

## MINI-UHF

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50 ohm 0 – 2.5 GHz

Mini-UHF coaxial connectors are designed for use in applications from DC to 2.5 GHz where size, weight and cost elements are crucial.

These miniature 3/8" – 24 thread size connectors provide excellent RF performance and are impedance matched to 50 ohm cable. Crimp, twist-on and solder terminations are available with the Mini-UHF series.

Mini-UHF connectors combine excellent electrical characteristics, small size and light weight at a relatively inexpensive cost for many coaxial connector applications.

### Electrical:

<b>Impedance</b>	50 ohm
<b>Frequency Range</b>	0 to 2.5 GHz
<b>VSWR</b>	1.25 max
<b>Voltage Rating</b>	335 volts rms max
<b>Dielectric Withstanding Voltage</b>	1,000 volts rms max
<b>Contact Resistance</b>	center contact = 1.5 Milliohms max outer contact = 1.0 Milliohms max
<b>RF Leakage</b>	-55 dB min @ 2.5 GHz
<b>Insertion Loss</b>	.2 dB max @ 2.5 GHz
<b>Insulation Resistance</b>	5,000 Megohms min

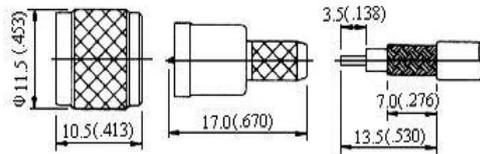
### Mechanical & Environmental:

<b>Mating</b>	3/8" – 28 threaded coupling
<b>Cable Retention</b>	RG – 58, 141, 142, 223 → 40 lbs min RG – 174, 188, 316 → 20 lbs min
<b>Durability</b>	500 matings
<b>Temperature Range</b>	-55 °C to 85 °C
<b>Vibration</b>	MIL-STD-202 Method 204 Test Cond. B.
<b>Salt Spray</b>	MIL-STD-202 Method 101 Test Cond. B.

### Material:

	<b>Material</b>	<b>Plating</b>
<b>Connector Body</b>	Brass	Nickel
<b>Center Contact</b>	Male: Brass Female: Brass or Phosphor Bronze. Beryllium Copper	Gold Gold
<b>Insulation</b>	Teflon or Delrin	None
<b>Crimp Ferrule</b>	Annealed Copper	Same as Body

### Straight Plug Crimp ( 4 piece Design ) ( Mini-UHF )



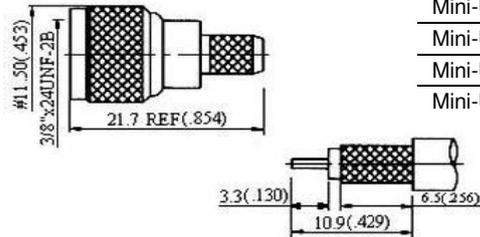
**Description:**  
Flexible Cable-Crimp Attachment

Finish: Gold plated center contact & nickel plated body

Insulation: Delrin

PART NO.	APPLICABLE CABLE RG/U	NOTES
Mini-UHF-1103-DGN	58, 58A, 141A	Captive contact

### Straight Plug Crimp ( Mini-UHF )

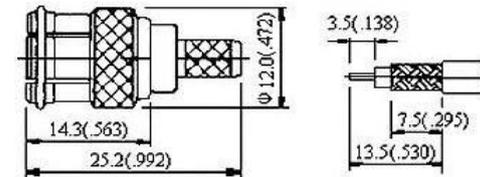


PART NO.	APPLICABLE CABLE RG/U
Mini-UHF-1104-DGN	58U
Mini-UHF-1105-DGN	8X
Mini-UHF-1106-DGN	6U
Mini-UHF-1107-DGN	PROFLEX

**Description:**  
Flexible Cable-Crimp Attachment

Finish: Gold plated center contact & body  
Insulation: Delrin

### Straight Plug Crimp Push-on ( No Thread ) ( Mini-UHF )



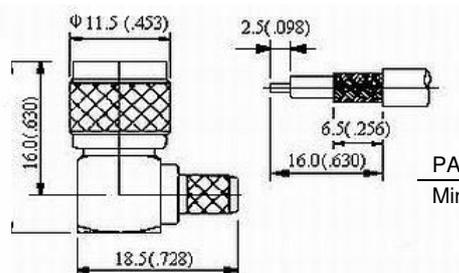
**Description:**  
Flexible Cable-Crimp Attachment

Finish: Gold plated center contact & nickel plated body

Insulation: Delrin

PART NO.	APPLICABLE CABLE RG/U	NOTES
Mini-UHF-1108-DGN	58, 58A, 141A	Captive contact

### Right Angle Plug Crimp ( Mini-UHF )

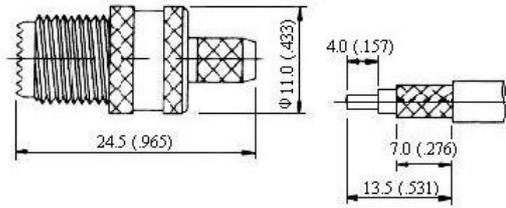


PART NO.	APPLICABLE CABLE RG/U
Mini-UHF-1111-DGN	58, 58A, 141A

**Description:**  
Flexible Cable-Crimp Attachment  
Solder center contact directly

Finish: Gold plated center contact & body  
Insulation: Delrin

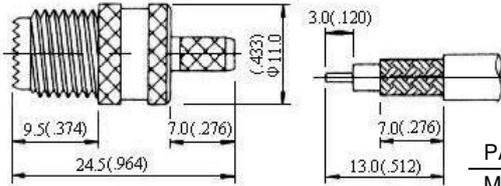
### Straight Jack Crimp ( Mini-UHF )



