

**SMA Connectors**

Specifications	27
Flexible Cable	29
Semi-Rigid Cable	32
Panel Mount	35
Bulkhead	41
PCB Mount	43
Reverse Polarity	50
In Series Adapters	52

Other Information

Assembly Instructions	176
Cable Assembly	166
Cable Information	168
Numerical Index	184

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

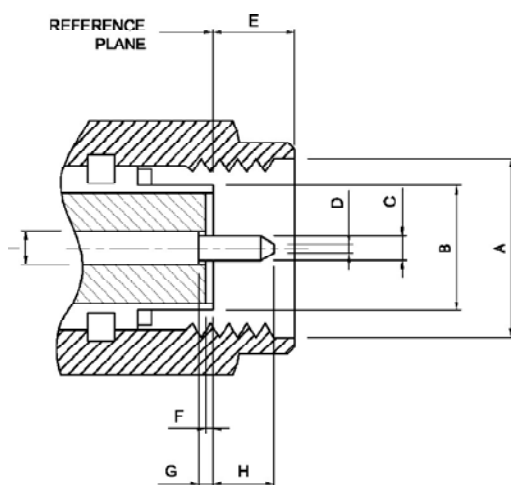


SMA connectors are semi-precision, subminiature devices that provide repeatable electrical performance from DC to 12.4 GHz with flexible cable. Semi-rigid cabling extends the frequency range of the device to 18 GHz. These devices offer broadband performance with low reflections and constant 50 ohm impedance. These properties, along with minimum attenuation and low VSWR have made the SMA extremely popular in the microwave community. LTI SMA connectors are designed to conform to MIL-C-39012 specifications.

The SMA design has been broadened to accommodate many interconnect requirements and is available in pressure crimp, clamp and solder terminal attachments. SMA design parameters have incorporated the considerations of balancing cost, size, weight and performance to yield the best value in your microwave system. Among typical applications are components such as dividers, mixers, amplifiers, trimmers and attenuators. SMA connectors are also used to provide interconnections from printed circuit board striplines to coaxial cable.

Interface Mating Dimensions

PLUG



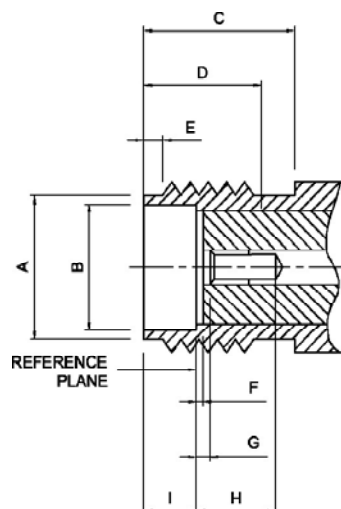
Letter	Minimum	Maximum
A	6.35	6.73
B	4.53	4.59
C	0.90	0.94
D	0.00	0.38
E	2.54	3.43
F	0.00	0.25
G	0.00	0.25
H	1.91	2.54
I	1.24	1.30

DIMENSIONS ARE IN MILLIMETERS

JACK

Letter	Minimum	Maximum
A	5.28	5.49
B	4.60	4.67
C	5.54	-
D	4.32	-
E	0.38	1.14
F	0.00	0.25
G	0.00	0.25
H	2.92	-
I	1.88	1.98
J	1.24	1.30

DIMENSIONS ARE IN MILLIMETERS





ELECTRICAL RATINGS

Impedance	50 ohm											
RF Leakage	-90 dB @ 2-3 GHz											
Insulation Resistance	5000 MΩ min											
Contact Resistance	<i>Center Contact</i>						<i>Outer Contact</i>					
	3.0 mΩ max						2.0 mΩ max					
	<i>Straight Connectors</i>						<i>Right Angle Connectors</i>					
Insertion Loss	.04 dB max x - f GHz						.06 dB max x - f GHz					
Cable Type	<i>Semi-Rigid</i>			<i>Flexible</i>			<i>Semi-Rigid</i>			<i>Flexible</i>		
Frequency	DC to 18 GHz			DC to 12.4 GHz			DC to 18 GHz			DC to 12.4 GHz		
Cable Dielectric Diameter (mm)	0.94	1.68	3	0.86	1.5	2.95	0.94	1.68	3	0.86	1.5	2.95
Dielectric Withstanding Voltage (at sea level, in V rms, 50 Hz)	1000	1000	1500	500	750	1000	1000	1000	1500	500	750	1000
Working Voltage (at sea level, in V rms, 50 Hz)	250	335	500	250	250	335	250	335	500	250	250	335
Corona Extinction Voltage (at 21000m, in V rms, 50 Hz)	250	250	375	190	190	250	250	250	375	190	190	250

MECHANICAL RATINGS

Mating	¼"-36 threaded coupling		<i>Stainless Steel</i>
	<i>Brass</i>		
Durability	100 matings max		500 matings max
Coupling Proof Torque	5.3 in-lbs		15 in-lbs
Coupling Nut Retention Force	60.7 lbs min		60.7 lbs min
Contact Captivation – Axial	6.1 lbs min		6.1 lbs min
Cable Retention	RG-174, 188, 316		RG-178, 196
	12.1 lbs min		7.3 lbs min

ENVIRONMENTAL RATINGS

Temperature Range	-65°C to + 165°C
Thermal Shock	MIL-STD-202, Method 1017, Condition A
Vibration	MIL-STD-202, Method 204, Condition D
Corrosion	MIL-STD-202, Method 101, Condition B
Temperature Cycling	MIL-STD-202, Method 102, Condition C

MATERIALS

	<i>Material</i>	<i>Plating</i>
Connector Body	Brass per QQ-B-626	Gold/Nickel
Center Contact	Brass per QQ-B-626	Gold
	Beryllium Copper per QQ-C-530	Gold
Insulator	Teflon	None
Gasket	Silicone Rubber	None
Crimp Ferrule	Annealed Copper per WW-T-799	Same as body

