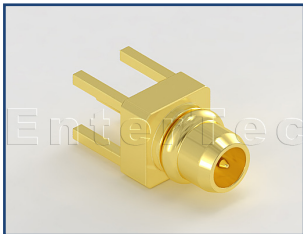


P/N: 13021809
MMCX(F) S/T Bulkhead Jack

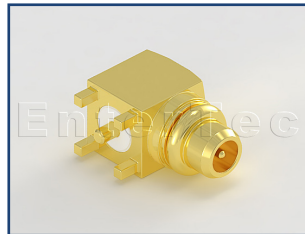


P/N: 13024109
MMCX(F) R/A Jack

PCB type



P/N: 06024834
MMCX(M) S/T Plug For P.C.B Mount



P/N:13022334
MMCX(M) R/A Plug For P.C.B Mount



P/N:13020734
MMCX(M) S/T Plug For Edge Mount



P/N: 13025534
MMCX(F) S/T Jack For P.C.B Mount



P/N: 41021134
MMCX(F) R/A Jack For P.C.B Mount



P/N: 13023234
MMCX(F) S/T Jack Switch Edge Card Receptacle

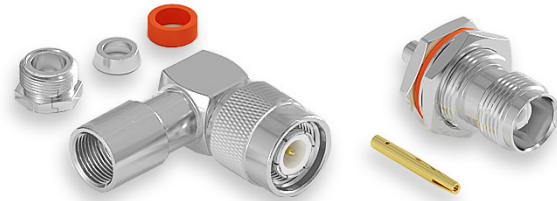


P/N: 41025234
MMCX(F) S/T Jack Switch Edge Card Receptacle



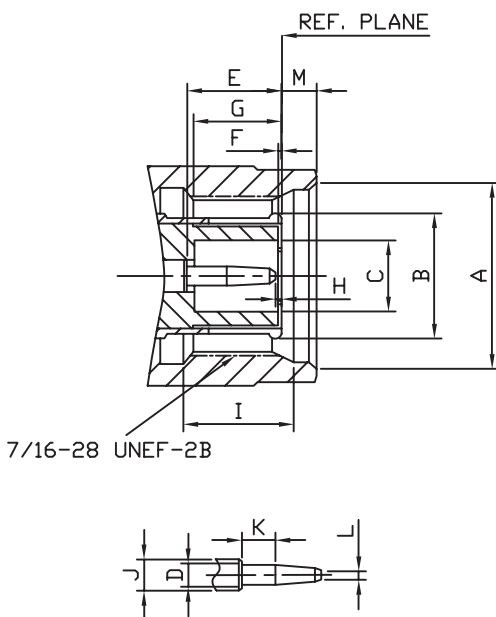
P/N:10022404
MMCX(F) R/A Jack For 1.13mm And P.C.B Mount

TNC connectors were developed for missile and aircraft application, also called the threaded version of the BNC, It's available in 50Ω and 70Ω types. TNC connectors can be used under higher environmental load than series BNC especially under vibration load.

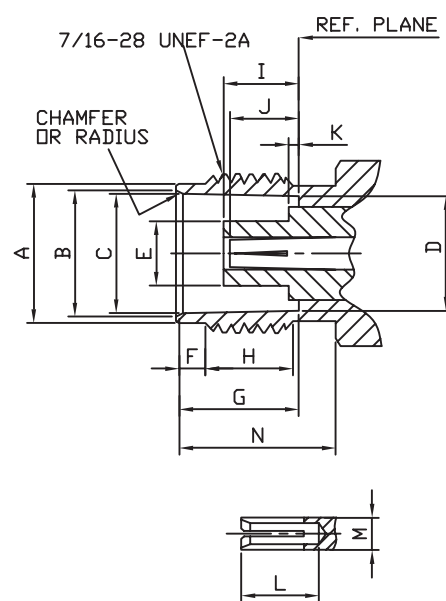


Interface Mating Dimensions

Male



Female



LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ11.18	Φ.440		
B	Φ7.93	Φ.312	Φ8.12	Φ.319
C	Φ4.83	Φ.190		
D	Φ1.32	Φ.052	Φ1.37	Φ.054
E	5.33	.210	5.84	.230
F	0.15	.006		
G	5.28	.208	5.79	.228
H	0.08	.003	1.02	.040
I	3.96	.156		
J	2.06	.081	2.21	.087
K	1.98	.078		
L			0.64	.025
M			1.98	.078
N				

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ9.60	Φ.378	Φ9.68	Φ.381
B	Φ8.79	Φ.346	Φ9.04	Φ.356
C	Φ8.31	Φ.327	Φ8.46	Φ.333
D	Φ8.10	Φ.319	Φ8.15	Φ.321
E			Φ4.72	Φ.186
F	1.73	.068	2.24	.088
G	8.31	.327	8.51	.335
H	4.75	.187		
I	4.78	.188	5.28	.208
J	4.72	.186	5.23	.206
K			0.15	.006
L	4.95	.195		
M	2.06	.081	2.21	.087
N	10.52	.414		

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Nickel or gold plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C1730) or Phosphor bronze per(QQ-B-750 or JIS-C5441B)	Gold plating
Insulator	PTFE or P.P.	None
Crimp ferrule	Annealed copper	Same as body
Gasket	Silicone rubber	None

Electrical:

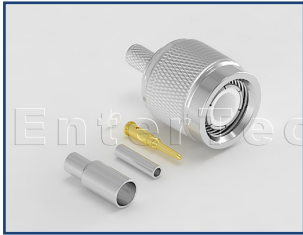
Nominal impedance	50 Ω
Frequency up to	11 GHz
VSWR	1.25 max.
Working voltage	500 Volts rms.
Dielectric withstanding voltage	1500 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	center conductor 4.0 m Ω
	outer conductor 1.5 m Ω

Mechanical & Environmental:

Mating	7/16"-28UNEF thread coupling
Cable retention	40 lbs typical
Durability	\geq 500 cycles
Disengagement range	\geq 50 lbs
Temperature range	P.P. -45 $^{\circ}$ C to +85 $^{\circ}$ C ,PTEF -65 $^{\circ}$ C to +165 $^{\circ}$ C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Shock	Per Mil-STD-202 method 213 Test Condition I
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Cable type

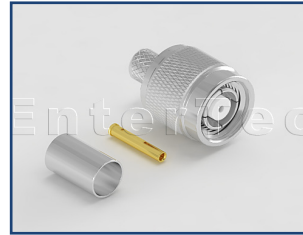
[View cable group](#)



