

### ELECTRICAL

Impedance	50 Ohms
Frequency range	0-4 GHz
Voltage Rating	1500 volts peak, std.
Dielectric Withstanding Voltage	5000 volts RMS

### ENVIRONMENTAL

Temperature range	TFE -65°C to +165°C Copolymer of styrene: -55°C to +85°C
Weatherproof	All HN Series are weatherproof
Hermetic Seals	Pass helium leak test of $2 \times 10^{-8}$ cc/sec
Pressurized	Compression Seal

### MECHANICAL

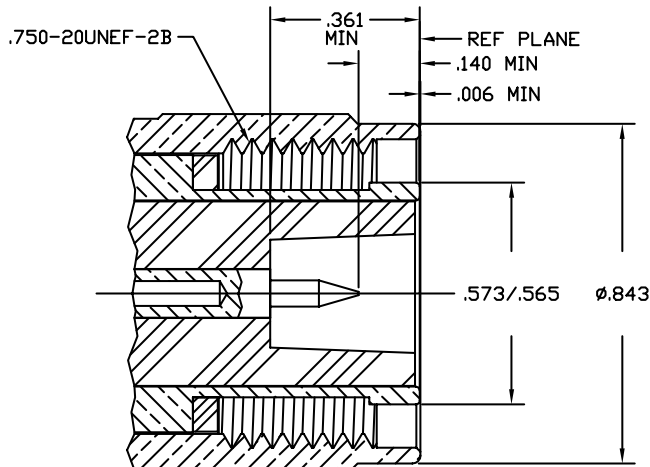
Mating	3/4-20 threaded coupling
Cable affixment	Screw-thread nut and braid clamp

### MATERIAL

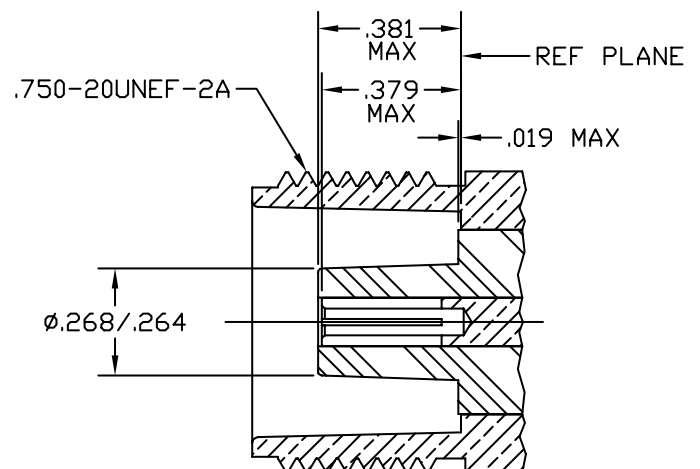
Contacts	Male: brass Female: beryllium copper. Outer: brass Finish: silver or gold
Other metal parts	Brass: ASTROplate® finish
Insulators	TFE, glass-TFE Copolymer of styrene: (hermetically sealed)
Weatherproof gaskets	Silicone rubber; Synthetic rubber

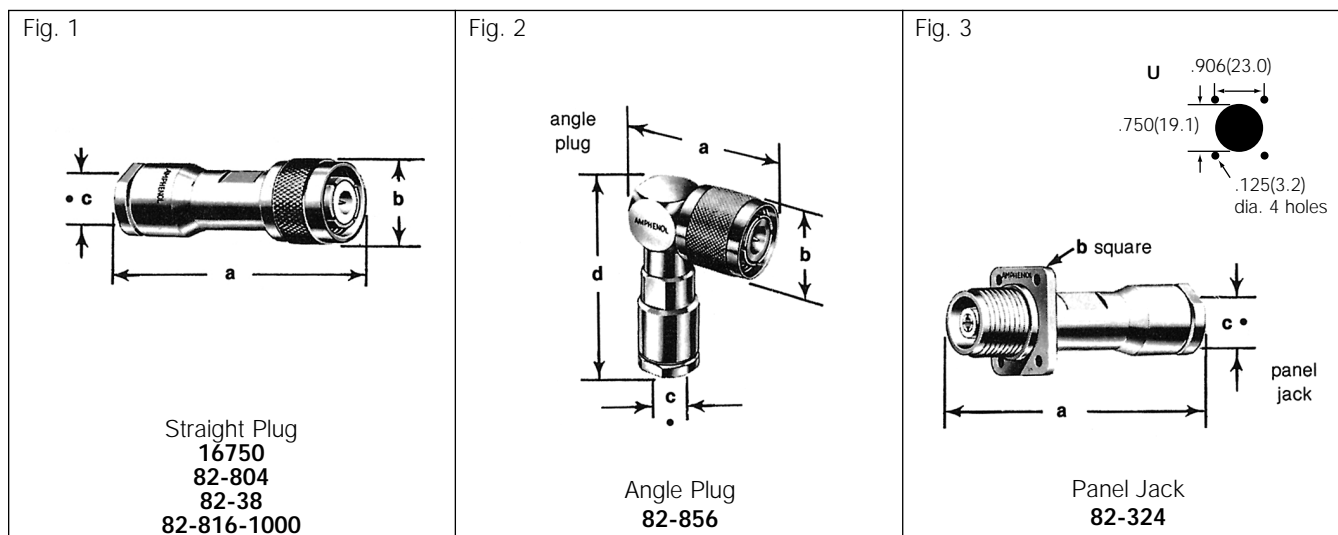
NOTE: These characteristics are typical and may not apply to all connectors.

