

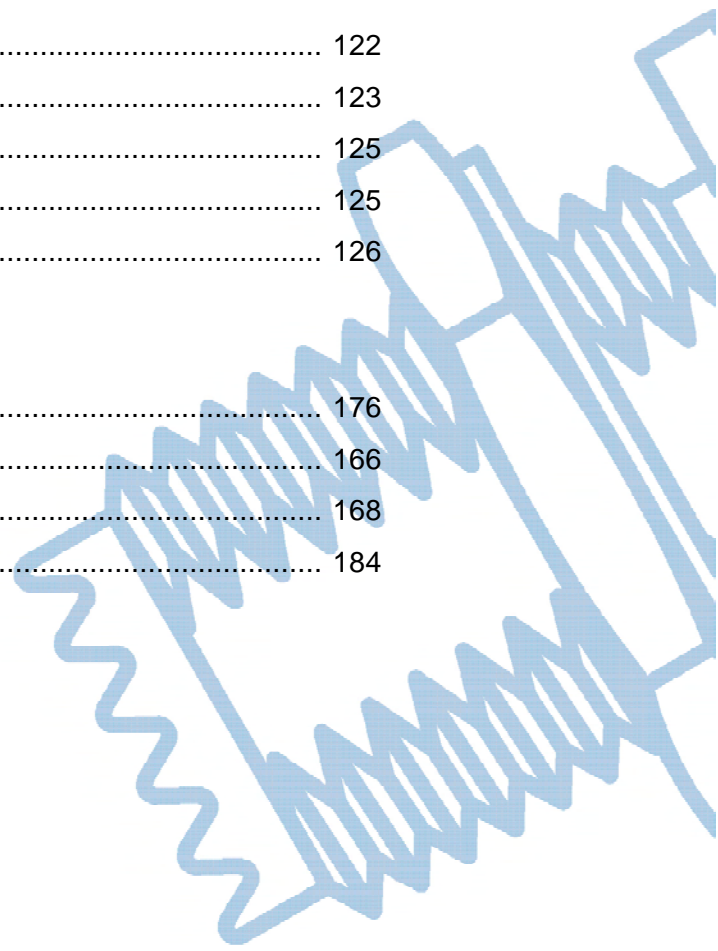
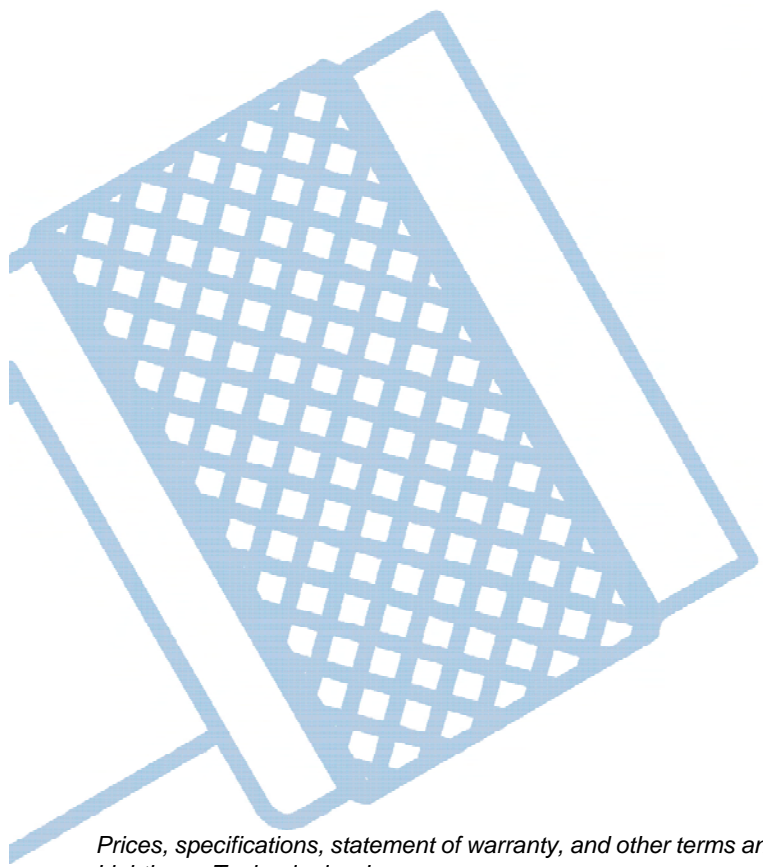


## Mini-UHF Connectors

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*Prices, specifications, statement of warranty, and other terms and conditions are subject to change without notice by Lighthorse Technologies, Inc.*



Mini-UHF series 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 type cable plugs and jacks are available as well as panel and printed circuit board receptacles.