VSWR

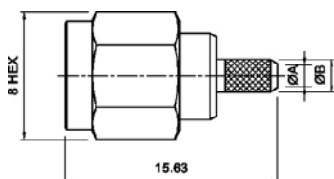
Cable Type	Frequency Range						
	1 GHz	3 GHz	6 GHz	10 GHz	12.4 GHz	18 GHz	
RG-55, 142, 223, 400	1.06	1.06	1.16	1.3	-	-	Typical VSWR for SMA straight connectors
RG-58	1.06	1.06	1.2	-	-	-	
RG-174, 188, 316	1.06	1.06	1.2	-	-	-	
RG-178, 196	1.06	1.06	1.15	-	-	-	
Semi-rigid .086"	1.03	1.03	1.03	1.1	1.3	-	
Semi-rigid .141"	1.03	1.03	1.03	1.1	1.25	1.3	
RG-55, 142, 223, 400	1.07	1.07	1.23	1.28	-	-	Typical VSWR for SMA right angle connectors
RG-58	1.07	1.07	1.23	-	-	-	
RG-174, 188, 316	1.07	1.1	1.3	-	-	-	
RG-178, 196	1.07	1.1	1.3	-	-	-	
Semi-rigid .086"	1.05	1.1	1.2	-	-	-	
Semi-rigid .141"	1.03	1.03	1.1	1.25	1.3	-	



Straight Crimp Plug

Part Number		Cable Type	Dimension	
Brass	Stainless Steel			
LTI-SASM11GT-XXX	LTI-SASM11ST-XXX	RG-316,174,188;Q1,D316	A: 1.6	B: 2.35
LTI-SASM11GT-XXX	LTI-SASM11ST-XXX	RG-178,196	A: 1.0	B: 1.7

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is.
See Part Numbering Chart on page 3 for more info.
Nickel plated parts (LTI-SASM11NT-XXX) available. Call for min order reqs.

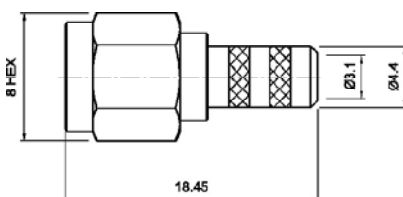
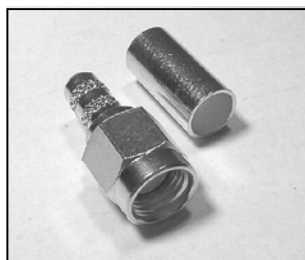


ASSEMBLY INST.: Page 176
Recommended Stripping DIMs:
Page 172, Line 7

Straight Crimp Plug

Part Number		Cable Type
Brass	Stainless Steel	
LTI-SASM11GT-XXX	LTI-SASM11ST-XXX	RG-58,141,142,223,400

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is. See Part Numbering Chart on page 3 for more info.
Nickel plated parts (LTI-SASM11NT-XXX) available. Call for min order reqs.

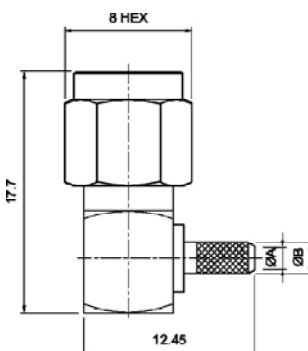


ASSEMBLY INST.: Page 176
Recommended Stripping DIMs:
Page 172, Line 7

Right Angle Crimp Plug

Part Number	Cable Type	Dimension	
LTI-SALM11GT-XXX	RG-316,174,188;Q1,D316	A: 1.6	B: 2.35
LTI-SALM11GT-XXX	RG-178,196	A: 1.0	B: 1.7

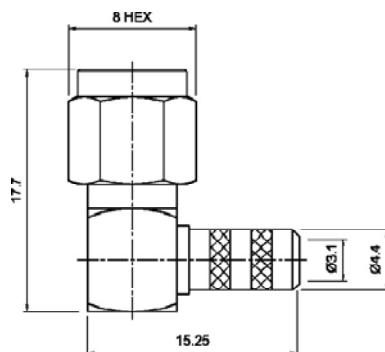
TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is.
See Part Numbering Chart on page 3 for more info.
Nickel plated parts (LTI-SALM11NT-XXX) available. Call for min order reqs.



ASSEMBLY INST.: Page 177
Recommended Stripping DIMs:
Page 172, Line 8



Right Angle Crimp Plug

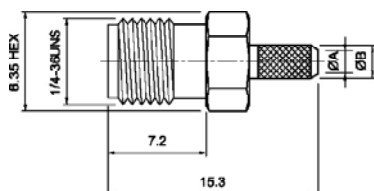
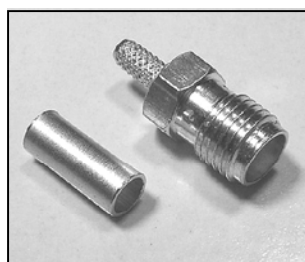


Part Number	Cable Type
LTI-SALM11GT-XXX	RG-58,141,142,223,400

TO CREATE COMPLETE PART NUMBER:
Fill in Cable Type where XXX is. See Part Numbering
Chart on page 3 for more info. Nickel plated parts
(LTI-SALM11NT-XXX) available. Call for min order reqs.

ASSEMBLY INST.: Page 177
Recommended Stripping DIMS:
Page 172, Line 8

Straight Crimp Jack

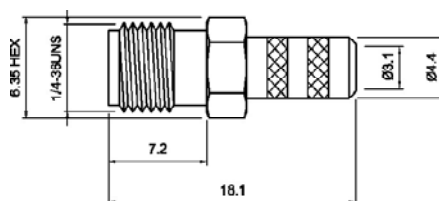
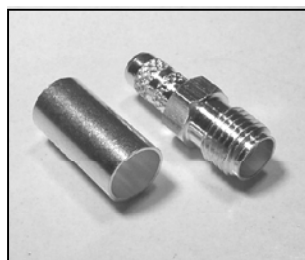


Part Number		Cable Type	Dimension	
Brass	Stainless Steel		A	B
LTI-SASF11GT-XXX	LTI-SASF11ST-XXX	RG-316,174,188;Q1,D316	A: 1.6	B: 2.35
LTI-SASF11GT-XXX	LTI-SASF11ST-XXX	RG-178,196	A: 1.0	B: 1.7

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is. See Part
Numbering Chart on page 3 for more info.
Nickel plated parts (LTI-SASF11NT-XXX) available. Call for min order reqs.

ASSEMBLY INST.: Page 176
Recommended Stripping DIMS:
Page 172, Line 9

Straight Crimp Jack



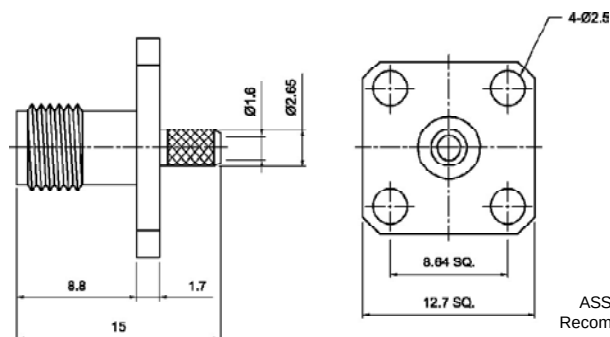
Part Number		Cable Type
Brass	Stainless Steel	
LTI-SASF11GT-XXX	LTI-SASF11ST-XXX	RG-58,141,142,223,400

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is. See
Part Numbering Chart on page 3 for more info.
Nickel plated parts (LTI-SASF11NT-XXX) available. Call for min order reqs.

