

# RFX 50Ω & 75Ω BNC receptacles & angle plugs

**Fig. 1**

BNC Panel Receptacles  
4 hole Square Flange, Rear or Front Mnt  
Solder Cup Terminal  
**31-203-RFX** (UG-290A) (50Ω)

**Fig. 2**

BNC Bulkhead Receptacles  
Isolated from Ground, Front Mount  
Solder Cup & Ground Tab  
**31-10-RFX** (IBM ref 925390) (50Ω)  
**31-10-75RFX** (75Ω)

**Fig. 3**

BNC Bulkhead Receptacles  
Front Mount, Solder Cup Terminal  
(50Ω) **31-221-RFX** (UG-1094) Mtg. Hole U  
(75Ω) **31-221-75RFX** Mtg. Hole U  
(50Ω) **31-236-RFX** (UG-625B) Mtg. Hole T

**Fig. 4** 50Ω & 75Ω BNC 3 Piece Crimp Angle Plugs

Cables	Connectors
RG-58,141,142A	50Ω <b>31-335-RFX</b>
RG-59,62	50Ω <b>31-336-RFX</b>
	75Ω <b>31-71010-RFX</b>

**Fig. 5**

Grounding Lug  
**31-10152-RFX**

**Fig. 6**

BNC PC Receptacle (Jack)  
Post Terminal/Four Legs  
50Ω **31-5329-51RFX** Silver Plt. Contact  
50Ω **31-5329-52RFX** Gold Plt. Contact  
75Ω **31-5329-71RFX** Silver Plt. Contact  
75Ω **31-5329-72RFX** Gold Plt. Contact

## RFX BNC PANEL, BULKHEAD & PCB RECEPTACLES • 50Ω & 75Ω • 2-stud bayonet mating • female contacts

Description	Terminal Type	Dimensions, Inches (millimeters)			Notes	MTG Hole	UG Ref. Number†	Amphenol RFX Number	Fig.
		a	b	e					
Panel Receptacle 4 hole .687*(17.5mm) Square Flange, Front or Rear Mount	Solder Cup	1.05(26.7)	.687(17.5)	.187(4.7)☆	P1 D2 50Ω	L	UG-290A	<b>31-203-RFX</b>	1
Bulkhead Receptacle, Front Mount, Isolated From Panel, White Molded Thermoplastic Ins.	Solder Cup, Ground Tab	1.19(30.2)	.500(12.7)	.187(4.8)	P2 D7 50Ω Z	—	—	<b>31-10-RFX</b> ▲	2
		—	—	—	75Ω U	—	—	<b>31-10-75RFX</b> ▲	2
Bulkhead Receptacle, Front Mount, .125*(3.2mm) max. panel	Solder Cup	1.06(27.0)	.500(12.7)	.125(3.2)	P2 D1 50Ω Z	UG-1094	—	<b>31-221-RFX</b> †*	3
		1.05(26.7)	.500(12.7)	.138(3.5)	P1 D2 75Ω U	—	—	<b>31-221-75RFX</b> †	3
		1.06(27.0)	.500(12.7)	.125(3.2)	P2 D1 50Ω T	UG-625B	—	—	<b>31-236-RFX</b> †
Lug used Inside Panel on Front Mount Bulkhead Receptacles for Ground Wire to Circuit	—	1.16(29.4)	.578(14.7)	—	P4 — —	—	—	<b>31-10152-RFX</b>	5
PC Receptacle (Jack) Post Terminal/Four Legs	Blunt Post	.831(21.1)	.433(11.0)	—	P2 D3 50Ω F	—	—	<b>31-5329-51RFX</b>	6
					P1 D3 50Ω F	—	—	<b>31-5329-52RFX</b>	
					P2 D3 75Ω F	—	—	<b>31-5329-71RFX</b>	
					P1 D3 75Ω F	—	—	<b>31-5329-72RFX</b>	

## RFX BNC ANGLE PLUGS • 50Ω & 75Ω • 2-stud bayonet mating • male contacts

Cable RG-/U	Cable Attachment		Dimensions, Inches (millimeters)				Construction Notes			CTL Tool No.	Amphenol RFX Number	Fig.
	Outer	Inner	a	b	c	d	CAI	Pit.	Imp.			
58,141,142A	Crimp	Crimp	1.60(40.7)	.571(14.5)	.210(5.3)	1.07(27.3)	C6	P1	D2 50Ω	CTL-1	<b>31-335-RFX</b>	4
									50Ω	CTL-1	<b>31-336-RFX</b>	4
59,62	Crimp	Crimp	1.60(40.7)	.571(14.5)	.260(6.6)	1.07(27.3)	C6	P1	D2 75Ω	CTL-1	<b>31-71010-RFX</b>	4

† If a ground wire to circuit inside the panel is needed, use lug 31-10152 ▲ recommended torque value 12 lbf-in. max. (IBM ref. 925390)  
 \* Wang ref. 350-1036; IBM ref. 1620666 ■ to end of crimp ferrule ‡ For reference only. RFX™ connectors are for commercial use only.  
 ☆ max. panel when rear mounted through panel ● accommodates cable dia.