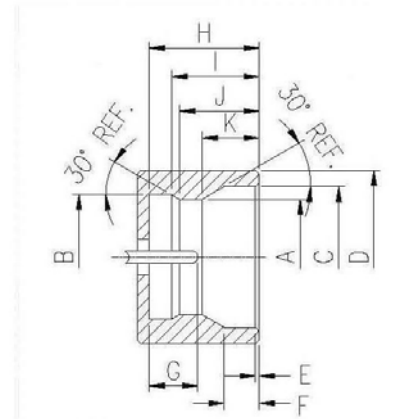
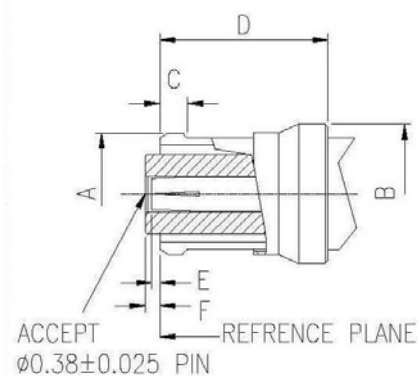


Description

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



Male				Female			
LTR	Millimeters / Inches			LTR.	Millimeters / Inches		
	Minimum		Maximum		Minimum		Maximum
A			Φ3.43 Φ.135	A	Φ2.90 Φ.114	Φ3.00 Φ.118	
B			Φ3.70 Φ.145	B	Φ3.15 Φ.124	Φ3.23 Φ.127	
C	0.64 .025		0.89 .035	C	Φ3.55 Φ.140	Φ3.65 Φ.144	
D	3.40 .132			D	Φ3.76 Φ.148	Φ3.86 Φ.152	
E	-0.12 - .005	0.00 0.00		E	0.08 .003	0.18 .007	
F	-0.12 - .005	0.00 0.00		F	0.84 .033	0.94 .037	
G				G	0.89 .035	1.78 .070	
H				H	2.75 .108	2.85 .112	
I				I	2.18 .086	2.28 .090	
J				J	1.98 .078	2.08 .082	
K				K	1.40 .055	1.45 .057	
L				L			

Note: DIM. B FULL DETENT

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	50Ω
Frequency up to	12 GHz
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 MΩmin.
Contact resistance	Center conductor 6.0 mΩ
	Outer conductor 1.5mΩ

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	≥ 250 cycles limited detent typical.
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

SMP Connector



P/N:04250113

SMP(M Contact) S/T Jack For RG-174/316



P/N:04250513

SMP(M Contact) R/A Jack For RG-174/316



P/N:10250219

SMP(F Contact) S/T Plug For .085 Semi-Rigid,
RG-405



P/N:04250613

SMP(F Contact) R/A Plug For RG-174/316



P/N:10250606

SMP(F Contact) R/A Plug For 1.37mm

SMP Connector



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

Description

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:

Impedance		75Ohm
Frequency range		0-2 GHz
Working voltage		250 VRMS Max.
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.

Material:

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