

SMB, SMC, SLIDE-ON SERIES

SMB, SMC SPECIFICATIONS

MECHANICAL

Materials:

Bodies and Male contacts – Brass per QQ - B - 626
 Female contacts – Beryllium Copper per QQ - C - 530
 Insulators – Teflon* per Mil - P - 19468

Finish:

Contacts – .000050 min. Gold

Other metal parts – Gold Plated

Mating Characteristics:

Center contact, Socket – 1 oz. minimum withdrawal

Engagement – Screw-on, 16 in. - oz. max

Snap-on, initial 14 lbs. max., After
 500 cycles, 2 lbs. min.

Slide-on, initial 6 lbs. max., After
 500 cycles, .5 lbs. min.

Mating Torque – Screw-on, 60-75 in. - oz.

Coupling Proof Torque – 100 in. - oz. min.

ELECTRICAL

Impedance – 50 ohms nominal

Frequency range – 0 to 10.0 GHZ

Insulation resistance – 1000 megohms min.

Contact resistance

Center contact – 6.0 milliohms max

Outer contact – 1.0 milliohms max

Braid to body – 1.0 milliohms max

Dielectric Withstanding Voltage (DWV)

Cables	Vrms
RG178U	1000
RG316U	1500

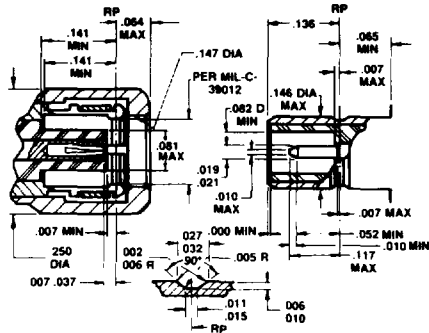
RF Leakage – 60DB minimum

Insertion Loss – .25DB max at 4GHZ

This Commercial Connector Series is designed to interface with connectors that are manufactured to meet MIL-C-39012.

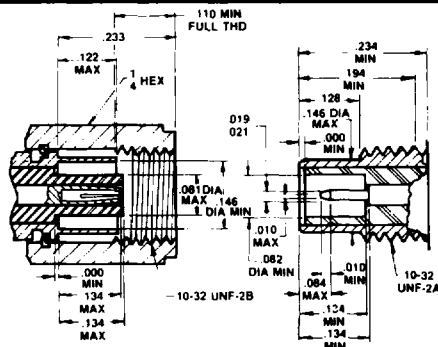
*Teflon® is Du Pont's registered trademark.

SMB, SMC, SLIDE-ON INTERFACE DIMENSIONS



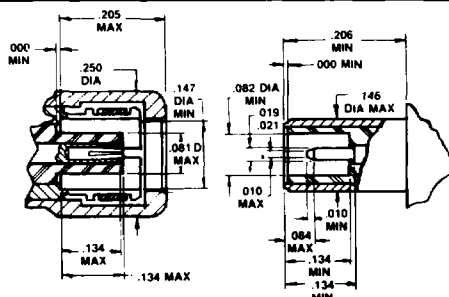
SMB (Snap-on)

A subminiature connector for rapid connect disconnect and where space limitations prohibit the use of wrenches. Mating is closed entry for ease of mating and for prevention of damage to the interface.



SMC (Screw-on)

A subminiature connector with good electrical characteristics and positive mechanical engagement. Our connector has a retaining ring, that permits torquing with no deformation of material or degradation of performance. Coupling nuts are retractable and cannot pull off after repeated matings.



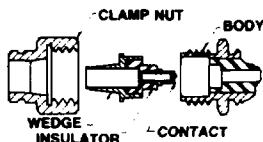
Slide-On

The subminiature slide-on is designed for rack-and-panel installation, or blind mating. The mating is closed entry to prevent connector damage. The connectors are held in the mated condition by external components.

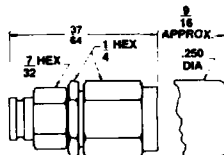
SMB, SMC, SLIDE-ON SERIES

CLAMP, FLEXIBLE CABLE

Our clamp cable attachment is an innovative design to achieve excellent electrical characteristics with a minimum number of parts. It is especially suited for high production and where field repairability is essential. The cable is retained in the connector body by a rear nut that clamps the cable braid and jacket to a wedge surface. The center contact is captured between the rear and front insulators.