Mini-UHF connectors combine excellent electrical characteristics, small size and light weight at a relatively inexpensive cost for many coaxial connector applications. Some of these include cellular mobile telephones, low cost local area networks, and telecommunications.

## ELECTRICAL RATINGS

<b>Impedance</b>	50 ohm	
<b>Frequency Range</b>	0-2.5 GHz	
<b>VSWR</b>	1.25 max	
<b>Voltage Rating</b> (in VRMS at sea level)	335 max	
<b>Dielectric Withstanding Voltage</b> (in VRMS at sea level)	1000 min	
<b>RF Leakage</b>	-55 dB min @ 2.5 GHz	
<b>Insertion Loss</b>	.2 dB max @ 2.5 GHz	
<b>Insulation Resistance</b>	5000 M $\Omega$ min	
<b>Contact Resistance</b>	<i>Center Contact</i>	<i>Outer Contact</i>
	1.5 m $\Omega$ max	1.0 m $\Omega$ max

## MECHANICAL RATINGS

<b>Mating</b>	3/8-24UNEF threaded coupling	
<b>Durability</b>	500 matings max	
<b>Cable Retention</b>	<i>RG-174, 188, 316</i>	20 lbs min
	<i>RG-58, 141, 142, 223, 400</i>	40 lbs min
<b>Temperature Range</b>	-55°C to + 85°C	
<b>Vibration</b>	MIL-STD-202, Method 204, Test Condition B	
<b>Corrosion</b>	MIL-STD-202, Method 101, Test Condition B	

## MATERIALS

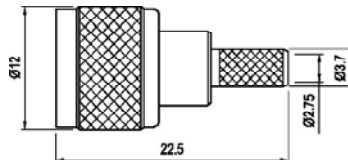
		<i>Material</i>	<i>Plating</i>
<b>Connector Body</b>		Brass per QQ-B-626	Nickel
<b>Center Contact</b>	<i>Male</i>	Brass per QQ-B-626	Gold
	<i>Female</i>	Beryllium Copper per QQ-C-530, or Phosphor Bronze per QQ-C-750	Gold
<b>Insulator</b>		Teflon, Delrin, Polypropylene	None
<b>Crimp Ferrule</b>		Annealed Copper per WW-T-799	Same as body



## Straight Crimp Plug

Part Number	Cable Type	Dimension		Dielectric
LTI-MSM11NT-XXX	RG-316,174,188;Q1,D316	A: 2.75	B: 3.7	Teflon
LTI-MSM11ND-XXX	RG-316,174,188;Q1,D316	A: 2.75	B: 3.7	Delrin

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is.  
See Part Numbering Chart on page 3 for more info.

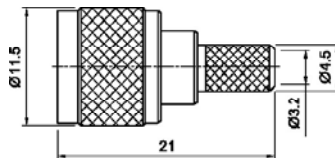


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## Straight Crimp Plug

Part Number	Cable Type	Dimension		Dielectric
LTI-MSM11NT-XXX	RG-58,141,142,223,400	A: 3.2	B: 4.5	Teflon
LTI-MSM11ND-XXX	RG-58,141,142,223,400	A: 3.2	B: 4.5	Delrin

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is.  
See Part Numbering Chart on page 3 for more info.

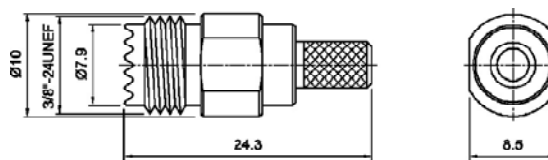
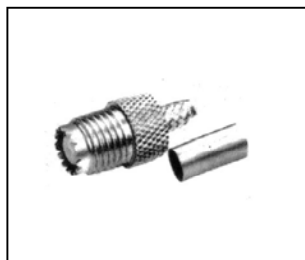


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## Straight Crimp Jack

Part Number	Cable Type	Dimension		Dielectric
LTI-MSF11NT-XXX	RG-316,174,188;Q1,D316	A: 2.75	B: 3.7	Teflon
LTI-MSF11ND-XXX	RG-316,174,188;Q1,D316	A: 2.75	B: 3.7	Delrin

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is.  
See Part Numbering Chart on page 3 for more info.



