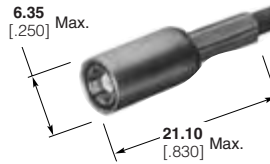


**SMB Connectors, 50 Ohm**

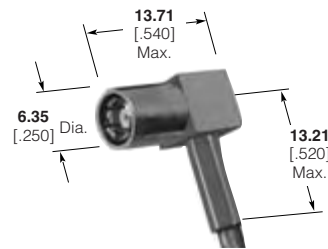
**Straight Plugs**



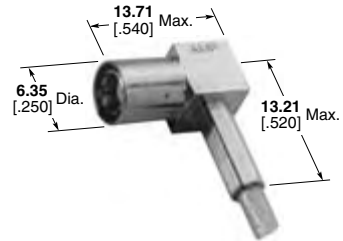
RG/U Cable	Center Contact Plating	Outer Contact Plating	Other Metal Parts Plating	Dielectric	Style	Part No.
178, 178A, 178B, 196, 196A	Gold	Gold	Nickel	TEFLON	MIL Type	<b>413985-6</b>
174, 316, 188, 188A	Gold	Gold	Gold	TEFLON	MIL Type	<b>413985-1</b>
	Gold	Gold	Nickel	TEFLON	MIL Type	<b>413985-3</b>
	Gold	Nickel	Nickel	TEFLON	MIL Type	<b>413985-7</b>
	Gold	Gold	Nickel	TEFLON	Die Cast	<b>414946-1</b>
	Gold	Nickel	Nickel	TEFLON	Die Cast	<b>5414946-2</b>
179, 179A, 179B, 161, 187, 187A, BELDEN 9221	Gold	Gold	Nickel	TEFLON	MIL Type	<b>1-413985-1</b>
	Gold	Gold	Nickel	TEFLON	Die Cast	<b>5414946-5</b>
	Gold	Nickel	Nickel	TEFLON	Die Cast	<b>5414946-6</b>
RG 316, 188 Double Braid	Gold	Gold	Gold	TEFLON	MIL Type	<b>413985-2</b>
	Gold	Gold	Nickel	TEFLON	MIL Type	<b>413985-4</b>
	Gold	Gold	Nickel	TEFLON	Die Cast	<b>5414946-3</b>
	Gold	Nickel	Nickel	TEFLON	MIL Type	<b>413985-8</b>

**Right-Angle Plugs**

**MIL Type**



**Die Cast**



RG/U Cable	Center Contact Plating	Outer Contact Plating	Other Metal Parts Plating	Dielectric	Style	Part No.
178, 178A, 178B, 196, 196A	Gold	Gold	Gold	TEFLON	MIL Type	<b>414002-7</b>
	Gold	Gold	Nickel	TEFLON	MIL Type	<b>414002-8</b>
	Gold	Gold	Nickel	TEFLON	Die Cast	<b>5414363-8</b>
174, 316, 188, 188A, 179, 179A, 179B, 161, 187, 187A, BELDEN 9221	Gold	Gold	Gold	TEFLON	MIL Type	<b>414002-1</b>
	Gold	Gold	Nickel	TEFLON	MIL Type	<b>414002-3</b>
	Gold	Nickel	Nickel	TEFLON	MIL Type	<b>414002-5</b>
	Gold	Gold	Nickel	TEFLON	Die Cast	<b>5414363-3</b>
	Gold	Nickel	Nickel	TEFLON	Die Cast	<b>5414363-5</b>
RG 316, 188 Double Braid	Gold	Gold	Gold	TEFLON	MIL Type	<b>414002-2</b>
	Gold	Gold	Nickel	TEFLON	MIL Type	<b>414002-4</b>
	Gold	Gold	Nickel	TEFLON	Die Cast	<b>5414363-4</b>

BELDEN is a trademark of Belden Wire and Cable Company.  
TEFLON is a trademark of E.I. Dupont de Nemours and Company.