**Description:**  
Flexible Cable-Crimp Attachment  
  
Finish: Gold plated center contact & nickel plated body  
  
Insulation: Delrin

PART NO.	APPLICABLE CABLE RG/U	NOTES
Mini-UHF-1201-DGN	58, 58A, 141A	Captive contact

### Straight Jack Crimp ( With Teflon Sleeve ) ( Mini-UHF )

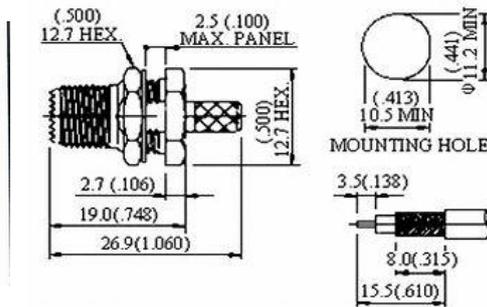


PART NO.	APPLICABLE CABLE RG/U
Mini-UHF-1202-DGN	174, 188A, 316

**Description:**  
Flexible Cable-Crimp Attachment

Finish: Gold plated center contact & body  
Insulation: Delrin

### Straight Bulkhead Jack Crimp ( Mini-UHF )

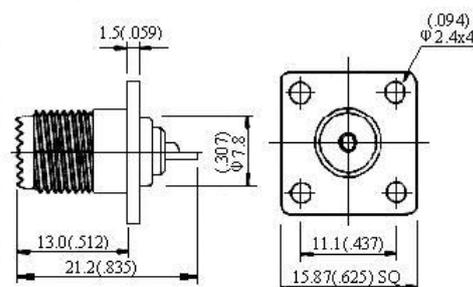


PART NO.	APPLICABLE CABLE RG/U
Mini-UHF-1209-DGN	58, 58A, 141A
Mini-UHF-1210-DGN	59, 62A, 210

**Description:**  
Flexible Cable-Crimp Attachment

Finish: Gold plated center contact & body  
Insulation: Delrin

### Square Flange Jack Receptacle ( Mini-UHF )

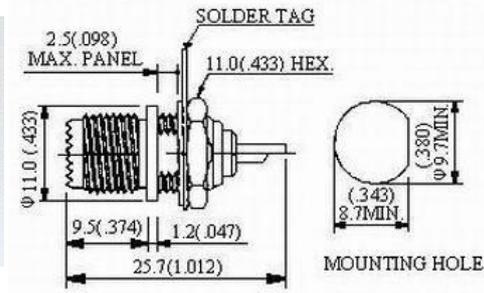
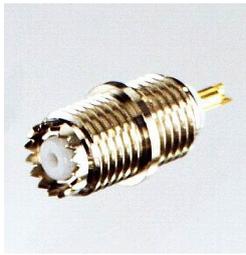


PART NO.
Mini-UHF-3201-DGN

**Description:**  
Bulkhead, Panel & PCB Mount Receptacles

Finish: Gold plated center contact & body  
Insulation: Delrin

**Straight Bulkhead Jack Receptacle ( Front Mount ) ( Mini-UHF )**

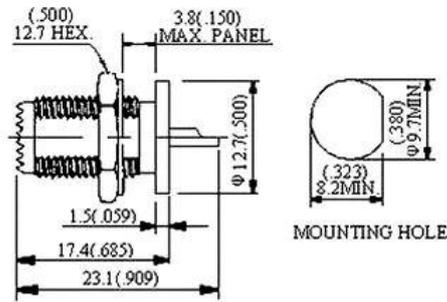


PART NO. \_\_\_\_\_  
Mini-UHF-4201-DGN

**Description:**  
Bulkhead, Panel & PCB Mount Receptacles

Finish: Gold plated center contact & body  
Insulation: Delrin

**Straight Bulkhead Jack Receptacle ( Rear Mount ) ( Mini-UHF )**

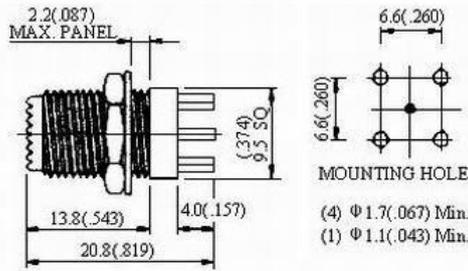
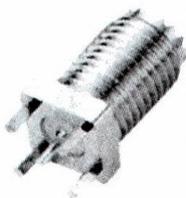


PART NO. \_\_\_\_\_  
Mini-UHF-4202-DGN

**Description:**  
Bulkhead, Panel & PCB Mount Receptacles  
Diecast Zinc body

Finish: Gold plated center contact & body  
Insulation: Delrin

**Straight PCB Mount Jack Receptacle ( Mini-UHF )**



PART NO. \_\_\_\_\_  
Mini-UHF-5201-DGN

**Description:**  
Bulkhead, Panel & PCB Mount Receptacles

Finish: Gold plated center contact & body  
Insulation: Delrin