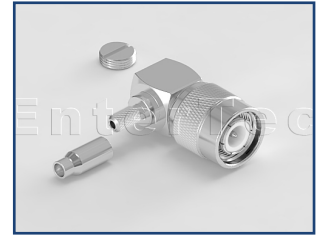
P/N: 41080113
TNC(M) S/T Plug



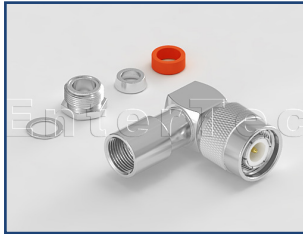
P/N:06080226
TNC(M) S/T Plug Clamp



P/N: 41081125
TNC(M) S/T R/P Plug



P/N: 06080313
TNC(M) R/A Plug



P/N: 06080421
TNC(M) R/A Plug Clamp



P/N: 41082413
TNC(F) S/T Jack



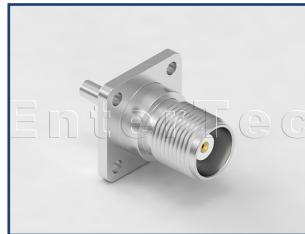
P/N: 06082625
TNC(F) S/T R/P Jack



P/N: 41080709
TNC(F) S/T Bulkhead Jack
With O-Ring



P/N: 41080806
TNC(F) S/T R/P Bulkhead Jack
With O-Ring



P/N: 13083004
TNC(F) S/T Jack With Panel
4-Hole SQ. Flange



P/N: 13083613
TNC(F) S/T Bulkhead Jack
Front Mount Clamp With

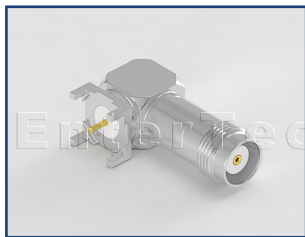


P/N: 04083513
TNC(F) S/T Bulkhead Jack
Front Mount With O-Ring

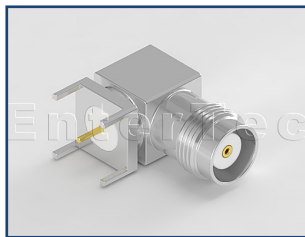


P/N: 13083613
TNC(F) S/T Bulkhead Jack
Front Mount Clamp With

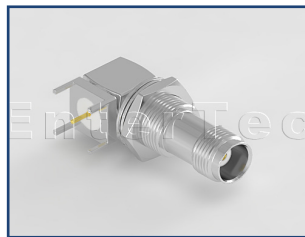
PCB type



P/N: 06081334
TNC(F) R/A Jack For P.C.B
Mount



P/N: 06083334
TNC(F) R/A Jack For P.C.B
Mount



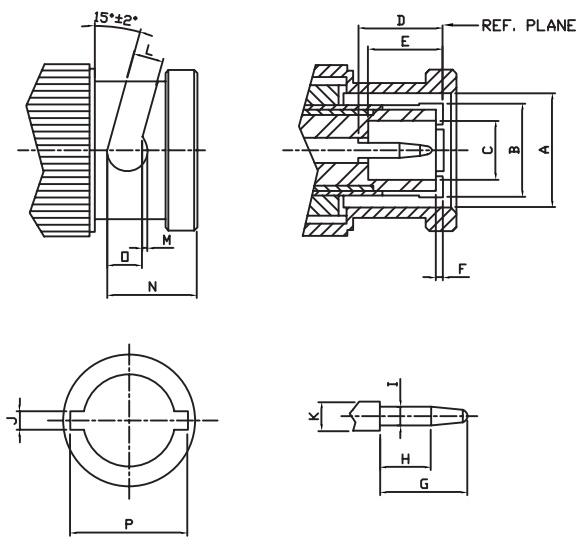
P/N: 06083734
TNC(F) R/A Bulkhead Jack For
P.C.B Mount

BNC connectors are the RF connectors most frequently used in electronics and network worldwide. BNC connectors are applicable from DC up to 4 GHz with 50Ω and from DC up to 1 GHz with 75Ω characteristics impedance.

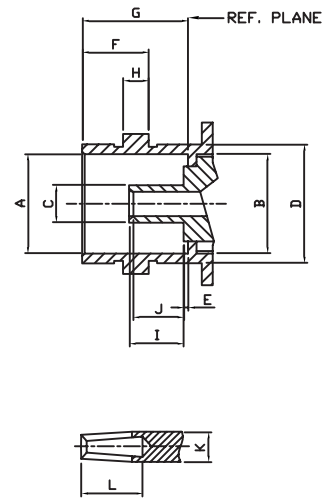


Interface Mating Dimensions

Male



Female



COUPLING MECHANISM DETAIL

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ9.78	Φ.385	Φ9.91	Φ.390
B	Φ7.92	Φ.312	Φ8.10	Φ.319
C	Φ4.83	Φ.192		
D	5.33	.209	5.84	.230
E	5.28	.208	5.79	.228
F	.015	.006		
G	4.32	.170	5.80	.228
H	1.98	.077		
I	Φ1.32	Φ.052	Φ1.37	Φ.054
J	2.31	.091	4.88	.192
K	1.40	.055	2.46	.097
L	2.31	.091	2.46	.097
M	0.46	.018	0.56	.022
N	4.57	.180	4.67	.184
O	3.15	.124		
P	11.76	.463	12.01	.473

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ8.31	Φ.0327	Φ8.51	Φ.335
B	Φ8.10	Φ.319	Φ8.15	Φ.321
C			Φ4.72	Φ.186
D	Φ9.60	Φ.378	Φ9.68	Φ.381
E			0.15	.006
F	5.18	.204	5.28	.208
G	8.31	.327	8.51	.335
H	1.91	.075	2.0	.081
I	4.78	.188	5.28	.208
J	4.72	.186	5.23	.206
K	2.06	.081	2.21	.087
L	4.95	.194		
M				
N				
O				
P				

Material / Finish:

Impedance		50 Ohm	75 Ohm
Frequency Range		0-4 GHz	0-1 GHz
Working Voltage		500 VRMS max.	500 VRMS max.
Dielectric Withstanding Voltage		1500 VRMS min.	1500 VRMS min.
VSWR	Straight	1.3 max.	1.3 max.
	Right Angle	1.5 max.	1.5 max.
Contact Resistance	Center Contact	3 Milliohms max.	3 Milliohms max.
	Outer Contact	2 Milliohms max.	2 Milliohms max.
Insulator Resistance		5000 Megohms min.	5000 Megohms min.

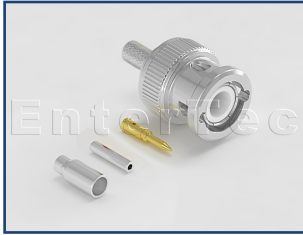
Electrical:

Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Nickel 70 micro-inches
Center Contacts	Male: Brass per QQ-B-626	Gold 3 micro-inches
	Female: Phosphor Bronze per QQ-B-750	Gold 3 micro-inches
Insulators	Teflon, Delrin	None
Crimp Ferrules	Annealed Brass	Nickel 70 micro-inches
Clamp Gaskets	Silicone rubber	None

Mechanical & Environmental:

Engagement Force	2.5 in-lbs. max. torque
Disengagement Force	3 lbs. max. axial force
Coupling Nut Retention	100 lbs. min.
Contact Retention	6 lbs. min.
Durability (Mating)	500 cycles min. (For Beryllium copper Female Contact Only)
Temperature Range	-65°C to 165°C (For Teflon Insulator Only)
Vibration	MIL-STD-202 Method 204 Test Cond. B.
Salt Spray	MIL-STD-202 Method 101 Test Cond. B.
Thermal Shock	MIL-STD-202 Method 107 Test Cond. B.