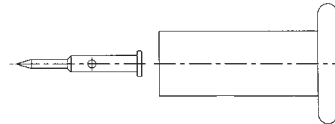
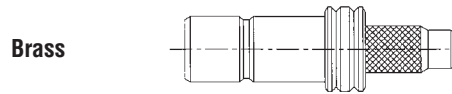
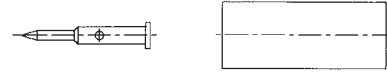
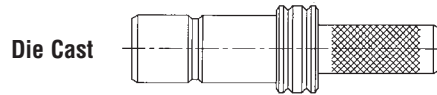
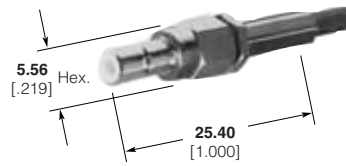
**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

**SMB Connectors, 50 Ohm (Continued)**

**Straight Jacks**

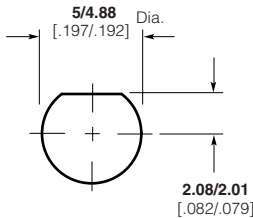
**Commercial Jack**

**MIL Type Jack**

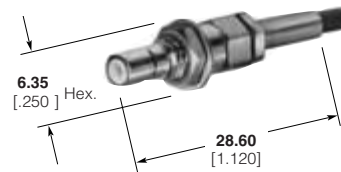


RG/U Cable	Center Contact Plating	Body Plating	Dielectric	Style	Jack Part No.
178, 178A, 178B, 196, 196A	Gold	Nickel	TEFLON	MIL Type	<b>5414170-2</b>
174, 316, 188, 188A	Gold	Nickel	TEFLON	MIL Type	<b>5414170-1</b>
	Gold	Nickel	TEFLON	Die Cast	<b>414948-1</b>
RD 316, 188 Double Braid	Gold	Nickel	TEFLON	Commercial	<b>414948-3</b>

**Bulkhead Jacks**

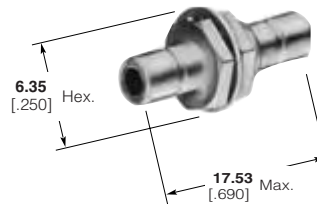


Maximum Panel Thickness **2.36** [.093]  
**Recommended Panel Cutout for Bulkhead Jack and Adapter**



RG/U Cable	Center Contact Plating	Body Plating	Dielectric	Style	Bulkhead Jack Part No.
174, 316, 188, 188A	Gold	Nickel	TEFLON	Commercial	<b>5415006-1</b>
	Gold	Nickel	TEFLON	Commercial	<b>5228217-1</b>
RD 316, 188 Double Braid	Gold	Nickel	TEFLON	Commercial	<b>5415006-2</b>

**Bulkhead Jack Adapter (Jack-Jack)**



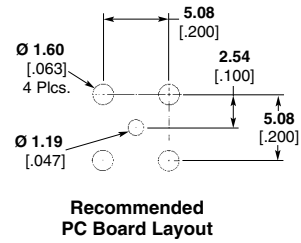
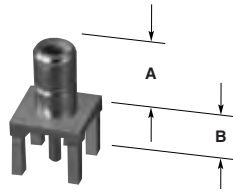
Type	Center Contact Plating	Body Plating	Dielectric	Style	Part No.
Jack-To-Jack	Gold	Nickel	TEFLON	MIL Type	<b>228553-1</b>
	Gold	Gold	TEFLON	MIL Type	<b>228553-2</b>

TEFLON is a trademark of E.I. Dupont de Nemours and Company.