ASSEMBLY INST.: Page 176
Recommended Stripping DIMS:
Page 172, Line 9

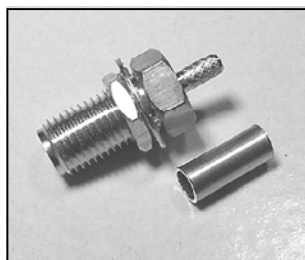


4-Hole Panel Mount Crimp Jack for Flexible Cable



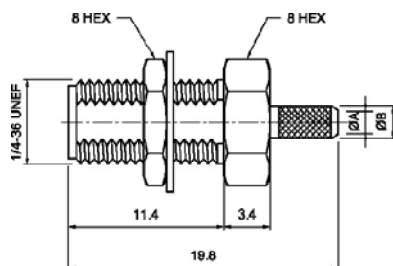
ASSEMBLY INST.: Page 176
Recommended Stripping DIMS:
Page 172, Line 38

Straight Rear Mount Bulkhead Crimp Jack



Part Number		Cable Type	M.H.	Dimension	
Brass	Stainless Steel				
LTI-SASF13RGT-XXX	LTI-SASF13RST-XXX	RG-316,174,188;Q1,D316	5	A: 1.6	B: 2.35
LTI-SASF13RGT-XXX	LTI-SASF13RST-XXX	RG-178,196	5	A: 1.0	B: 1.7

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is. See Part Numbering Chart on page 3 for more info. Nickel plated parts (LTI-SASF13RNT-XXX) available. Call for min order reqs.



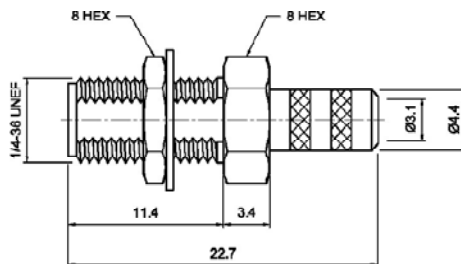
ASSEMBLY INST.: Page 176
Recommended Stripping DIMS:
Page 172, Line 10

Straight Rear Mount Bulkhead Crimp Jack



Part Number		Cable Type	M.H.
Brass	Stainless Steel		
LTI-SASF13RGT-XXX	LTI-SASF13RST-XXX	RG-58,141,142,223,400	5

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is. See Part Numbering Chart on page 3 for more info. Nickel plated parts (LTI-SASF13RNT-XXX) available. Call for min order reqs.



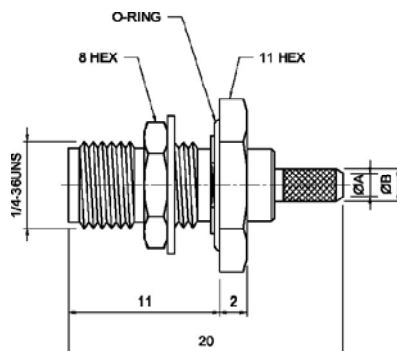
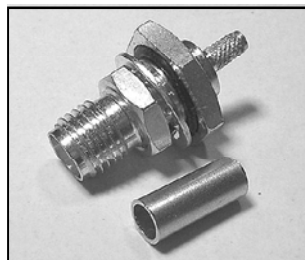
ASSEMBLY INST.: Page 176
Recommended Stripping DIMS:
Page 172, Line 10



Straight Rear Mount Bulkhead Crimp Jack with O-Ring

Part Number		Cable Type	M.H.	Dimension	
Brass	Stainless Steel			A	B
LTI-SASF13ROGT-XXX	LTI-SASF13ROST-XXX	RG-316,174,188;Q1,D316	6	1.6	2.35
LTI-SASF13ROGT-XXX	LTI-SASF13ROST-XXX	RG-178,196	6	1.0	1.7

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is. See Part Numbering Chart on page 3 for more info. Nickel plated parts (LTI-SASF13RONT-XXX) available. Call for min order reqs.

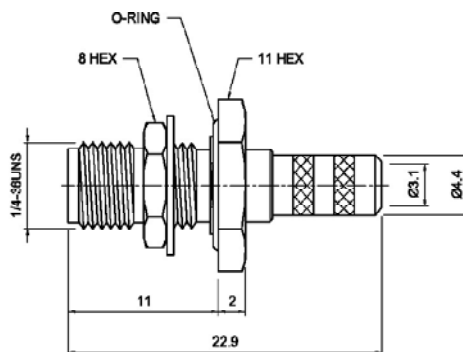


MOUNTING HOLE (M.H.): Page 174
ASSEMBLY INST.: Page 176
Recommended Stripping DIMS:
Page 172, Line 38

Straight Rear Mount Bulkhead Crimp Jack with O-Ring

Part Number		Cable Type	M.H.
Brass	Stainless Steel		
LTI-SASF13ROGT-XXX	LTI-SASF13ROST-XXX	RG-58,141,142,223,400	6

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is. See Part Numbering Chart on page 3 for more info. Nickel plated parts (LTI-SASF13RONT-XXX) available. Call for min order reqs.



MOUNTING HOLE (M.H.): Page 174
ASSEMBLY INST.: Page 176
Recommended Stripping DIMS:
Page 172, Line 38

Straight Solder Plug for Semi-Rigid Cable

Part Number		Cable Type	Dimension			
Brass	Stainless Steel		Figure 1		Figure 2	
LTI-SASM31GT-034	N/A	Semi-Rigid .034	--	--	A: 1.0	B: 2.0
LTI-SASM31GT-047	N/A	Semi-Rigid .047	--	--	A: 1.3	B: 2.2
LTI-SASM31GT-086	LTI-SASM31ST-086	Semi-Rigid .086	A: 2.3	B: 3.2	--	--
LTI-SASM31GT-141	LTI-SASM31ST-141	Semi-Rigid .141	A: 3.65	B: 4.8	--	--

Nickel plated parts (LTI-SASM31NT-XXX) available. Call for min order reqs.

