

# Amphenol

## Telecom Solutions

### SMA 901 Series 50 Ohm

Materials	Electrical	Environmental
Body/Metal parts – Brass*	Impedance – 50 ohm	Temp. range – -65°C thru 165°C
Finishes – Nickel or Gold	Frequency range	Shock – Consult Representative
<u>Contact Material/Finish</u>	Semi Rigid cable – 0-18 GHz	Vibration – Consult Representative
Centre MALE – Brass/Gold	Flexible cable – 0-12.4 GHz	Corrosion – Consult Representative
Centre FEMALE – Beryllium Copper/Gold	Voltage – up to 335 VRMS	Moisture – Consult Representative
Insulator – Teflon	Dielectric withstand – up to 1000 VRMS	Altitude – Consult Representative
Crimp Ferrules – Copper alloy	VSWR Straight – 1.3	
Gasket – Silicone Rubber	R/A – 1.5	
Durability	Resistance Centre – 6 Milliohms max	Related Information
250 cycles	Outer – 2 Milliohms max	Cable – Section D
	Insulator – 5000 Megaohms min	Hand Tools – Section F
		Termination Instr. – Section G
		Terminology – Section J

**Solder Bulkhead Straight Jack**  
Termination Instruction **B**  
SMA6481Ax3GT50Gxxx50

**Solder Straight Plug with Contact**  
Termination Instruction **B**  
SMA1181Ax3GT50Gxxx50

**Solder 4-Hole Flange Straight Jack**  
Termination Instruction **B**  
SMA6581Ax3GT50G08550

Part Number:	Description:	Part Number:	Description:	Part Number:	Description:
<b>9019945RFX</b>	.085 S/R A: 2.2 B: 3.0 - Gold	<b>9019867RFX</b>	.085 S/R A: 2.2 B: 3.0 - Gold	<b>9019947RFX</b>	.085 S/R A: 2.2 B: 3.0 - Gold
<b>9019946RFX</b>	.141 S/R A: 3.6 B: 4.6 - Gold	<b>9019868RFX</b>	.141 S/R A: 3.6 B: 4.6 - Gold	<b>9019948RFX</b>	.141 S/R A: 3.6 B: 4.6 - Gold

**Solder Straight Jack**  
Termination Instruction **B**  
SMA6181Ax3GT50Gxxx50

**Solder 2-Hole Flange Straight Jack**  
Termination Instruction **B**  
SMA6581Bx3GT50Gxxx50

**Solder Right Angle Plug**  
Termination Instruction **D**  
SMA1182Ax3GT50Gxxx50

Part Number:	Description:	Part Number:	Description:	Part Number:	Description:
<b>9019943RFX</b>	.085 S/R A: 2.2 B: 3.0 - Gold	<b>9019949RFX</b>	.085 S/R A: 2.2 B: 3.0 - Gold	<b>9019951RFX</b>	.085 S/R A: 2.2 B: 3.0 - Gold
<b>9019944RFX</b>	.141 S/R A: 3.6 B: 4.6 - Gold	<b>9019950RFX</b>	.141 S/R A: 3.6 B: 4.6 - Gold	<b>9019952RFX</b>	.141 S/R A: 3.6 B: 4.6 - Gold

**Crimp/Crimp Non-Captive Contact Str. Jack**  
Termination Instruction **E**  
SMA6111A4xT50Gxxx50

**Crimp/Crimp Bulkhead Non-Captive Contact Str. Jack**  
Termination Instruction **E**  
SMA6411A4xT50Gxxx50

**Crimp/Crimp Non-Captive Contact Str. Jack**  
Termination Instruction **E**  
SMA6111A3xT50Gxxx50

Part Number:	Description:	Part Number:	Description:	Part Number:	Description:
<b>9019954RFX</b>	RG/U 174/188/316 - Nickel	<b>9019879RFX</b>	RG/U 174/188/316 - Nickel	<b>9019953RFX</b>	RG/U 58 - Nickel
<b>90199541XRFX</b>	RG/U 174/188/316 - Gold	<b>90198791XRFX</b>	RG/U 174/188/316 - Gold	<b>90199531XRFX</b>	RG/U 58 - Gold

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### SMA 901 Series 50 Ohm – Continued