Cable type



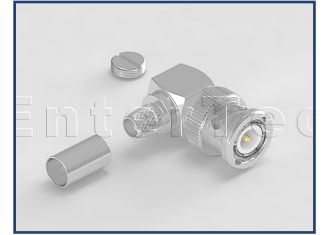
P/N:06060113
BNC(M) S/T Plug



P/N:06062395
BNC(M) S/T Plug (75 Ohm)



P/N:06063554
BNC(M) S/T Plug Clamp



P/N:06062716
BNC(M) R/A Plug



P/N:06060223
BNC(F) S/T Jack



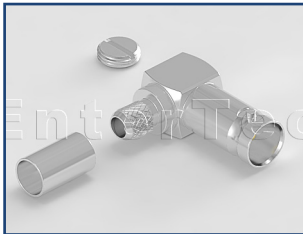
P/N:06065541
BNC(F) S/T Bulkhead Jack
With O-Ring



P/N:13062809
BNC(F) S/T Bulkhead Jack
Front Mount With O-Ring

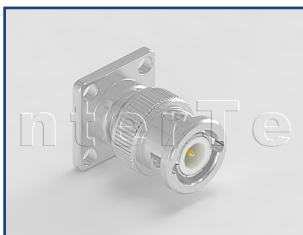


P/N:94061749
BNC(F) S/T Bulkhead Jack
Front Mount



P/N:06065441
BNC(F) R/A Jac(75 Ohm)

PCB type



P/N:06065834
BNC(M) S/T Plug With Panel
4-Hole SQ. Flange For
Receptacle



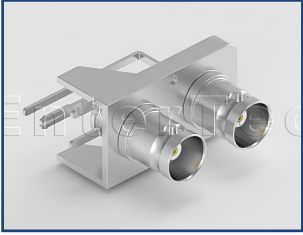
P/N:06061934
BNC(F) S/T Jack For P.C.B
Mount(75 Ohm)



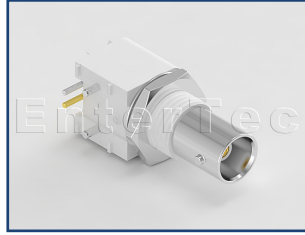
P/N:06065734
BNC(F) S/T Bulkhead Jack
With O-Ring For P.C.B Mount



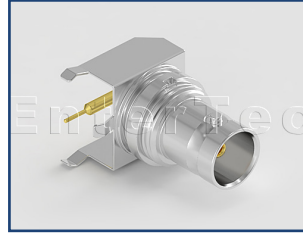
P/N:06065934
BNC(F) S/T Bulkhead Jack
Front Mount For Receptacle



P/N:03066034
BNC(F) R/A Jack For P.C.B
Mount(Stacked Type)



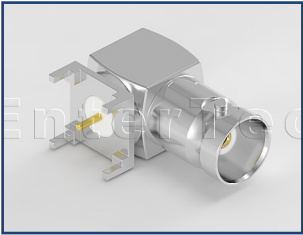
P/N:13065634
BNC(F) R/A Jack For P.C.B
Mount(75 Ohm)



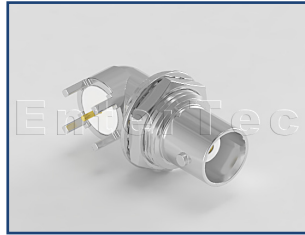
P/N:06065234
BNC(F) R/A Jack For P.C.B
Mount(75 Ohm)



P/N:06066234
BNC(F) R/A Jack For P.C.B
Mount (75 Ohm)



P/N:06066734
BNC(F) R/A Jack For P.C.B
Mount



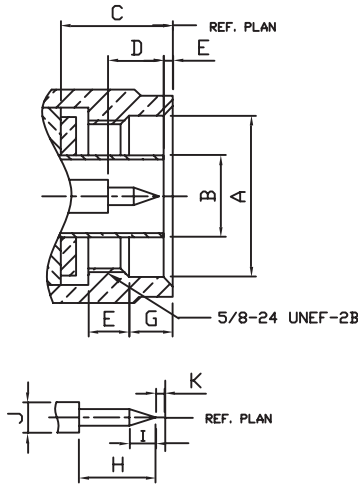
P/N:06064834
BNC(F) R/A Bulkhead Jack For
P.C.B Mount

N connectors are available with 500hm and 750hm impedance operating to 11GHz on semi-rigid cable. N connectors have variety of clamp and solder types.

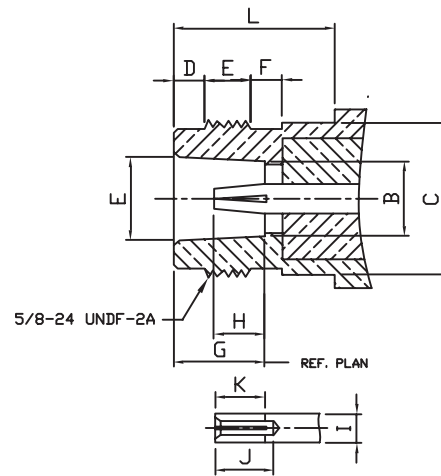


Interface Mating Dimensions

Male



Female



LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ16.0	Φ.630		
B			Φ8.38	Φ.330
C	10.11	.398	10.46	.412
D	5.33	.210	5.84	.230
E	0.41	.016	1.52	.060
F	4.50 / .177 full thread min			
G	4.01	.158	4.27	.168
H	5.33	.210		
I	2.80	.110	3.56	.140
J	Φ160	Φ.063	Φ168	Φ.066
K	0.08	.003		
L				

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ8.53	Φ.336	Φ8.74	Φ.344
B	Φ8.03	Φ.316	Φ8.13	Φ.320
C			Φ15.93	Φ.627
D	1.19	.047	1.96	.077
E	4.37	.172	5.13	.202
F	1.19	.047	1.96	.077
G	9.04	.356	9.19	.363
H	4.75	.187	5.26	.207
I	Φ3.00	Φ.118	Φ3.15	Φ.124
J	5.33	.210		
K	4.75	.187	5.26	.207
L	10.72	.422		

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Nickel or Tril-alloy plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C1730)	Gold plating
	Phosphor bronze per(QQ-B750 or JIS-C5441B)	
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body
Gasket	Silicone rubber	None

Electrical:

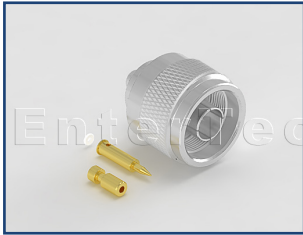
Nominal impedance	50Ω
Frequency up to	11GHz
VSWR	1.15+0.02fxGHz max.
Working voltage	500 Volts rms.
Dielectric withstanding voltage	2500 Volts rms.
Insulation resistance	5000 MΩmin.
Contact resistance	Center conductor 1.50 MΩ initial
	Outer conductor 1.50 MΩ initial

Mechanical & Environmental:

Mating	5/8"-24 UNEF thread coupling
Cable retention	10 kgf typical
Durability	≧ 500 cycles
Coupling nut retention	20 kgf min
Temperature range	-55°C to 155°C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Cable type

[View cable group](#)



P/N: 13070109
N(M) S/T Plug



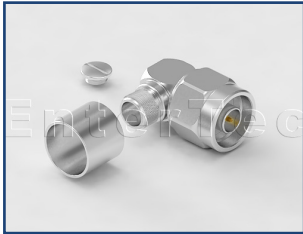
P/N:06071521
N(M) S/T R/P Plug



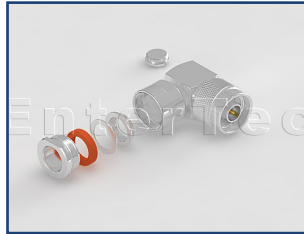
P/N: 06070226
N(M) S/T Plug



P/N: 06070315
N(M) R/A Plug



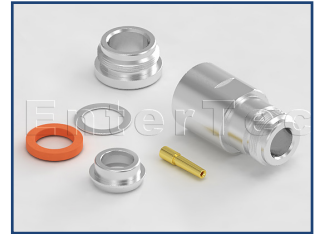
P/N: 06070359
N(M) R/A Plug O-Ring



P/N: 06070426
N(M) R/A Plug clamp



P/N: 06074221
N(F) S/T Jack



P/N: 00070626
N(F) S/T Jack Clam



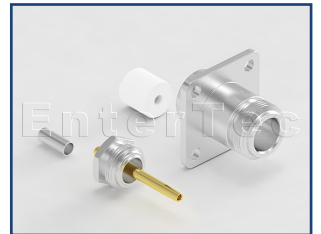
P/N: 06070706
N(F) S/T Bulkhead Jack With O-Ring