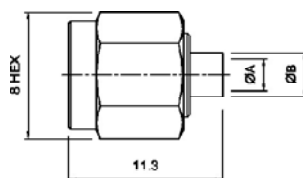
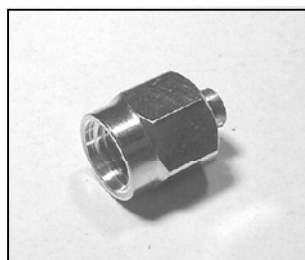


FIGURE 1

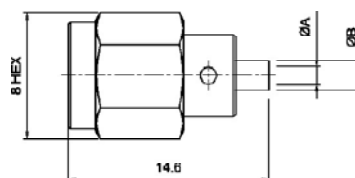


FIGURE 2

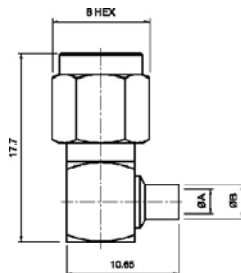
ASSEMBLY INST.: Page 180
Recommended Stripping DIMS:
Page 173, Line 3



Right Angle Solder Plug for Semi-Rigid Cable

Part Number	Cable Type	Dimensions	
LTI-SALM31GT-034	Semi-Rigid .034	A: 1.0	B: 2.0
LTI-SALM31GT-047	Semi-Rigid .047	A: 1.3	B: 2.2
LTI-SALM31GT-086	Semi-Rigid .086	A: 2.3	B: 3.2
LTI-SALM31GT-141	Semi-Rigid .141	A: 3.65	B: 4.8

Nickel plated parts (LTI-SALM31NT-XXX) available. Call for min order reqs.

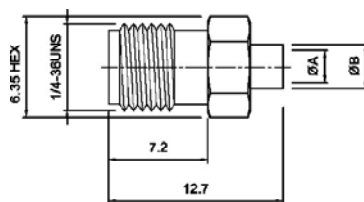


ASSEMBLY INST.: Page 181
Recommended Stripping DIMs:
Page 173, Line 4

Straight Solder Jack for Semi-Rigid Cable

Part Number	Cable Type	Dimensions	
LTI-SASF31GT-034	Semi-Rigid .034	A: 1.0	B: 2.0
LTI-SASF31GT-047	Semi-Rigid .047	A: 1.3	B: 2.2
LTI-SASF31GT-086	Semi-Rigid .086	A: 2.3	B: 3.2
LTI-SASF31GT-141	Semi-Rigid .141	A: 3.65	B: 4.8

Nickel plated parts (LTI-SASF31NT-XXX) available. Call for min order reqs.

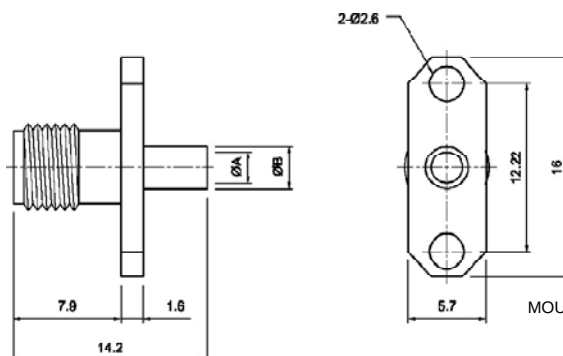
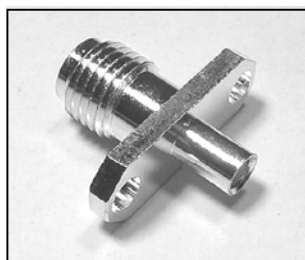


ASSEMBLY INST.: Page 180
Recommended Stripping DIMs:
Page 173, Line 3

2-Hole Panel Mount Solder Jack for Semi-Rigid Cable

Part Number	Cable Type	M.H.	Dimensions	
LTI-SASF32NFGT-047	Semi-Rigid .047	36	A: 1.3	B: 2.2
LTI-SASF32NFGT-086	Semi-Rigid .086	36	A: 2.3	B: 3.2
LTI-SASF32NFGT-141	Semi-Rigid .141	36	A: 3.65	B: 4.8

Nickel plated parts (LTI-SASF32NFNT-XXX) available. Call for min order reqs.



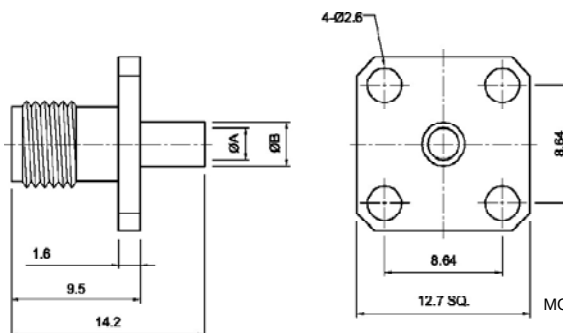
MOUNTING HOLE (M.H.): Page 175
ASSEMBLY INST.: Page 180
Recommended Stripping DIMs:
Page 173, Line 3



4-Hole Panel Mount Jack for Semi-Rigid Cable

Part Number	Cable Type	M.H.	Dimensions	
LTI-SASF32SFGT-047	Semi-Rigid .047	37	A: 1.3	B: 2.2
LTI-SASF32SFGT-086	Semi-Rigid .086	37	A: 2.3	B: 3.2
LTI-SASF32SFGT-141	Semi-Rigid .141	37	A: 3.65	B: 4.8

Nickel plated parts (LTI-SASF32SFNT-XXX) available. Call for min order reqs.

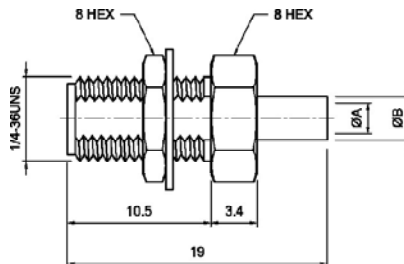


MOUNTING HOLE (M.H.): Page 175
ASSEMBLY INST.: Page 180
Recommended Stripping DIMs:
Page 173, Line 3

Rear Mount Bulkhead Solder Jack for Semi-Rigid Cable

Part Number	Cable Type	M.H.	Dimensions	
LTI-SASF33RGT-034	Semi-Rigid .034	5	A: 1.0	B: 2.0
LTI-SASF33RGT-047	Semi-Rigid .047	5	A: 1.3	B: 2.2
LTI-SASF33RGT-086	Semi-Rigid .086	5	A: 2.3	B: 3.2
LTI-SASF33RGT-141	Semi-Rigid .141	5	A: 3.65	B: 4.8

Nickel plated parts (LTI-SASF33RNT-XXX) available. Call for min order reqs.