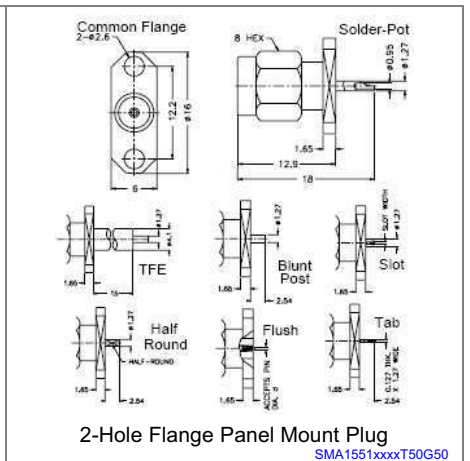
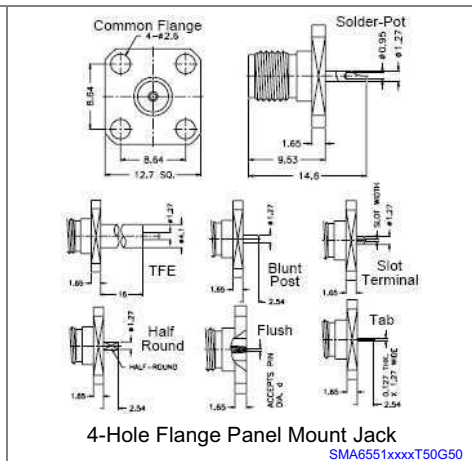
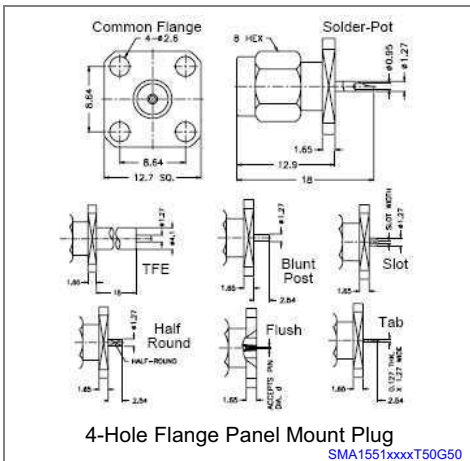
<p style="text-align: center;">Crimp/Crimp Bulkhead Non-Captive Contact Str. Jack Termination Instruction <a href="#">E</a> SMA6411A1xT50Gxxx50</p>	<p style="text-align: center;">Crimp/Crimp Captive Contact Str. Plug Termination Instruction <a href="#">E</a> SMA1111A2xT50Gxxx50</p>	<p style="text-align: center;">Crimp/Crimp Captive Contact Str. Plug Termination Instruction <a href="#">E</a> SMA1111A1xT50Gxxx50</p>																		
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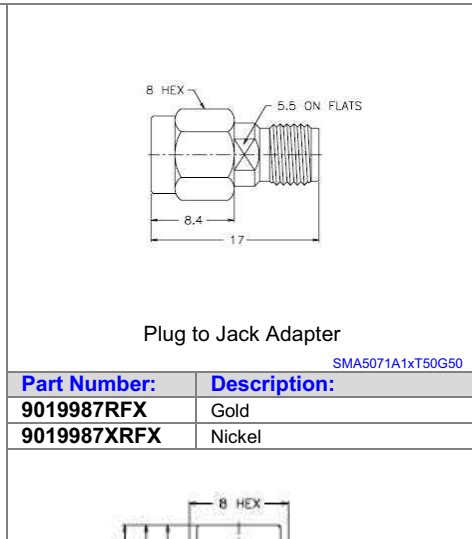
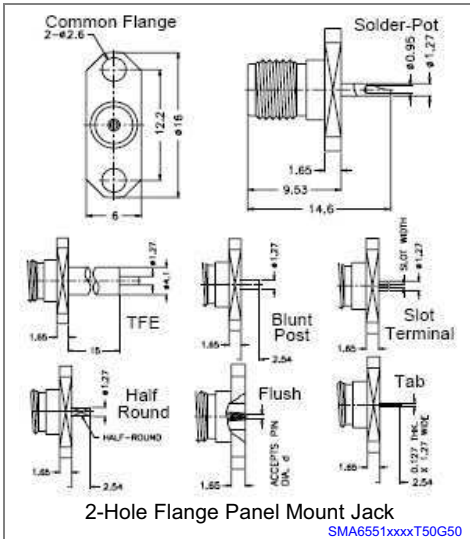
### SMA 901 Series 50 Ohm – Continued