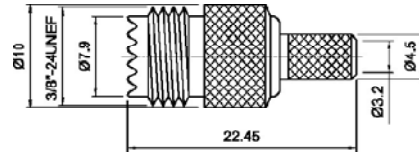
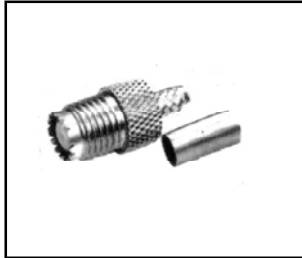
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## Straight Crimp Jack

Part Number	Cable Type	Dimension		Dielectric
LTI-MSF11NT-XXX	RG-58,141,142,223,400	A: 3.2	B: 4.5	Teflon
LTI-MSF11ND-XXX	RG-58,141,142,223,400	A: 3.2	B: 4.5	Delrin

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is.  
See Part Numbering Chart on page 3 for more info.

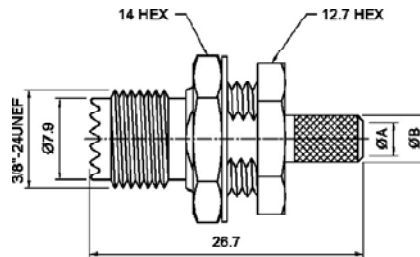


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## Straight Bulkhead Crimp Jack

Part Number	Cable Type	Dimension		M.H.	Dielectric
LTI-MSF13NT-XXX	RG-316,174,188;Q1,D316	A: 2.75	B: 3.7	11	Teflon
LTI-MSF13ND-XXX	RG-316,174,188;Q1,D316	A: 2.75	B: 3.7	11	Delrin
LTI-MSF13NT-XXX	RG-58,141,142,223,400	A: 3.2	B: 4.5	11	Teflon
LTI-MSF13ND-XXX	RG-58,141,142,223,400	A: 3.2	B: 4.5	11	Delrin

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is. See Part Numbering Chart on page 3 for more info.

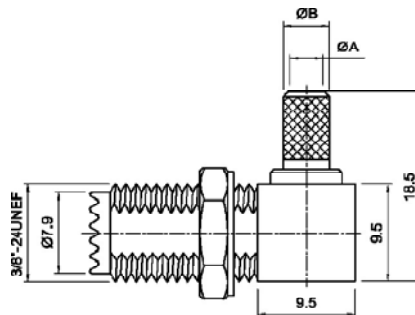


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## Right Angle Bulkhead Crimp Jack

Part Number	Cable Type	Dimension		M.H.	Dielectric
LTI-MLF13NT-XXX	RG-316,174,188;Q1,D316	A: 2.75	B: 3.7	9	Teflon
LTI-MLF13ND-XXX	RG-316,174,188;Q1,D316	A: 2.75	B: 3.7	9	Delrin
LTI-MLF13NT-XXX	RG-58,141,142,223,400	A: 3.2	B: 4.5	9	Teflon
LTI-MLF13ND-XXX	RG-58,141,142,223,400	A: 3.2	B: 4.5	9	Delrin

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is. See Part Numbering Chart on page 3 for more info.

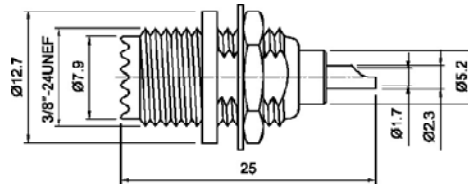


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## Front Mount Bulkhead Jack with Solder Cup

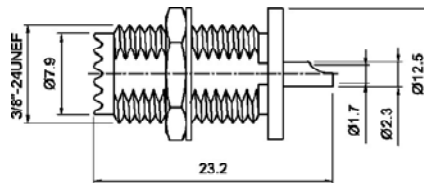
Part Number	M.H.	Dielectric
LTI-MSF43NT	9	Teflon
LTI-MSF43ND	9	Delrin