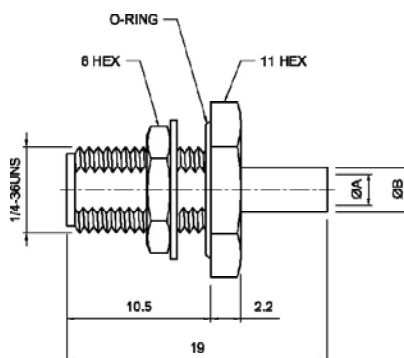
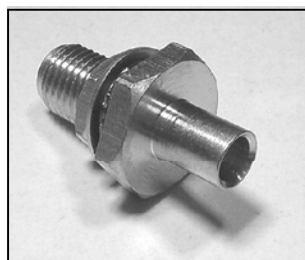


MOUNTING HOLE (M.H.): Page 174
ASSEMBLY INST.: Page 180
Recommended Stripping DIMs:
Page 173, Line 3

Rear Mount Bulkhead Solder Jack for Semi-Rigid Cable with O-Ring

Part Number	Cable Type	M.H.	Dimensions	
LTI-SASF33ROGT-034	Semi-Rigid .034	5	A: 1.0	B: 2.0
LTI-SASF33ROGT-047	Semi-Rigid .047	5	A: 1.3	B: 2.2
LTI-SASF33ROGT-086	Semi-Rigid .086	5	A: 2.3	B: 3.2
LTI-SASF33ROGT-141	Semi-Rigid .141	5	A: 3.65	B: 4.8

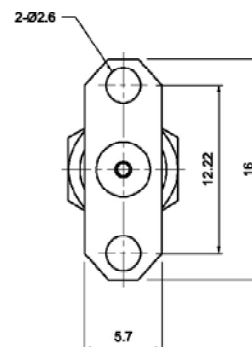
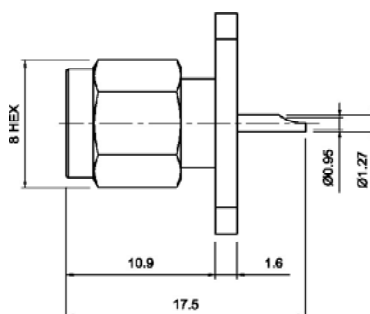
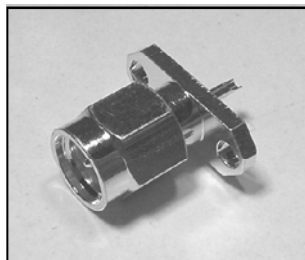
Nickel plated parts (LTI-SASF33RONT-XXX) available. Call for min order reqs.



MOUNTING HOLE (M.H.): Page 174
ASSEMBLY INST.: Page 180
Recommended Stripping DIMs:
Page 173, Line 3



2-Hole Panel Mount Plug with Solder Cup

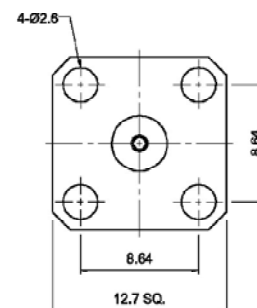
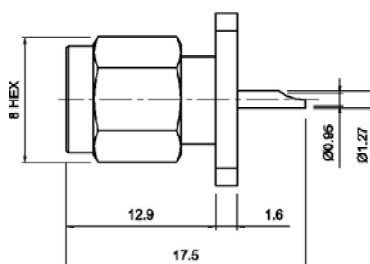
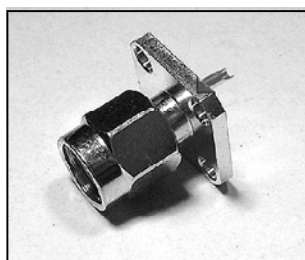


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASM42NFGT	LTI-SASM42NFST	36

Nickel plated brass parts (LTI-SASM42NFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

4-Hole Panel Mount Plug with Solder Cup

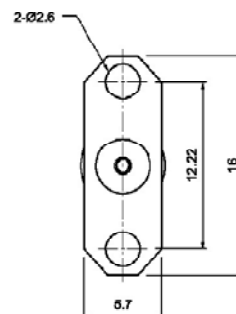
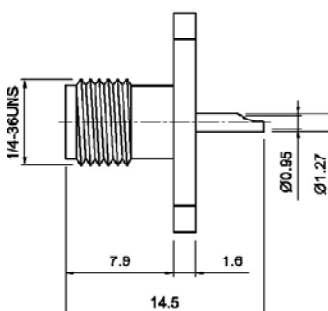
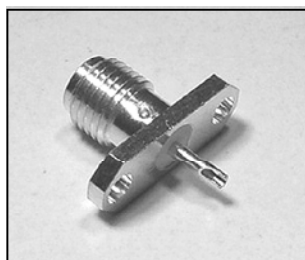


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASM42SFGT	LTI-SASM42SFST	37

Nickel plated brass parts (LTI-SASM42SFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

2-Hole Panel Mount Jack with Solder Cup



Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF42NFGT	LTI-SASF42NFST	36

Nickel plated brass parts (LTI-SASF42NFNT) available. Call for min order reqs.

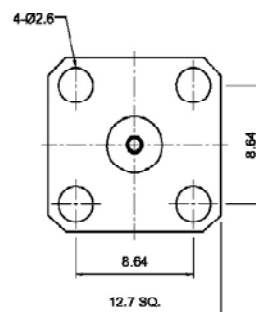
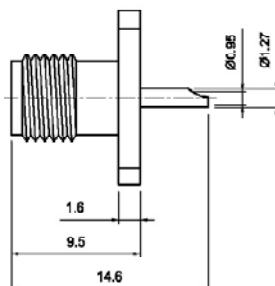
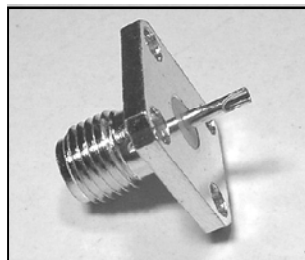
MOUNTING HOLE (M.H.): Page 175



4-Hole Panel Mount Jack with Solder Cup

Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF42SFGT	LTI-SASF42SFST	37

Nickel plated brass parts (LTI-SASF42SFNT) available. Call for min order reqs.