P/N: 07071406
N(F) S/T Bulkhead Jack Front Mount With O-Ring



P/N: 10072013
N(F) S/T Bulkhead Jack



P/N: 06071113
N(F) S/T Jack Clamp With Panel 4-Hole SQ Flange



P/N: 06071219
N(F) S/T Jack With Panel 4-Hole SQ. Flange With O-Ring



P/N: 07071219
N(F) S/T Jack With Panel 4-Hole SQ. Flange

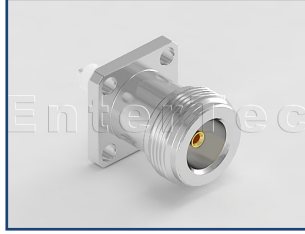


P/N: 06073621
N(F) R/A Bulkhead Jack

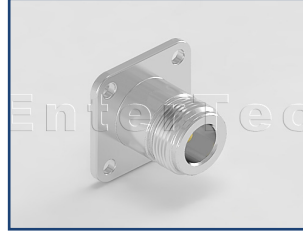
PCB type



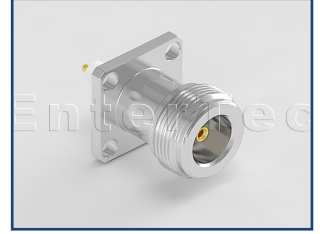
P/N: 06071834
N(F) S/T Bulkhead Jack With
O-Ring For P.C.B Mount



P/N:06071234
N(F) S/T Jack With Panel
4-Hole SQ. Flange With
O-Ring Panel Receptacle



P/N: 06070226
N(F) S/T Jack With Panel
4-Hole SQ. Flange For
Receptacle



P/N: 06073234
N(F) S/T Jack With O-Ring
Panel Receptacle

FME connectors were originally developed for European wireless market, but have recently seen an increase in popularity globally. Applications are in the GPS, mobile and WLAN sectors of the communications industry.

Material / Finish:

Impedance	50Ω	
Frequency range	0-3 GHz	
Working voltage	500 VRMS Max.	
Dielectric withstanding voltage	1000 VRMS Min.	
VSWR	Straight	1.3 max.
	Right Angle	1.5 max.
Contact resistance	Center Contact	10 Milliohms Max.
	Outer Contact	5 Milliohms Max.
Insulator Resistance	5000 Megohms min.	

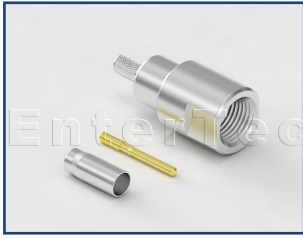
Electrical:

Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Nickel 70 micro-inches
Center Contacts	Male: Brass per QQ-B-626	Gold 3 micro-inches
	Female: Phosphor Bronze per QQ-B-750	Gold 3 micro-inches
Insulators	Teflon, Delrin	None
Crimp Ferrules	Annealed Brass	Nickel 70 micro-inches
Clamp Gaskets	Silicone rubber	None

NOTE: Other Material/Finish is Available on Request

Cable type

[View cable group](#)



P/N: 06100113
FME(M) S/T Plug



P/N: 13100113
FME(M) S/T Plug



P/N: 07100804
FME(M) S/T Bulkhead Plug
With O-Ring



P/N: 06101304
FME(M) S/T Bulkhead Plug



P/N: 07100503
FME(F) S/T Jack



P/N: 06100504
FME(M) S/T Bulkhead Plug

PCB type



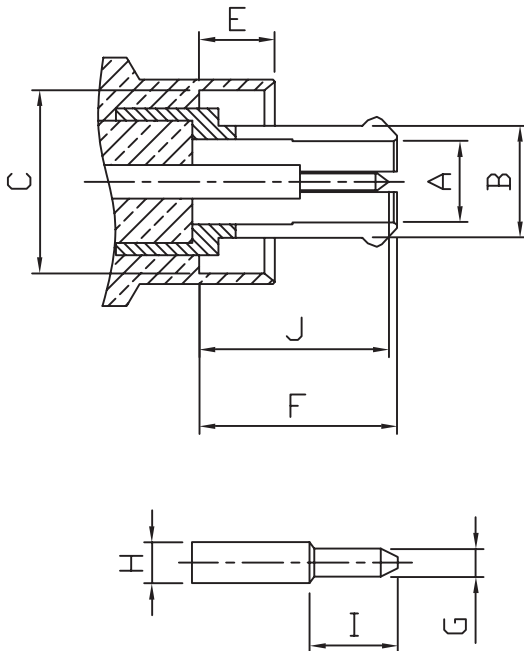
P/N: 06100934
FME(M) R/A Plug For P.C.B
Mount

MC CARD connectors are suitable for DC up to 6 GHz, Applications include wireless Network communication and etc. MC CARD is quick connection/disconnection snap-on mating.

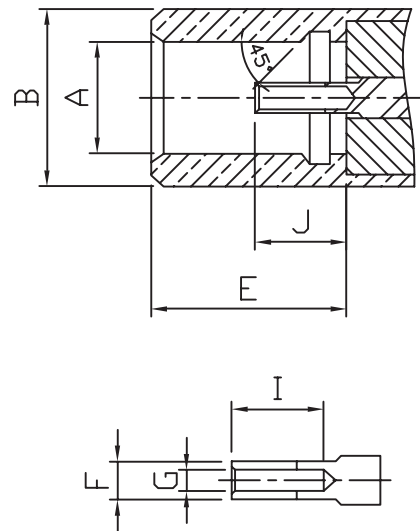


Interface Mating Dimensions

Male



Female



LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ1.35	Φ.053	Φ1.45	Φ.057
B	Φ1.80	Φ.071	Φ1.90	Φ.075
C	Φ2.97	Φ.117	Φ3.00	Φ.118
D	3.15	.124	3.25	.128
E	1.25	.049	1.35	.053
F	3.35	.132	3.45	.136
G	Φ0.33	Φ.013	Φ0.37	Φ.041
H	Φ0.58	Φ.023	Φ0.62	Φ.024
I	1.40	.055	1.50	.059

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	Φ1.90	Φ.075	Φ2.00	Φ.079
B	Φ2.90	Φ.144	Φ2.96	Φ.116
C	Φ2.90	Φ.144	Φ2.96	Φ.116
D	1.50	.059	1.70	.067
E	3.20	.126	3.40	.134
F	Φ0.58	Φ.023	Φ0.62	Φ.024
G	Φ0.33	Φ.013	Φ0.43	Φ.017
H	Φ0.70	Φ.027	Φ0.80	Φ.031
I	3.20	.126	3.40	.134

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Nickel or gold plating
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C 1730)	Gold plating
Insulator	PTFE	None
Crimp ferrule	Annealed copper	Same as body

Electrical:

Nominal impedance	50 Ω
Frequency up to	6.0 GHz
VSWR	1.40 max. at 2.5 GHz
Working voltage	100 Volts rms.
Dielectric withstanding voltage	250 Volts rms.
Insulation resistance	500 M Ω min.
Contact resistance	Center conductor 5.0 M Ω initial
	Outer conductor 3.0 M Ω initial

Mechanical & Environmental:

Mating	Snap on coupling
Durability	≥ 500 cycles
Engagement force	20 N max.
Disengagement force	5 N min.
Temperature range	-25 $^{\circ}$ C to +125 $^{\circ}$ C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Shock	Per Mil-STD-202 method 213 Test Condition I
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Material / Finish:

	Material	Finish
Connector body	Brass per (QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per (QQ-C-530 or JIS-C1730)	Gold plating
Insulator	PTFE	None
Sleeve	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Spring	Stainless steel	None

