

Amphenol

RF Interconnects

7/16 716 Series High Power RF Connector Continued

Clamp/Solderless Straight Jack Panel Mount Termination Instruction R (ARFA) Diagram of 716-6541A-01RFX (Diagram is representative only)				
Part Number:				
ARFA	RF	AFY		Description:
716-6541A-01RFX	S2PDFPM			3/8" Superflex
	S4PDFPM	AFB4-5		1/2" Annular
				7/8" Superflex
				7/8" Annular
<i>Consult representative for more solutions</i>			7/8" Radiating	
			1-1/4" Annular	
			1-5/8" Annular	
			1-5/8" Radiating	

<p style="text-align: center;">Jack-to-Jack Adapter Diagram of 716-7071A-01RFX (Diagram is representative only)</p>			<p style="text-align: center;">Plug-toPlug Adapter Diagram of 716-2071A-01RFX (Diagram is representative only)</p>		
Part Number:			Part Number:		
ARFA	RF	AFY	ARFA	RF	AFY
716-7071A-RFX	APH-716F-F	AFZ3-1	716-2071A-01RFX	APH716M-M	AFZ4-1

N Medium Size Threaded 50 ohm RF Connectors

Materials

Body/Finish	– Brass/Nickel
Contacts/Finish	–
Centre MALE	– Brass/Gold Plated (Au)
Centre FEMALE	– Beryllium Copper/Au
Insulator	– Teflon
Gasket	– Silicone Rubber
Crimp Ferrules*	– Annealed Copper
Durability	– 500 Cycles

Electrical

Impedance	– 50 ohm
Frequency range	– 0-11 GHz
Voltage	– 1500 VRMS max
Dielectric withstand	– 2500 VRMS max
VSWR Straight	– 1.3 max
R/A	– 1.5 max
Resistance Inner	– 3 Milliohm max
Outer	– 2 Milliohm max
Insulator	– 5000 Megaohm min

Environmental

Temp. range	– -65°C thru 165°C
Shock	– Consult Representative
Humidity	– Consult Representative
Vibration	– Consult Representative
Corrosion	– Consult Representative

Related Information

Hand Tools	– Page W-1
Termination Instr.	– Page U-35~U-38
Terminology	– Page U-38

<p style="text-align: center;">Pin2Pin Ferrule</p> <p style="text-align: center;">Crimp/Crimp Straight Plug for Captive Contact Crimp/Solder Straight Plug for Pin2Pin Cont. <small>N1121A1NT3Gxxx50</small></p>		<p style="text-align: center;">Crimp/Crimp Straight Jack – Captive Contact Termination Instruction E <small>N6121A1NT3xxx50</small></p>		<p style="text-align: center;">Pin2Pin Ferrule</p> <p style="text-align: center;">Crimp/Crimp Str. B/h Jack for Captive Cont. Crimp/Solder Str. B/h Jack for Pin2Pin <small>N6421A1NT3xxx50</small></p>	
Part Number:	Cable/Term Inst/Contact	Part Number:	Cable	Part Number:	Cable/Term Inst/Contact
82-4426-11RFX	RG/U 8/213 E Captive	82-4429-RFX	RG/U 8/213	82-346-RFX	RG/U 8/213 E Captive
82-5375-RFX	RG/U 58/141 E Captive	82-5376-RFX	RG/U 58/141	82-5378-RFX	RG/U 58/141 E Captive
82-5380-RFX	RG/U 59/62 E Captive	82-6092-RFX	RG/U 59/62	82-6094-RFX	RG/U 59/62 E Captive
82-6091-RFX	RG/U 174/188/316 C Pin2Pin	Consult Representative		82-6093-RFX	RG/U 174/188/316 C Pin2Pin

ARFA/RF/AFY