### PLUG



### JACK





C, HN, SC

## STRAIGHT PLUGS

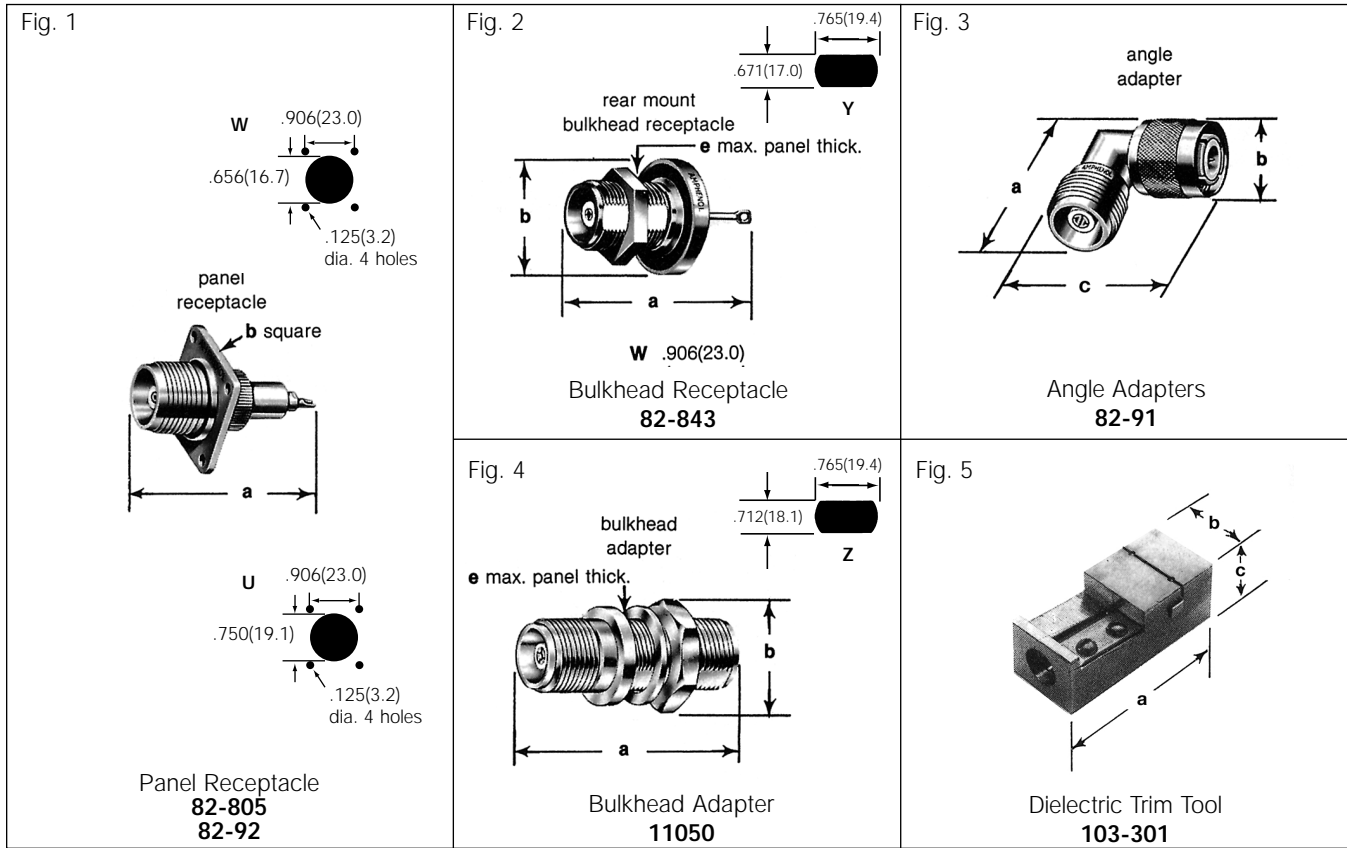
Description	Cable Termination	Dimensions, in. (mm)				MTG Hole	Construction Notes			Military Number	Amphenol Number	Fig
		a	b	c	d		CAI	Plt.	Ins.			
58, 141, 142	TYP-Clamp	1.81 (46.0)	.844 (21.4)	.214 (5.4)	—	—	C18	P1	D1	—	16750	1
8, 9, 213, 214	TYP-Clamp	2.38 (60.3)	.875 (22.2)	.444 (11.3)	—	—	C20	P1	D6	UG-59A	82-38	1
54A	TYP-Clamp	1.81 (46.0)	.875 (22.2)	.257 (6.5)	—	—	C18	P4	D6	—	82-816-1000	1
8, 9, 87A, 213, 214, 225	TYP-Clamp	2.38 (60.3)	.875 (22.2)	.444 (11.3)	—	—	C17	P1	D1	UG-59B	82-804	1