Electrical:

Nominal impedance	50 Ω
Frequency up to	3.0GHz
VSWR	1.40 max. at 2.5GHz
Working voltage	100 Volts rms.
Dielectric withstanding voltage	250 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	Center conductor 5.0 m Ω initial
	Outer conductor 3.0 m Ω initial

Mechanical & Environmental:

Mating	Snap on coupling
Durability	\geq 500 cycles
Engagement force	10 N max.
Disengagement force	5 N min.
Temperature range	-45 $^{\circ}$ C to +125 $^{\circ}$ C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Shock	Per MIL-STD-202 Method 213 Test Condition I
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Cable type

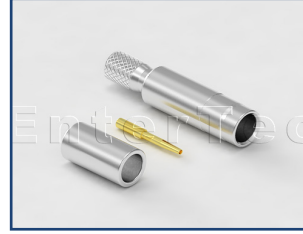
[View cable group](#)



P/N: 10130813
MC CARD(M) S/T Plug



P/N:13130204
MC CARD(M) R/A Plug



P/N: 10131009
MC CARD(F) S/T Jack



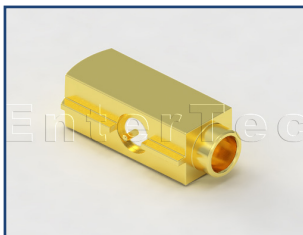
P/N: 10131109
MC CARD(F) R/A Jack

PCB type



P/N: 41131234
MC CARD(M) S/T Plug For P.C.B
Mount

Switch



P/N: 10130934
MC CARD(F) S/T Jack For
Switch Edge Card Receptacle



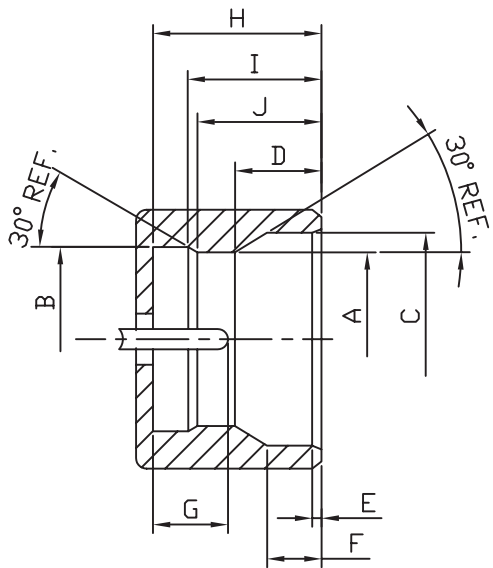
P/N: 41130334
MC CARD(F) S/T Jack For
Switch Edge Card Receptacle

SMP connectors is designed for high density mounting packaging. The low profile design of SMP connectors permits module mounting with a center- to -center dimension as low as possible. Aliner SMP series provides 3 levels of retention by the male cont.

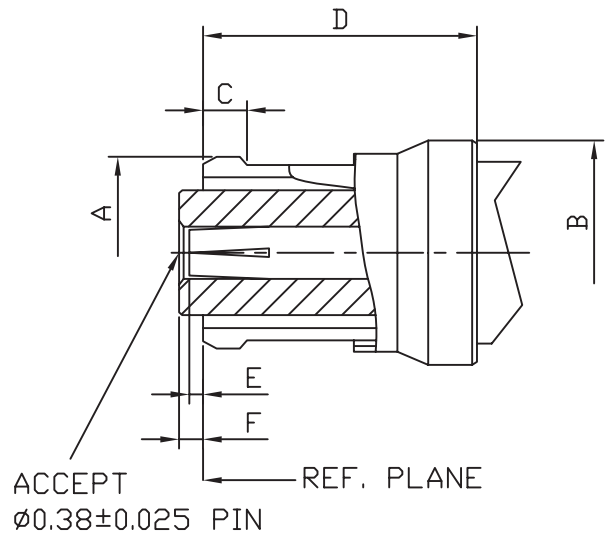


Interface Mating Dimensions

Female



Male



LTR	Millimeters / Inches			
	Minimum		Maximum	
A	$\varnothing 2.90$	$\varnothing .114$	$\varnothing 3.00$	$\varnothing .118$
B	$\varnothing 3.15$	$\varnothing .124$	$\varnothing 3.23$	$\varnothing .127$
C	$\varnothing 3.55$	$\varnothing .140$	$\varnothing 3.65$	$\varnothing .144$
D	$\varnothing 3.76$	$\varnothing .148$	$\varnothing 3.86$	$\varnothing .152$
E	0.08	.003	0.18	.007
F	0.84	.033	0.94	.037
G	0.89	.035	1.78	.070
H	2.75	.108	2.85	.112
I	2.18	.086	2.28	.090
J	1.98	.078	2.08	.082
K	1.40	.055	1.45	.057

LTR	Millimeters / Inches			
	Minimum		Maximum	
A			$\varnothing 3.43$	$\varnothing .135$
B			$\varnothing 3.70$	$\varnothing .145$
C	0.64	.025	0.89	.035
D	3.40	.132		
E	-0.12	-.005	0.00	0.00
F	-0.12	-.005	0.00	0.00
G				
H				
I				
J				
K				

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
	Beryllium copper per (QQ-C-530 or JIS-C1730)	
Center contact male	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C 1730)	Gold plating
Insulator	PTFE pre ASTM D1710 and ASTM D1457 or none	None
Shroud non-hermetic	Stainless steel(SUS-303)	Passivated

Electrical:

Nominal impedance	50 Ω
Frequency up to	12GHz
VSWR	1.25 @ 6.0 GHz
	1.50 @ 12.0 GHz
Working voltage	250 Volts rms.
Dielectric withstanding voltage	500 Volts rms.
Insulation resistance	5000 M Ω min.
Contact resistance	Center conductor 6.0 m Ω
	Outer conductor 1.5m Ω

Mechanical & Environmental:

Mating	Snap on coupling
Engage force	15 1bs full detent
	10 1bs limited detent
	2.5 1bs smooth bore
Disengage force	7 1bs full detent
	3 1bs limited detent
	0.5 1bs smooth bore
Durability	\geq 250 cycles limited detent typical.
Temperature range	-55 $^{\circ}$ C to +155 $^{\circ}$ C
Vibration	Per MIL-STD-202 Method 204 Test Condition D
Corrosion	Per MIL-STD-202 Method 101 Test Condition B

Cable type

[View cable group](#)



P/N: 13251219
SMP(F Contact) S/T Plug



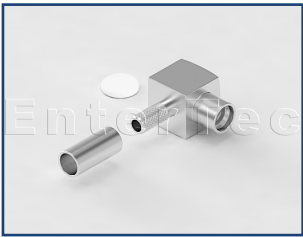
P/N: 13250606
SMP(F Contact) R/A Plug



P/N: 04250613
SMP(F Contact) R/A Plug

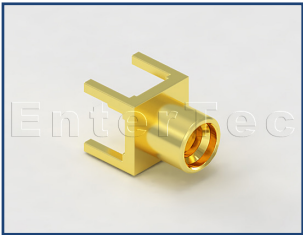


P/N: 04250113
SMP(M Contact) S/T Jack



P/N: 04250513
SMP(M Contact) R/A Jack

PCB type



P/N: 04250434
SMP(M Contact) S/T Jack For P.C.B Mount



P/N: 04250334
SMP(F Contact) S/T Plug For P.C.B Mount



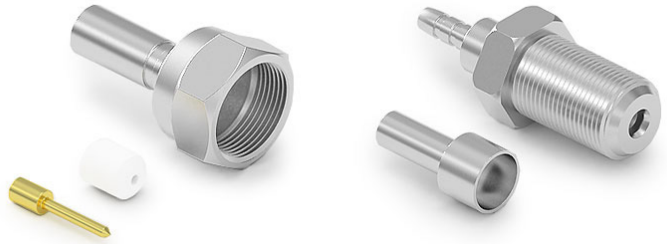
P/N: 10250834
SMP(M Contact) S/T Jack For SMT



P/N: 10250734
SMP(M Contact) S/T Jack For SMT

F series are economically priced connectors specially designed for using with NTSC TV ANTENNA, MATV, and satellite communication applications.