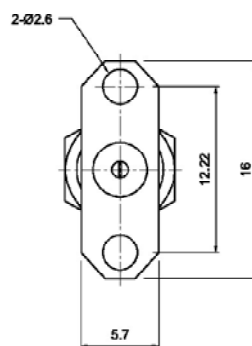
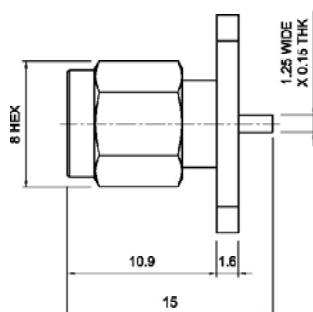
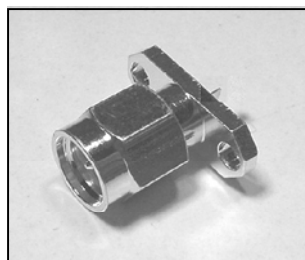


MOUNTING HOLE (M.H.): Page 175

2-Hole Panel Mount Plug with Tab Terminal

Part Number		M.H.
Brass	Stainless Steel	
LTI-SASM72NFGT	LTI-SASM72NFST	36

Nickel plated brass parts (LTI-SASM72NFNT) available. Call for min order reqs.

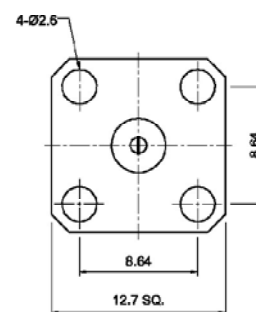
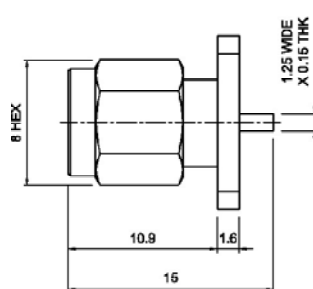
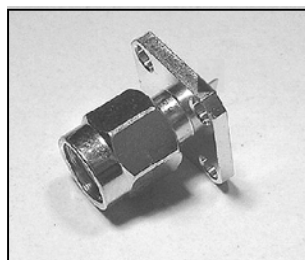


MOUNTING HOLE (M.H.): Page 175

4-Hole Panel Mount Plug with Tab Terminal

Part Number		M.H.
Brass	Stainless Steel	
LTI-SASM72SFGT	LTI-SASM72SFST	37

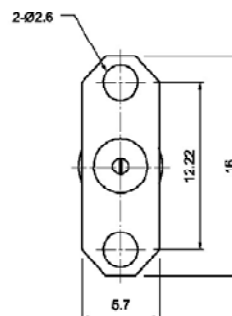
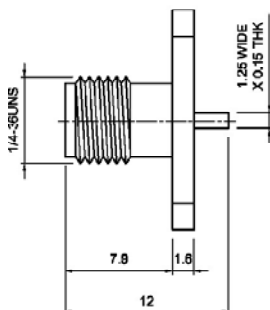
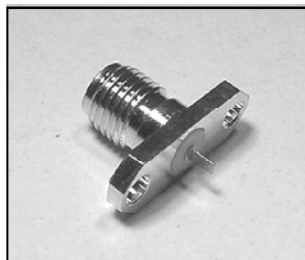
Nickel plated brass parts (LTI-SASM72SFNT) available. Call for min order reqs.



MOUNTING HOLE (M.H.): Page 175



2-Hole Panel Mount Jack with Tab Terminal

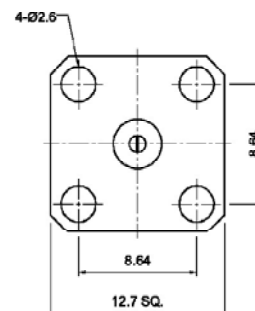
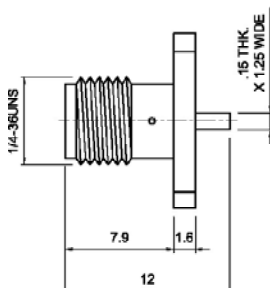
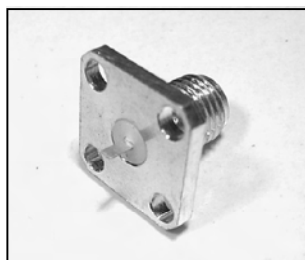


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF72NFGT	LTI-SASF72NFST	36

Nickel plated brass parts (LTI-SASF72NFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

4-Hole Panel Mount Jack with Tab Terminal

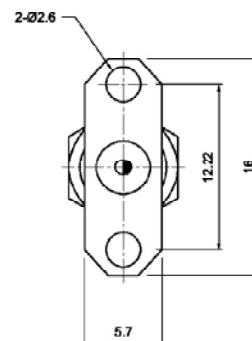
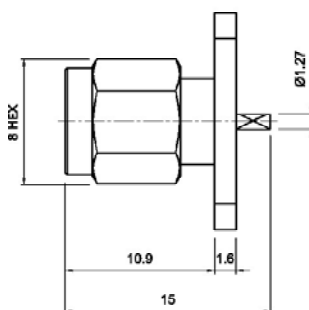
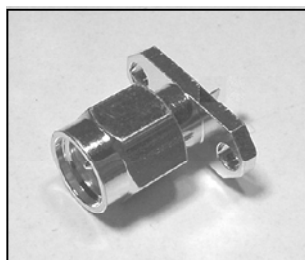


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF72SFGT	LTI-SASF72SFST	37

Nickel plated brass parts (LTI-SASF72SFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

2-Hole Panel Mount Plug with Half Round Terminal



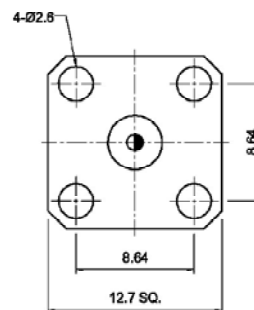
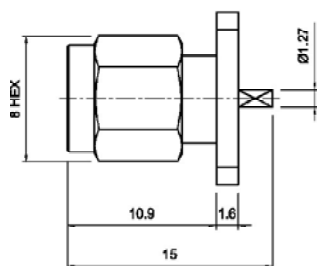
Part Number		M.H.
Brass	Stainless Steel	
LTI-SASM82NFGT	LTI-SASM82NFST	36

Nickel plated brass parts (LTI-SASM82NFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175



4-Hole Panel Mount Plug with Half Round Terminal

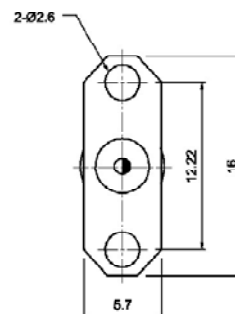
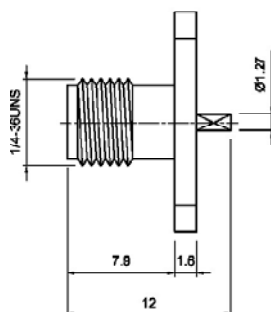
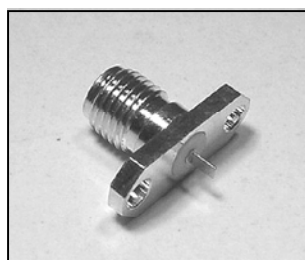