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## Rear Mount Bulkhead Jack with Solder Cup

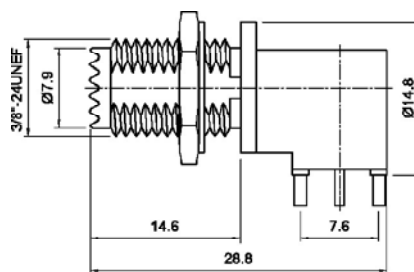
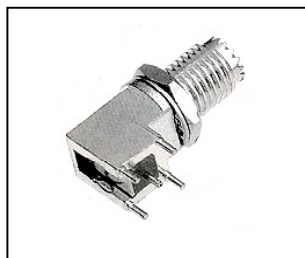
Part Number	M.H.	Dielectric
LTI-MSF43RNT	10	Teflon
LTI-MSF43RND	10	Delrin



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## Right Angle PCB Thru Hole Jack

Part Number	M.H.	Dielectric
LTI-MLF54NT	9	Teflon
LTI-MLF54ND	9	Delrin

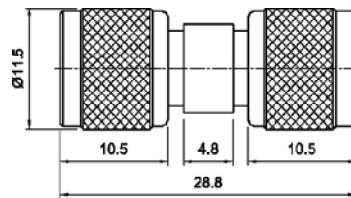


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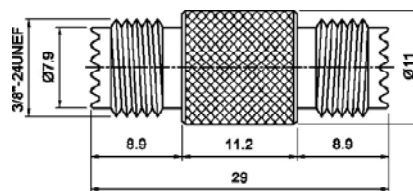
## Straight Plug to Plug Adapter

Part Number	Dielectric
LTI-A2MSMMNT	Teflon
LTI-A2MSMMND	Delrin



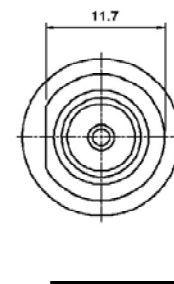
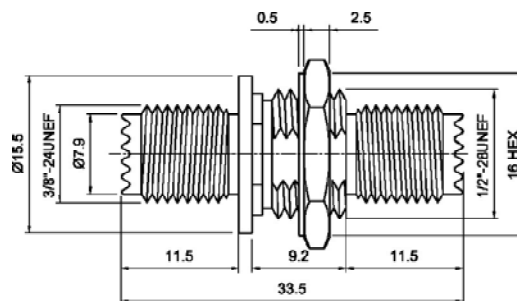
## Straight Jack to Jack Adapter

Part Number	Dielectric
LTI-A2MSFFNT	Teflon
LTI-A2MSFFND	Delrin



## Straight Jack to Jack Bulkhead Adapter

Part Number	M.H.	Dielectric
LTI-A2MSFF3NT	14	Teflon
LTI-A2MSFF3ND	14	Delrin

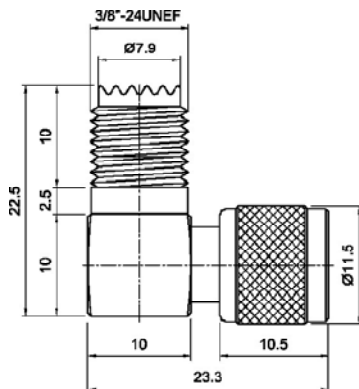


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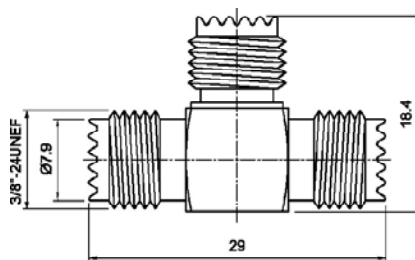
## Right Angle Jack to Plug Adapter

Part Number	Dielectric
LTI-A2MLFMNT	Teflon
LTI-A2MLFMND	Delrin



## T Adapter, Jack to Jack to Jack

Part Number	Dielectric
LTI-A3MTFFFNT	Teflon
LTI-A3MTFFFND	Delrin



## T Adapter, Jack to Plug to Jack

Part Number	Dielectric
LTI-A3MTFMFNT	Teflon
LTI-A3MTFMFND	Delrin