Countries using the NTSC system include: The Bahama Islands, Canada, America, Japan, Korea, Mexico, Taiwan, the Philippines, and the U.S.A.



Electrical:

Nominal impedance	75 Ω	
Frequency up to	0-2 GHz	
Working voltage	250 Volts rms.	
Dielectric withstanding voltage	500 VRMS Min.	
VSWR	1.35 Max.	
Contact resistance	Center contact	5 Milliohms Max.
	Outer contact	2 Milliohms Max.
Insulator resistance	1000 Megohms min.	

Mechanical

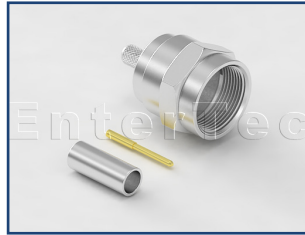
Parts name	Material	Finish
Body, Metal parts	Brass per QQ-B-626	Nickel 70 micro-inches
Center contact	Male: Brass per QQ-B-626	Gold 3 micro-inches
	Female: Phosphor Bronze per QQ-B-750	Gold 3 micro-inches
Insulators	Teflon, Delrin	None
Crimp ferrules	Annealed Brass	Nickel 70 micro-inches
Clamp Gaskets	Synthetic rubber	None

NOTE: Other Material/Finish is Available on Request

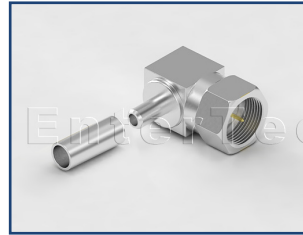
Cable type

[View cable group](#)


P/N: 03201010
F(M) S/T Plug



P/N: 06200113
F(M) S/T Plug



P/N: 06200211
F(M) R/A Plug



P/N: 24200310
F(F) S/T Jack

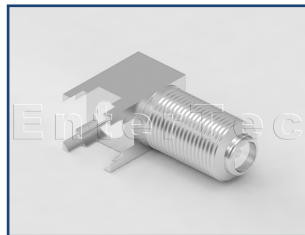


P/N: 06200310
F(F) S/T Bulkhead Jack

PCB type



P/N: 06200834
F(F) S/T Bulkhead Jack For
P.C.B Mount



P/N: 06200734
F(F) R/A Jack For P.C.B Mount



P/N: 06200634
F(F) S/T Bulkhead Jack
Receptacle



P/N: 06200534
F(F) S/T Bulkhead Jack
Receptacle



P/N: 03203034
F(F) R/A Bulkhead Jack For
P.C.B Mount

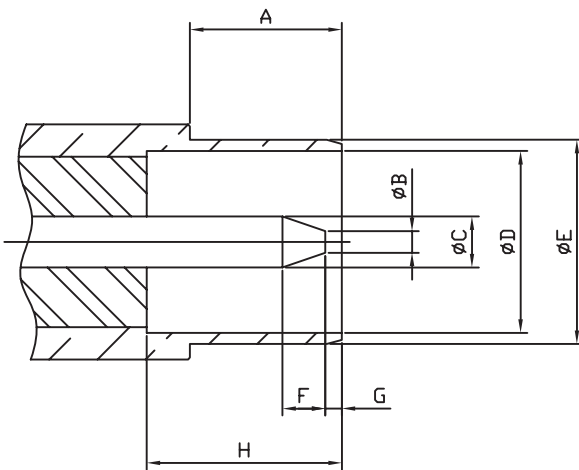


P/N: 03203034
F(F) R/A Bulkhead Jack For
P.C.B Mount

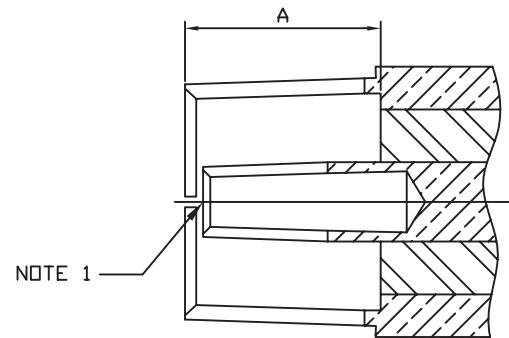
IEC/PAL connectors are developed for use on Phase Alternate Line TV antenna receiving equipment. Countries using the PAL system include: Australia, Austria, Belgium, China, Denmark, Finland, Germany, Great Britain, Hong Kong, Kuwait, Netherlands, Norway, Portugal, Singapore, Spain, Sweden, Switzerland and Thailand.

Interface Mating Dimensions

Male



Female



NOTE 1 : I.D. TO MEET VSWR AND CONTACT RESISTANCE WHEN MATED WITH 2.4 MM DIA. PIN.

PLUG		
Letter	Millimeters	
	Minimum	Maximum
A	7.11	-
B	0.90	1.30
C	2.30	2.83
D	8.50	-
E	9.48	9.57
F	-	2.00
G	0.40	1.20
H	9.10	-

JACK		
Letter	Millimeters	
	Minimum	Maximum
A	7.54	-

Electrical:

Nominal impedance		75Ω
Frequency Range		0-1 GHz
Working voltage		500 VRMS max.
Dielectric withstanding voltage		1500 VRMS min.
VSWR	Straight	Not defined
	Right angle	
Contact resistance	Center contact	5 Milliohms max.
	Outer contact	2 Milliohms min.
Insulator resistance		5000 Megohms min.

Mechanical & Environmental:

Parts name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Nickel 70 micro-inches
Center contact	Male: Brass per QQ-B-626	Nickel 70 micro-inches
	Female: Brass per QQ-B-626	Nickel 70 micro-inches
Insulator	Delrin	None
Crimp ferrule	Annealed copper	Nickel 70 micro-inches

NOTE: Other Material / Finish is Available on Request

Cable type

[View cable group](#)



P/N: 06240445
IEC/PAL(M) S/T Plug



P/N:06240410
IEC/PAL(M) S/T Plug



P/N: 06240110
IEC/PAL(F) S/T Jack



P/N: 06240145
IEC/PAL(F) S/T Jack

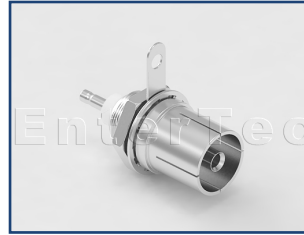
PCB type



P/N: 06240634
IEC/PAL(M) S/T Bulkhead Plug
Receptacle



P/N:06240834
IEC/PAL(M) S/T Bulkhead Plug
Receptacle



P/N: 06240534
IEC/PAL(F) S/T Bulkhead Jack
Receptacle



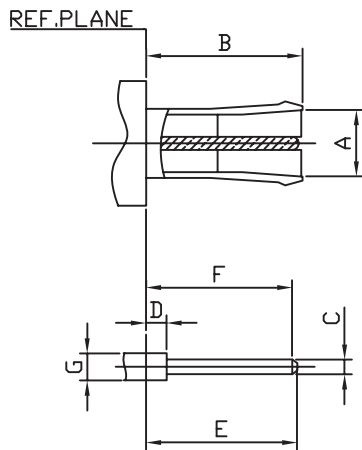
P/N: 06240734
IEC/PAL(F) S/T Bulkhead Jack
Receptacle