## ANGLE PLUG

Description	Cable Termination	Dimensions, in. (mm)				MTG Hole	Construction Notes			Military Number	Amphenol Number	Fig
		a	b	c	d		CAI	Plt.	Ins.			
8, 9, 87A, 213, 214, 225	TYP-Clamp	1.50 (38.1)	.875 (22.2)	.444 (11.3)	2.31 (58.7)	—	C17	P1	D1	—	82-856	2

## PANEL JACKS

Description	Cable Termination	Dimensions, in. (mm)				MTG Hole	Construction Notes			Military Number	Amphenol Number	Fig
		a	b	c	d		CAI	Plt.	Ins.			
8, 9, 87A, 213, 214, 225	C.C.-Clamp	2.94 (74.6)	1.19 (30.2)	.444 (11.3)	—	U	C17	P1	D1	UG-1215	82-324	3



## PANEL RECEPTACLES

Description	Dimensions, in. (mm)				MTG Hole	Construction Notes			Military Number	Amphenol Number	Fig
	a	b	c	e		CAI	Plt.	Ins.			
Solder Cup Terminal	1.88 (47.6)	1.19 (30.2)	—	—	W	—	P1	D1	UG-560	82-805	1
Solder Cup Terminal (Copolymer Styrene Ins.)	1.53 (38.9)	1.19 (30.2)	—	—	U	—	P1	D6	UG-496	82-92	1

## BULKHEAD RECEPTACLES

Description	Dimensions, in. (mm)				MTG Hole	Construction Notes			Military Number	Amphenol Number	Fig
	a	b	c	e		CAI	Plt.	Ins.			
Rear Mount/Spade Terminal	1.77 (44.8)	1.25 (31.8)	—	.187 (4.7)	Y	—	P1	D1	—	82-843	2

## ANGLE ADAPTERS

Description	Dimensions, in. (mm)				MTG Hole	Construction Notes			Military Number	Amphenol Number	Fig
	a	b	c	e		CAI	Plt.	Ins.			
Jack-Plug (Copolymer Styrene Ins.)	1.53 (38.9)	.875 (22.2)	1.46 (37.3)	—	—	—	P1	D6	UG-212A	82-91	3

## BULKHEAD ADAPTERS

Description	Dimensions, in. (mm)				MTG Hole	Construction Notes			Military Number	Amphenol Number	Fig
	a	b	c	e		CAI	Plt.	Ins.			
Jack-Jack	1.97 (50.0)	1.00 (25.4)	—	.343 (8.7)	Z	—	P1	D1	UG-1019	11050	4

## DIELECTRIC TRIM TOOL

Description	Dimensions, in. (mm)				MTG Hole	Construction Notes			Military Number	Amphenol Number	Fig
	a	b	c	e		CAI	Plt.	Ins.			
Dielectric Trim Tool	1.47 (37.3)	.625 (15.9)	.500 (12.7)	—	—	—			MX-103/U	103-301	5