**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

**SMB Connectors, 50 Ohm (Continued)**

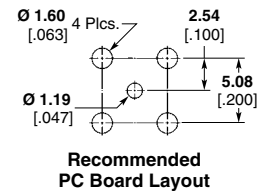
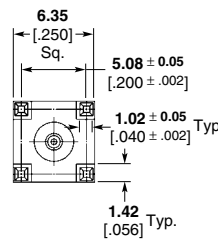
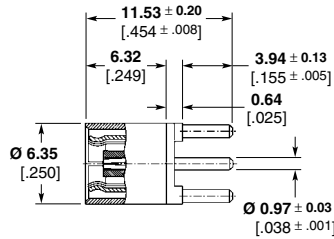
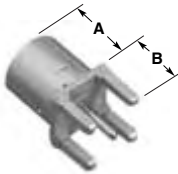
**PC Board Vertical Jacks**



**Jacks**

Type	Center Contact Plating	Body Plating	Dim. A	Dim. B	Dielectric	Style	Part No.
—	Gold	Gold	7.62 .300	3.94 .155	TEFLON	MIL Type	413990-1
—	Gold	Nickel	7.62 .300	3.94 .155	TEFLON	MIL Type	413990-2
—	Gold	Nickel	10.16 .400	2.54 .100	TEFLON	MIL Type	414612-2
—	Gold	Tin	3.94 .155	8.25 .325 Max.	TEFLON	Brass, Stamped	5221111-1

**PC Board Vertical Plugs**



**Plugs**

Type	Center Contact Plating	Body Plating	Dim. A	Dim. B	Dielectric	Recommended PC Board Layout	Style	Part No.
Low Profile (Plug) Mated Pair	Gold	Nickel	3.94 .155	7.62 300	TEFLON	B	MIL Type	415774-1

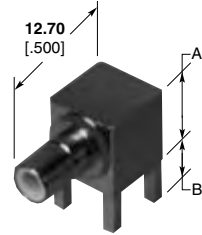
TEFLON is a trademark of E.I. Dupont de Nemours and Company.

**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

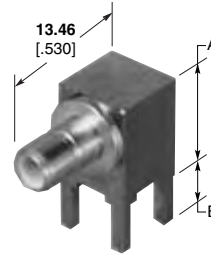
**SMB Connectors, 50 Ohm (Continued)**

**PC Board, Right-Angle Jacks**

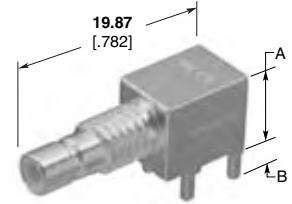
**Jack Low Profile**



**Jack with Standoff Pads**



**Bulkhead Jack**

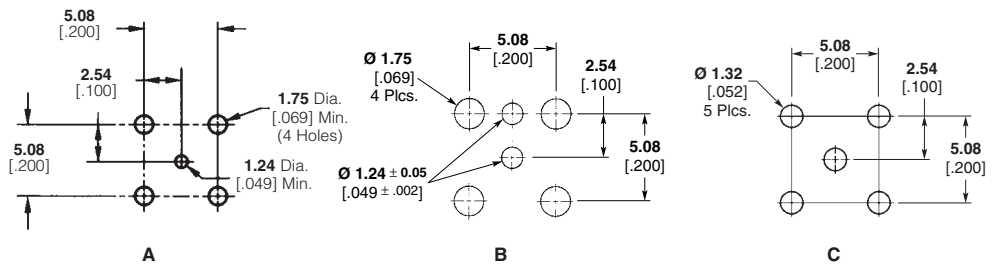
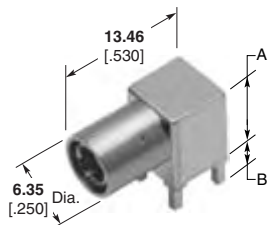