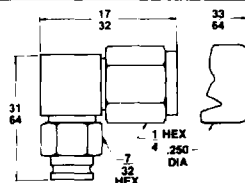


Plug, Straight Cabling Procedure P



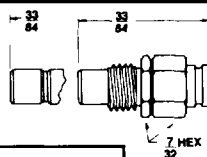
SERIES	PART NUMBER	CABLE
SMB	800-1300	RG178, 196, 404
SMC	800-1301	
Slide-On	800-1302	
SMB	800-1001	RG188, 316, 187, 174, 179
SMC	800-1000	
Slide-On	800-1303	

Plug, Right Angle Cabling Procedure R



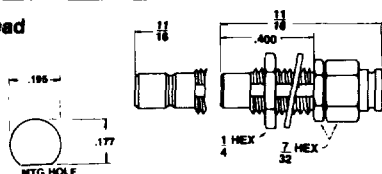
SERIES	PART NUMBER	CABLE
SMB	800-1304	RG178, 196, 404
SMC	800-1305	
Slide-On	800-1306	
SMB	800-1005	RG188, 316, 187, 174, 179
SMC	800-1004	
Slide-On	800-1307	

Jack, Straight Cabling Procedure P



SERIES	PART NUMBER	CABLE
SMB	800-1308	RG178, 196, 404
SMC	800-1309	
Slide-On	800-1310	
SMB	800-1311	RG188, 316, 187, 174, 179
SMC	800-1312	
Slide-On	800-1313	

Jack, Straight, Bulkhead Cabling Procedure P

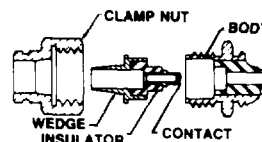


SERIES	PART NUMBER	CABLE
SMB	800-1314	RG178, 196, 404
SMC	800-1315	
Slide-On	800-1316	
SMB	800-1009	RG188, 316, 187, 174, 179
SMC	800-1008	
Slide-On	800-1317	

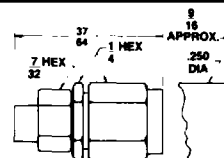
SOLDER-CLAMP, SEMI-RIGID CABLE

Our solder-clamp termination is especially designed for assembling semi-rigid coax cable to a connector body. The cable is soldered into a sleeve which in turn is clamped into the body with a rear nut. This method minimizes the teflon extrusion problem associated with direct solder designs and also results in excellent electrical performance. Center contact is captured between insulators.

*Teflon® is Du Pont's registered trademark.

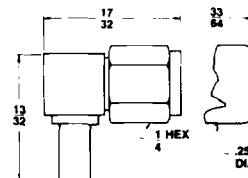


Plug, Straight Cabling Procedure M



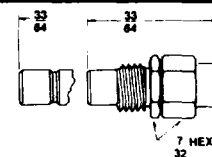
SERIES	PART NUMBER	CABLE
SMB	800-1400	.070 semi-rigid
SMC	800-1401	
SMB	800-1402	.086 semi-rigid
SMC	800-1403	

Plug, Right Angle Cabling Procedure C (Solder)



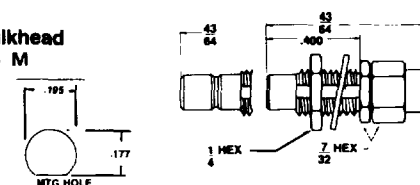
SERIES	PART NUMBER	CABLE
SMB	800-1404	.070 semi-rigid
SMC	800-1405	
SMB	800-1406	.086 semi-rigid
SMC	800-1407	

Jack, Straight Cabling Procedure M



SERIES	PART NUMBER	CABLE
SMB	800-1408	.070 semi-rigid
SMC	800-1409	
SMB	800-1410	.086 semi-rigid
SMC	800-1411	

Jack, Straight, Bulkhead Cabling Procedure M



SERIES	PART NUMBER	CABLE
SMB	800-1412	.070 semi-rigid
SMC	800-1413	
SMB	800-1414	.086 semi-rigid
SMC	800-1415	

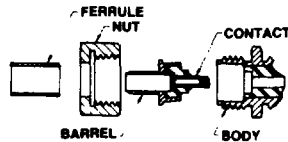
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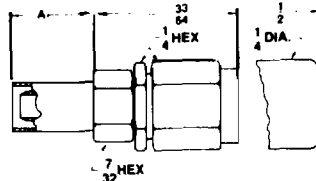
SMB, SMC, SLIDE-ON SERIES

CRIMP, FLEXIBLE CABLE

Our crimp cable termination is designed for lowest cost to the user due to higher assembly production rates and low initial cost. The connector is not field serviceable, but the rear assembly can be replaced if the user desires. The cable braid is crimped to a removable barrel with a standard crimp tool. The barrel is assembled to the connector with a rear nut.