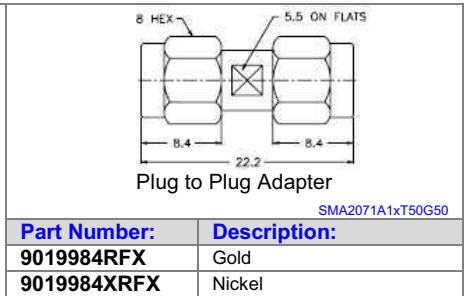
Part Number:	Description:
9019960RFX	Solder-Pot - Gold
9019960XRFX	Solder-Pot - Nickel
9019962RFX	Exposed TFE Type - Gold
9019962XRFX	Exposed TFE Type - Nickel
9019964RFX	Blunt Post - Gold
9019964XRFX	Blunt Post - Nickel
9019968RFX	Slot Terminal - Gold
9019968XRFX	Slot Terminal - Nickel
9019972RFX	Half Round Terminal - Gold
9019972XRFX	Half Round Terminal - Nickel
9019976RFX	Flush with Flange - Gold
9019976XRFX	Flush with Flange - Nickel
9019980RFX	Tab Terminal - Gold
9019980XRFX	Tab Terminal - Nickel

Part Number:	Description:
9019892RFX	Solder-Pot - Gold
9019892XRFX	Solder-Pot - Nickel
9019887RFX	Exposed TFE Type - Gold
9019887XRFX	Exposed TFE Type - Nickel
9019966RFX	Blunt Post - Gold
9019966XRFX	Blunt Post - Nickel
9019970RFX	Slot Terminal - Gold
9019970XRFX	Slot Terminal - Nickel
9019974RFX	Half Round Terminal - Gold
9019974XRFX	Half Round Terminal - Nickel
9019978RFX	Flush with Flange - Gold
9019978XRFX	Flush with Flange - Nickel
9019982RFX	Tab Terminal - Gold
9019982XRFX	Tab Terminal - Nickel

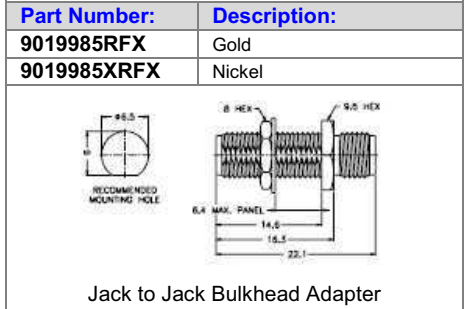
Part Number:	Description:
9019961RFX	Solder-Pot - Gold
9019961XRFX	Solder-Pot - Nickel
9019963RFX	Exposed TFE Type - Gold
9019963XRFX	Exposed TFE Type - Nickel
9019965RFX	Blunt Post - Gold
9019965XRFX	Blunt Post - Nickel
9019969RFX	Slot Terminal - Gold
9019969XRFX	Slot Terminal - Nickel
9019973RFX	Half Round Terminal - Gold
9019973XRFX	Half Round Terminal - Nickel
9019977RFX	Flush with Flange - Gold
9019977XRFX	Flush with Flange - Nickel
9019981RFX	Tab Terminal - Gold
9019981XRFX	Tab Terminal - Nickel



Part Number:	Description:
9019987RFX	Gold
9019987XRFX	Nickel



Part Number:	Description:
9019984RFX	Gold
9019984XRFX	Nickel



Part Number:	Description:
9019985RFX	Gold
9019985XRFX	Nickel

Part Number:	Description:
9019893RFX	Solder-Pot - Gold
9019893XRFX	Solder-Pot - Nickel
9019891RFX	Exposed TFE Type - Gold
9019891XRFX	Exposed TFE Type - Nickel
9019967RFX	Blunt Post - Gold
9019967XRFX	Blunt Post - Nickel
9019971RFX	Slot Terminal - Gold
9019971XRFX	Slot Terminal - Nickel
9019975RFX	Half Round Terminal - Gold
9019975XRFX	Half Round Terminal - Nickel
9019979RFX	Flush with Flange - Gold
9019979XRFX	Flush with Flange - Nickel
9019983RFX	Tab Terminal - Gold
9019983XRFX	Tab Terminal - Nickel

Part Number:	Description:
9019988RFX	Gold
9019988XRFX	Nickel



Part Number:	Description:
9019986RFX	Gold
9019986XRFX	Nickel