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASM82SFGT	LTI-SASM82SFST	37

Nickel plated brass parts (LTI-SASM82SFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

2-Hole Panel Mount Jack with Half Round Terminal

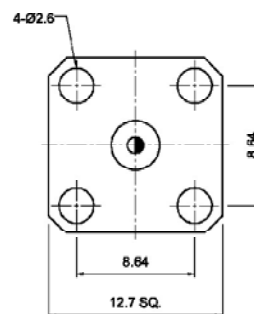
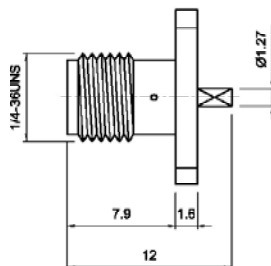


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF82NFGT	LTI-SASF82NFST	36

Nickel plated brass parts (LTI-SASF82NFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

4-Hole Panel Mount Jack with Half Round Terminal



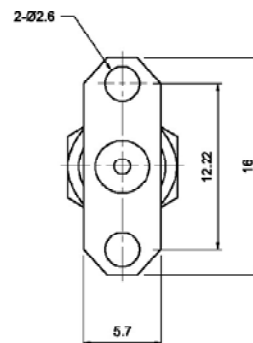
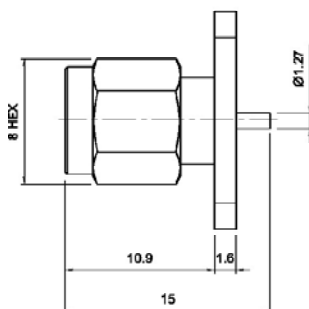
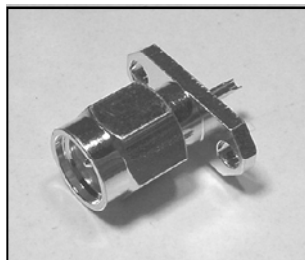
Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF82SFGT	LTI-SASF82SFST	37

Nickel plated brass parts (LTI-SASF82SFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175



2-Hole Panel Mount Plug with Solder Post

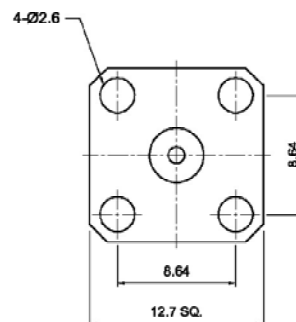
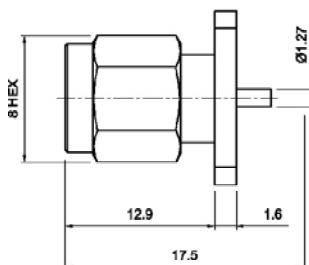
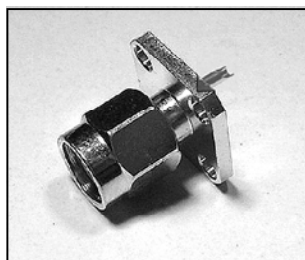


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASM92NFST	LTI-SASM92NFST	36

Nickel plated brass parts (LTI-SASM92NFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

4-Hole Panel Mount Plug with Solder Post

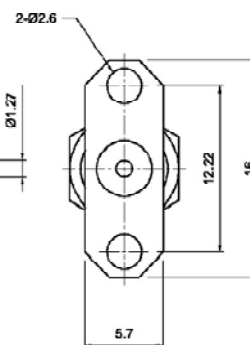
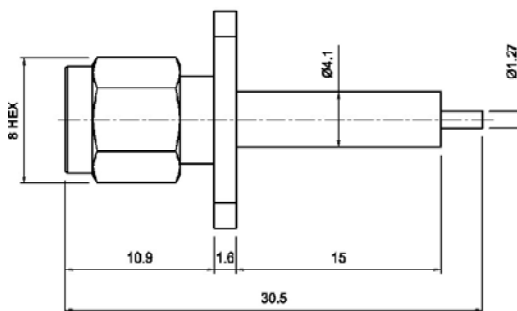


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASM92SFGT	LTI-SASM92SFST	37

Nickel plated brass parts (LTI-SASM92SFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

2-Hole Panel Mount Plug with Extended Dielectric and Solder Post Terminal



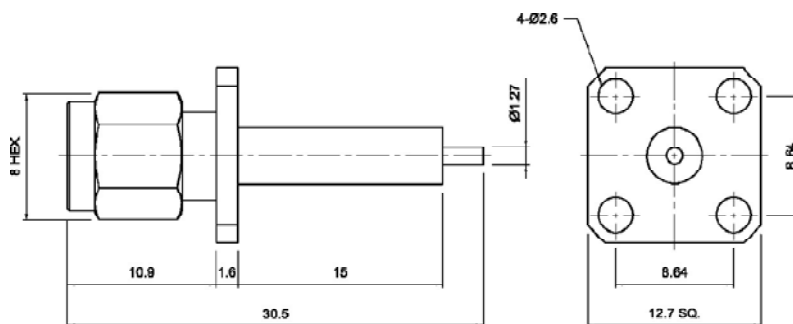
Part Number		M.H.
Brass	Stainless Steel	
LTI-SASM92DNFGT	LTI-SASM92DNFST	36

Nickel plated brass parts (LTI-SASM92DNFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175



4-Hole Panel Mount Plug with Extended Dielectric and Solder Post Terminal

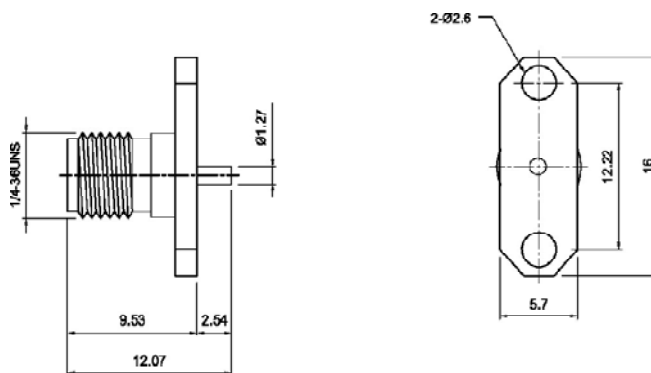
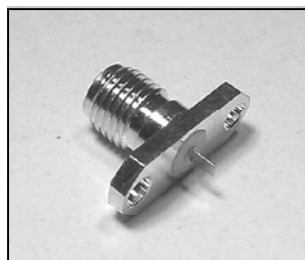