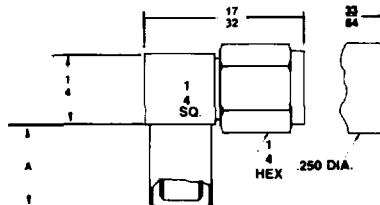


Plug, Straight Cabling Procedure F



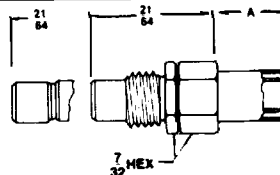
SERIES	PART NUMBER	A	CABLE
SMB	800-1500	.31	RG178, 196, 404
SMC	800-1501	.31	
Slide-On	800-1502	.31	
SMB	800-1003	.38	RG188, 316, 187, 174, 179
SMC	800-1002	.38	
Slide-On	800-1503	.38	

Plug, Right Angle Cabling Procedure H



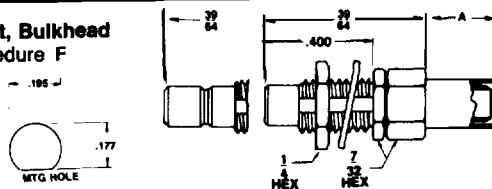
SERIES	PART NUMBER	A	CABLE
SMB	800-1504	.31	RG178, 196, 404
SMC	800-1505	.31	
Slide-On	800-1506	.31	
SMB	800-1007	.38	RG188, 316, 187, 174, 179
SMC	800-1006	.38	
Slide-On	800-1507	.38	

Jack, Straight Cabling Procedure F



SERIES	PART NUMBER	A	CABLE
SMB	800-1508	.31	RG178, 196, 404
SMC	800-1509	.31	
Slide-On	800-1510	.31	
SMB	800-1511	.38	RG188, 316, 187, 174, 179
SMC	800-1512	.38	
Slide-On	800-1513	.38	

Jack, Straight, Bulkhead Cabling Procedure F

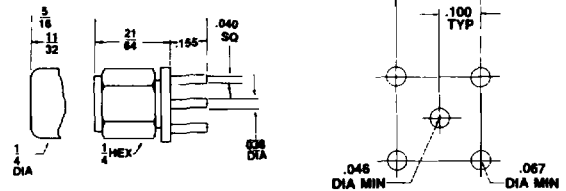


SERIES	PART NUMBER	A	CABLE
SMB	800-1514	.31	RG178, 196, 404
SMC	800-1515	.31	
Slide-On	800-1516	.31	
SMB	800-1011	.38	RG188, 316, 187, 174, 179
SMC	800-1010	.38	
Slide-On	800-1517	.38	

RECEPTACLES, PRINTED CIRCUIT

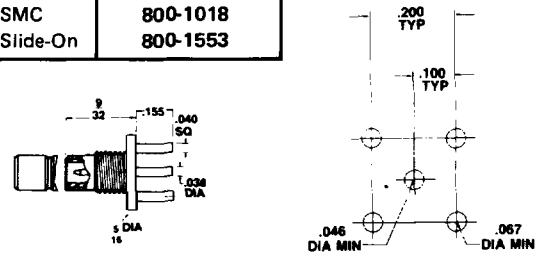
Plug, Straight

SERIES	PART NUMBER
SMB	800-1550
SMC	800-1551
Slide-On	800-1552



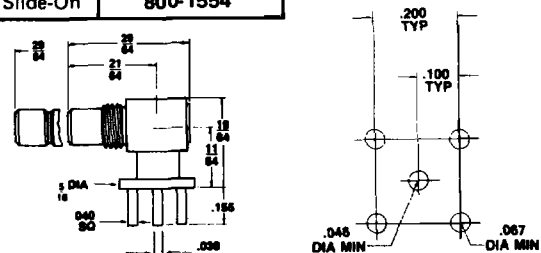
Jack, Straight

SERIES	PART NUMBER
SMB	800-1019
SMC	800-1018
Slide-On	800-1553



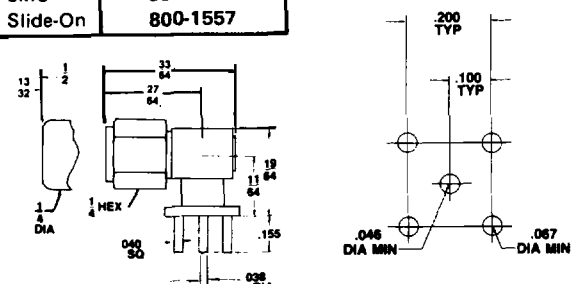
Jack, Right Angle

SERIES	PART NUMBER
SMB	800-1021
SMC	800-1022
Slide-On	800-1554



Plug, Right Angle

SERIES	PART NUMBER
SMB	800-1555
SMC	800-1556
Slide-On	800-1557



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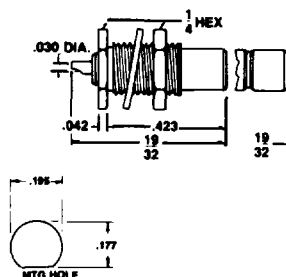
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SMB, SMC, SLIDE-ON SERIES