1.0/2.3 series is a compact design which provides a push-pull coupling system allowing quick installation; they are ideally suited to applications where space is limited. 1.0/2.3 coaxial connectors are 50ohm units operating from 0-6 GHz

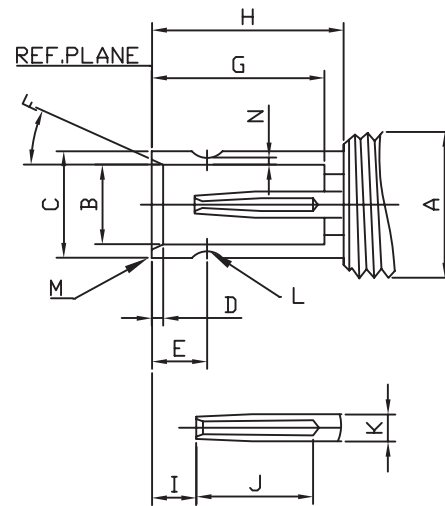


Interface Mating Dimensions

Male



Female



LTR	Millimeters / Inches			
	Minimum		Maximum	
A	$\Phi 2.30$	$\Phi .091$	nominal	
B	5.40	.213	5.70	.224
C	$\Phi 0.47$	$\Phi .018$	$\Phi 0.52$	$\Phi .020$
D			1.15	.045
E			5.50	.217
F	4.50	.177		
G	$\Phi 1.00$	$\Phi .039$	nominal	
H				
I				
J				
K				
L				

LTR	Millimeters / Inches			
	Minimum		Maximum	
A	M5.5*0.5			
B	$\Phi 3.00$	$\Phi .118$	$\Phi 3.06$	$\Phi .120$
C	$\Phi 4.03$	$\Phi .159$	$\Phi 4.14$	$\Phi .163$
D	0.50	.020	0.60	.024
E	1.80	.071	1.90	.075
F	$30^{\circ} \pm 2^{\circ}$			
G	5.80	.228	5.90	.232
H	6.40	.252	6.50	.256
I	1.15	.045	1.75	.069
J	4.50	.177		
K	$\Phi 1.00$	$\Phi .039$	nominal	
L	R0.75	R .030	R0.85	R .033
M			R0.30	R .011
N	$\Phi 3.53$	$\Phi .139$	$\Phi 3.60$	$\Phi .142$

Material / Finish:

	Material	Finish
Connector body	Brass per(QQ-B-626 or JIS-C3604B)	Nickel or Gold plating
Gold plating	Brass per(QQ-B-626 or JIS-C3604B)	Gold plating
Center contact female	Beryllium copper per(QQ-C-530 or JIS-C1730)	Gold plating
	Phosphor bronze per(QQ-B750 or JIS-C5441B)	
Insulator	PTFE	None

Electrical:

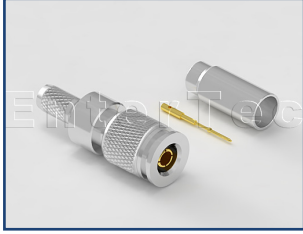
Nominal impedance	50Ω
Frequency up to	6.0 GHz
VSWR	1.35 Max.
Working voltage	250 Volts rms Max.
Dielectric withstanding voltage	500 Volts rms Min.
Insulation resistance	1000 MΩ min.
Contact resistance	Center conductor 4.0 mΩ initial
	Outer conductor 2.0 mΩ initial

Mechanical & Environmental:

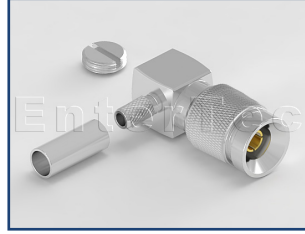
Mating	Snap on coupling
Cable retention	2.3 Kgf typical
Durability	≧ 500 cycles
Engagement force	2.75 Kgf Max.
Disengagement force	0.4 Kgf Min
Temperature range	-55 °C to +155 °C
Vibration	Per Mil-STD-202 method 204 Test Condition D
Corrosion	Per Mil-STD-202 method 101 Test Condition B

Cable type

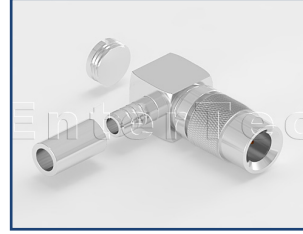
[View cable group](#)



P/N: 13040148
1.0/2.3(M) S/T Plug



P/N:06040310
1.0/2.3(M) R/A Plug(75 Ohm)



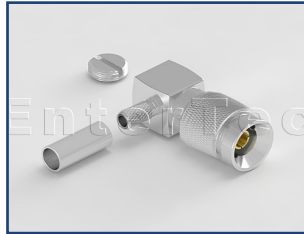
P/N: 11040348
1.0/2.3(M) R/A Plug
Push-Lock Type(75 Ohm)



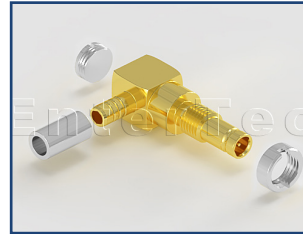
P/N: 06040213
1.0/2.3(F) S/T Bulkhead Jack



P/N: 11040172
1.0/2.3(M) S/T Plug(75 Ohm)

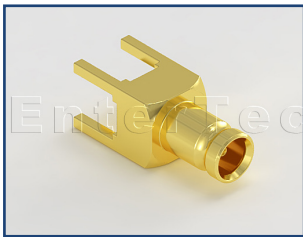


P/N:06040313
1.0/2.3(M) R/A Plug

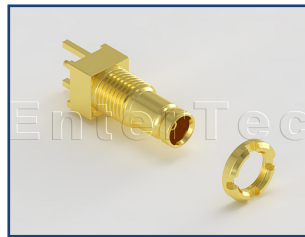


P/N: 11040448
1.0/2.3(F) R/A Bulkhead Jack
Receptacle

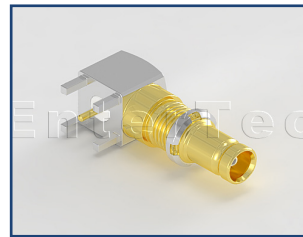
PCB type



P/N: 06040734
1.0/2.3(F) S/T Jack For P.C.B
Mount(75 Ohm)



P/N:06040934
1.0/2.3(F) S/T Bulkhead Jack
For P.C.B Mount(75 Ohm)



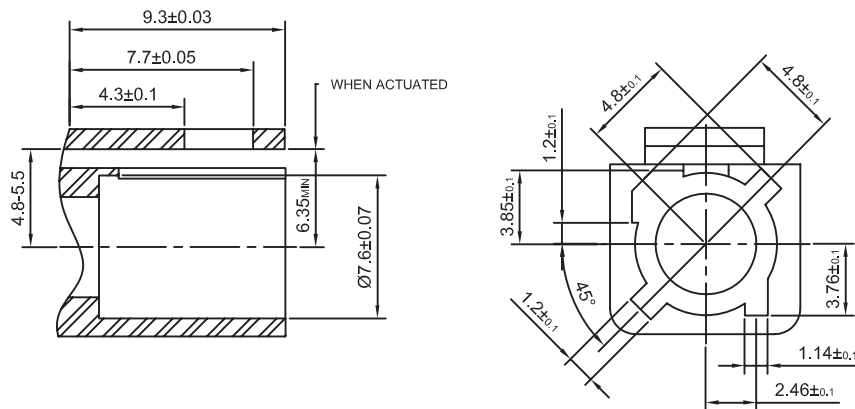
P/N: 06040834
1.0/2.3(F) R/A Jack For P.C.B
Mount(75 Ohm)

To cope with growth demands in telematics and multimedia applications for modern automobile, Automotive Industries created a high-performing, cost-effective RF connector based on the FAKRA and USCAR standards. Based on SMB interface, FAKRA connectors include a plastic housing and are designed with multiple colored codes for easy identification.