**Jacks**

Type	Center Contact Plating	Interface Body Plating	PCB Leg Plating	Dielectric	Dim. A	Dim. B	Style	Recommended PC Board Layout	Part No.
Low Profile	Gold	Gold	Gold	TEFLON	7.11 .280	3.94 .155	MIL Type	A	413996-2
	Gold	Nickel	Nickel	TEFLON	7.11 .280	3.94 .155	MIL Type	A	413996-4
	Gold	Gold	Gold	TEFLON	7.11 .280	2.79 .110	Die Cast	A	415340-1
	Gold	Gold	Gold	TEFLON	8.76 .345	2.79 .110	Die Cast	A	415672-1
With Standoff Pads	Gold	Gold	Gold	TEFLON	8.51 .335	3.94 .155	MIL Type	A	414026-2
	Gold	Nickel	Nickel	TEFLON	8.76 .345	3.94 .155	MIL Type	A	414026-3
	Gold	Nickel	Tin-Lead	TEFLON	8.76 .345	3.94 .155	Die Cast	A	5414337-1
	Gold	Nickel	Nickel	TEFLON	8.76 .345	2.79 .110	Die Cast	B	5415379-1*
Bulkhead	Gold	Gold	Gold	TEFLON	8.51 .335	3.94 .155	Die Cast	A	415381-1♦
	Gold	Gold	Gold	TEFLON	7.67 .302	2.79 .110	Die Cast	A	414963-1
Commercial	Gold	Nickel	Tin	Polypropylene	9.78 .385	3.94 .155	Brass, Stamped	C	5228435-1
Bulkhead	Gold	Gold	Gold	TEFLON	7.67 .302	2.79 .110	Die Cast	A	1274330-1

\* 5 leg design

**PC Board, Right-Angle Plug**



**Recommended PC Board Layouts**

**Plugs**

Center Contact Plating	Interface Body Plating	PCB Leg Plating	Dielectric	Dim. A	Dim. B	Style	Recommended PC Board Layout	Part No.
Gold	Nickel	Nickel	TEFLON	8.76 .345	2.79 .110	Die Cast	B	415380-1*
Gold	Nickel	Tin	TEFLON	8.76 .345	3.94 .155	Die Cast	A	5414338-1

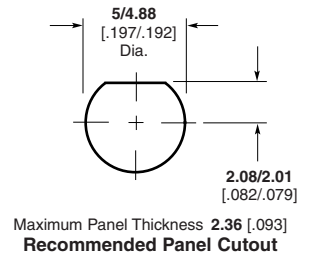
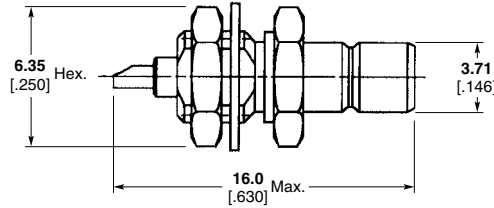
\* 5 leg design

TEFLON is a trademark of E.I. Dupont de Nemours and Company.

**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.

**SMB Connectors, 50 Ohm (Continued)**

**Bulkhead PC Board Jack,  
Solder Receptacle Kits**



**Kit Includes Lockwasher  
and Jam Nut**

**Lockwasher and Jam Nut**



Part No.  
415001-2

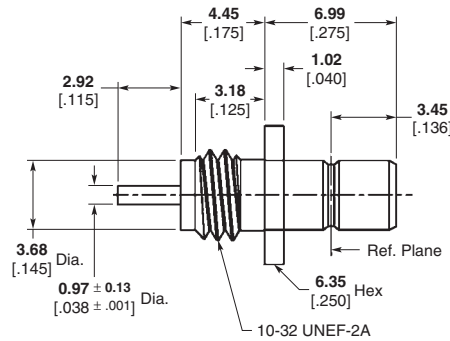


Part No.  
414969-2

Type	Center Contact Plating	Body Plating	Dielectric	Style	Kit Part No.
Front Mount	Gold	Nickel	TEFLON	MIL Type	228216-1*
Rear Mount	Gold	Nickel	TEFLON	MIL Type	228215-1*

\*includes Jam Nut and Lockwasher

**SMB Receptacle Jack**



Type	Center Contact Plating	Body Plating	Dielectric	Style	Part No.
Front Mount	Gold	Nickel	TEFLON	MIL Type	414895-1

TEFLON is a trademark of E.I. Dupont de Nemours and Company.

**Note:** Part Numbers are RoHS compliant except: ♦ Indicates non-RoHS compliant.