RECEPTACLES, BULKHEAD MOUNT, SOLDER POT

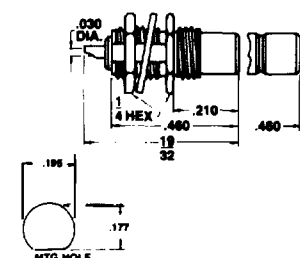
Jack, Rear Mount

SERIES	PART NUMBER
SMB	800-1013
SMC	800-1012
Slide-On	800-1600



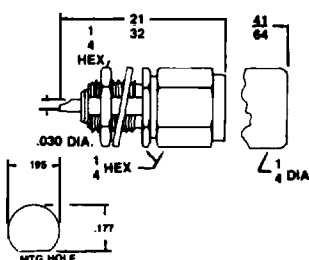
Jack, Front Mount

SERIES	PART NUMBER
SMB	800-1015
SMC	800-1014
Slide-On	800-1601



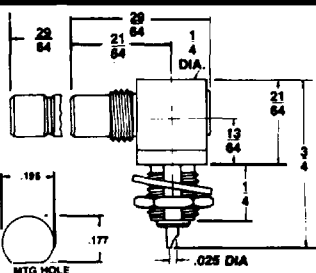
Plug, Front Mount

SERIES	PART NUMBER
SMB	800-1602
SMC	800-1603
Slide-On	800-1604



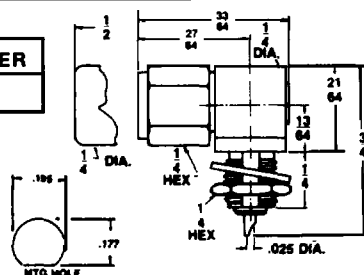
Jack, Right Angle

SERIES	PART NUMBER
SMB	800-1016
SMC	800-1017



Plug, Right Angle

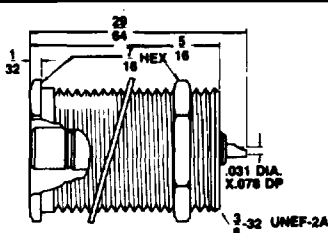
SERIES	PART NUMBER
SMB	800-1606



Jack, Flush Mount

SERIES	PART NUMBER
SMB	800-1609
Slide-On	800-1610

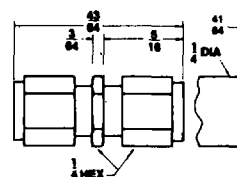
MTG HOLE



ADAPTERS, SMB, SMC, SLIDE-ON

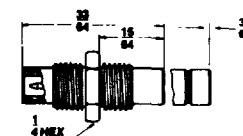
Plug/Plug

SERIES	PART NUMBER
SMB	800-1620
SMC	800-1621
Slide-On	800-1622



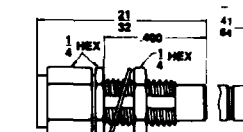
Jack/Jack

SERIES	PART NUMBER
SMB	800-1623
SMC	800-1624
Slide-On	800-1625



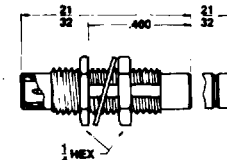
Jack/Bulkhead Jack

SERIES	PART NUMBER
SMB	800-1626
SMC	800-1627
Slide-On	800-1628



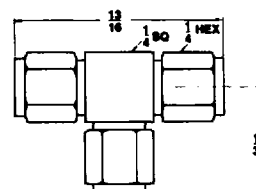
Jack/Bulkhead Jack

SERIES	PART NUMBER
SMB	800-1629
SMC	800-1630
Slide-On	800-1631



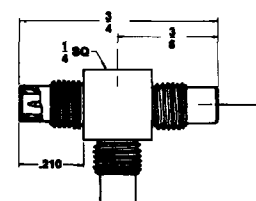
Plug/Plug/Plug, "T" Connector

SERIES	PART NUMBER
SMB	800-1632
SMC	800-1633



Jack/Jack/Jack, "T" Connector

SERIES	PART NUMBER
SMB	800-1635
SMC	800-1636



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