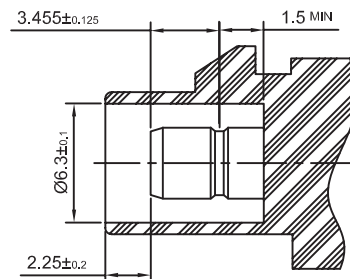
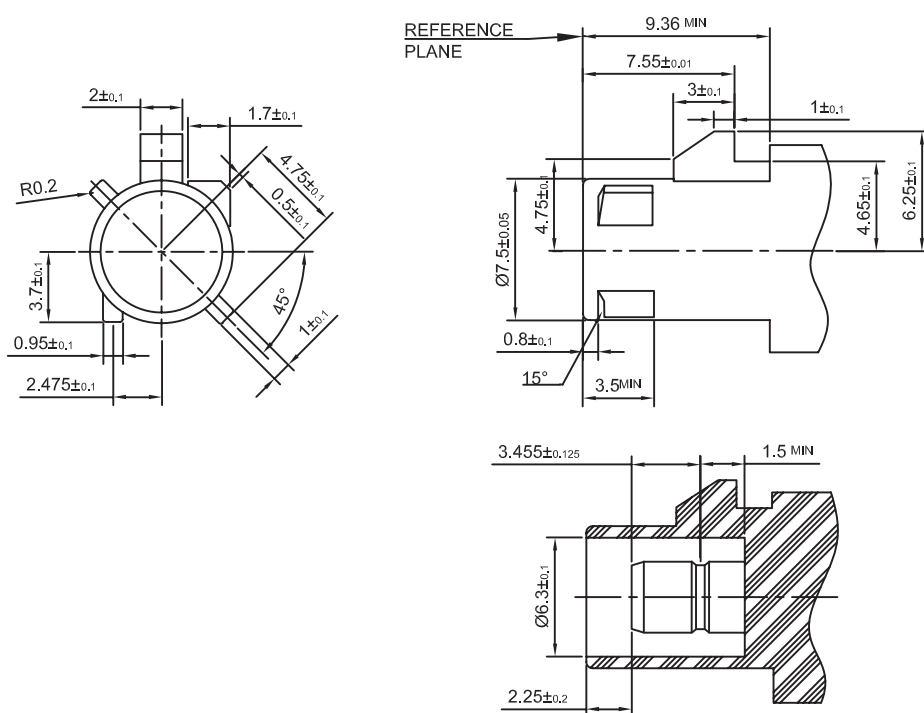
FAKRA connectors are designed to operate up to 4GHz and for applications of particular mechanical and environmental requirements of the automobile industry such as Digital Satellite Radio(SDARS),GSM,GPS.

Interface Mating Dimensions

Plug



Jack



Material / Finish:

	Material	Finish
Plastic housing	PA66 W / 15%Glass Fiber	See Coding Color
Body, Metal parts	Brass per QQ-B-626	Nickel 70 micro-inches
Center contact	Male: Brass per QQ-B-626	Gold 3 micro-inches
	Female: Beryllium copper per QQ-C-530	Gold 3 micro-inches
Insulators	Teflon	None
Crimp ferrules	Annealed Brass	Nickel 70 micro-inches

Electrical:

Nominal impedance	50Ω	
Frequency range	0 - 4GHz	
Working voltage	RG-178; 250 VRMS max.	
	RG-316, .085"; 335 VRMS max.	
Dielectric withstanding voltage	RG-178; 750 VRMS min.	
	RG-316, .085" ; 1000 VRMS min.	
VSWR	Straight	1.30 Max.
	Right Angle	1.50 Max
Contact resistance	Center contact	20 Milliohms Max.
	Outer contact	10 Milliohms Max.
Insulator resistance	1000 Megohms min.	

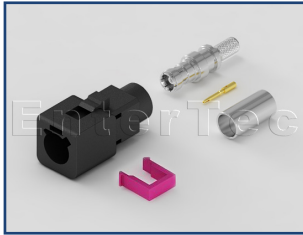
Mechanical & Environmental:

Engagement force	25N.max.
Disengagement	2N.min.
Contact Retention	4 lbs.min.
Durability(Mating)	25 cycles min
Temperature Range	-40°C to 105°C
Vibration	MIL-STD-202 Method 204 Test Cond.B.
Salt Spray	MIL-STD-202 Method 101 Test Cond.B.
Thermal Shock	MIL-STD-202 Method 107 Test Cond.B.

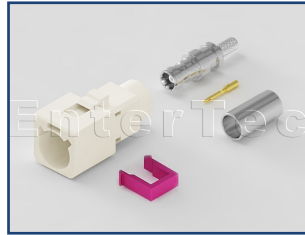
NOTE: Other Material/Finish is Available on Request

Cable type

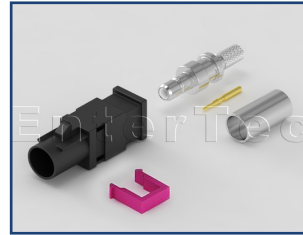
[View cable group](#)



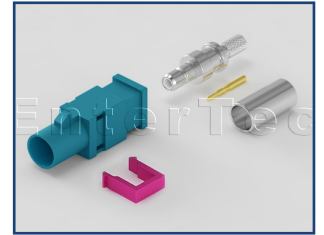
P/N:06210113
FAKRA SMB(F Contact) S/T
Plug Code A



P/N: 06211913
FAKRA SMB(F Contact) S/T
Plug Code B



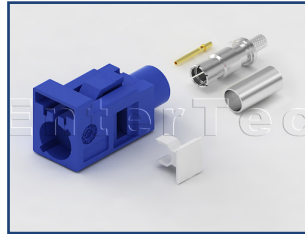
P/N: 06210213
FAKRA SMB(M Contact) S/T
Jack Code A



P/N: 06211013
FAKRA SMB(M Contact) S/T
Jack Code Z

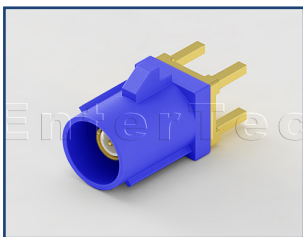


P/N: 10210141
FAKRA SMB(F Contact) S/T
Plug Code A

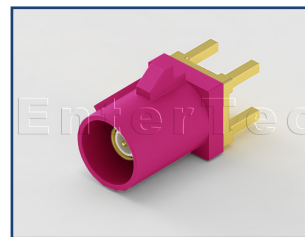


P/N: 10210309
FAKRA SMB(F Contact) S/T
Plug Code C

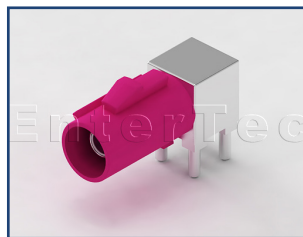
PCB type



P/N: 06216534
FAKRA SMB(M Contact) S/T
Jack For P.C.B Mount Code C



P/N: 06216634
FAKRA SMB(M Contact) S/T
Jack For P.C.B Mount Code D



P/N:00530434
FAKRA SMB(M Contact) R/A
Jack For P.C.B Mount Code D



P/N: 06216434
FAKRA SMB(M Contact) R/A
Jack For P.C.B Mount Code Z