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASM92DSFGT	LTI-SASM92DSFST	37

Nickel plated brass parts (LTI-SASM92DSFN T) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

2-Hole Panel Mount Jack with Solder Post Terminal

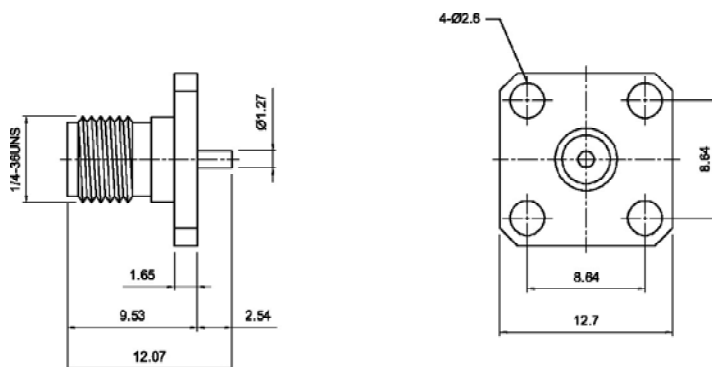
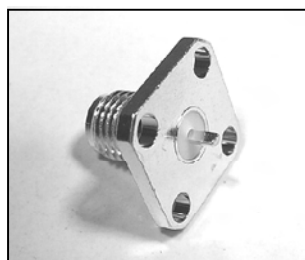


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF92NFGT	LTI-SASF92NFST	36

Nickel plated brass parts (LTI-SASF92NFNT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

4-Hole Panel Mount Jack with Solder Post Terminal



Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF92SFGT	LTI-SASF92SFST	37

Nickel plated brass parts (LTI-SASF92SFNT) available. Call for min order reqs.

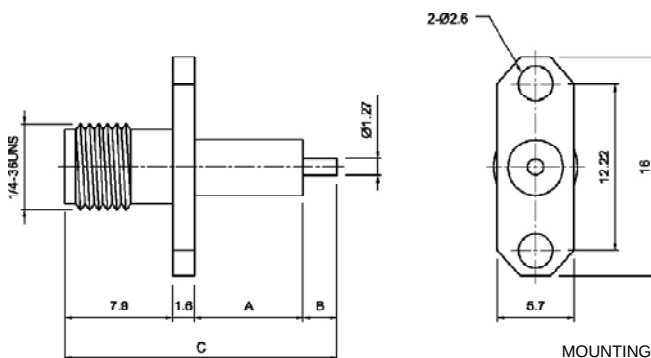
MOUNTING HOLE (M.H.): Page 175



2-Hole Panel Mount Jack with Extended Dielectric and Solder Post Terminal

Part Number		M.H.	Dimensions		
Brass	Stainless Steel				
LTI-SASF92DNFGT	LTI-SASF92DNFST	36	A: 15	B: 2.9	C: 27.4
LTI-SASF92MDNFGT	LTI-SASF92MDNFST	36	A: 8	B: 2.5	C: 20
LTI-SASF92ZDNFGT	LTI-SASF92ZDNFST	36	A: 5	B: 2.5	C: 17

Nickel plated brass parts (LTI-SASF92DNFNT) available. Call for min order reqs.

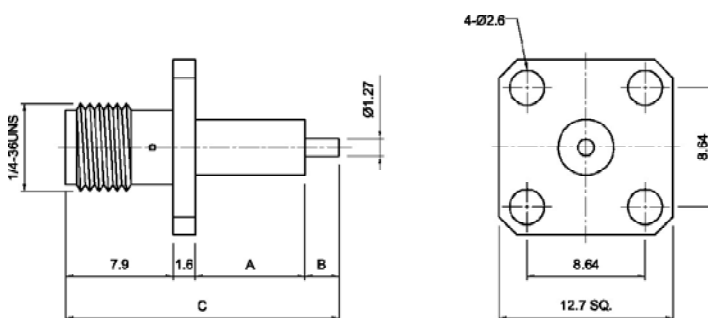
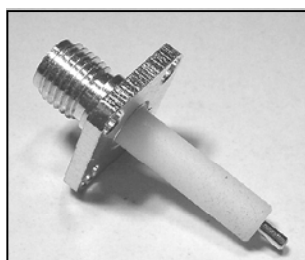


MOUNTING HOLE (M.H.): Page 175

4-Hole Panel Mount Jack with Extended Dielectric and Solder Post Terminal

Part Number		M.H.	Dimensions		
Brass	Stainless Steel				
LTI-SASF92DSFGT	LTI-SASF92DSFST	37	A: 15	B: 2.9	C: 27.4
LTI-SASF92MDSFGT	LTI-SASF92MDSFST	37	A: 8	B: 2.5	C: 20
LTI-SASF92ZDSFGT	LTI-SASF92ZDSFST	37	A: 5	B: 2.5	C: 17

Nickel plated brass parts (LTI-SASF92DSFNT) available. Call for min order reqs.

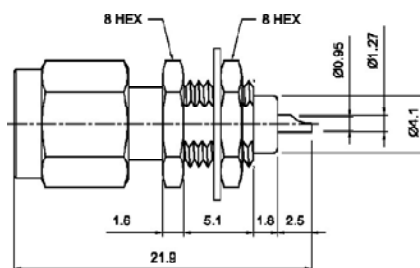


MOUNTING HOLE (M.H.): Page 175

Front Mount Bulkhead Plug with Solder Cup

Part Number	M.H.
LTI-SASM43GT	5

Nickel plated parts (LTI-SASM43NT) available. Call for min order reqs.



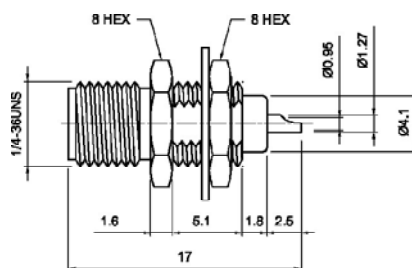
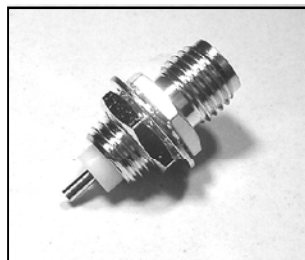
MOUNTING HOLE (M.H.): Page 174



Front Mount Bulkhead Jack with Solder Cup

Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF43GT	LTI-SASF43ST	5

Nickel plated brass parts (LTI-SASF43NT) available. Call for min order reqs.

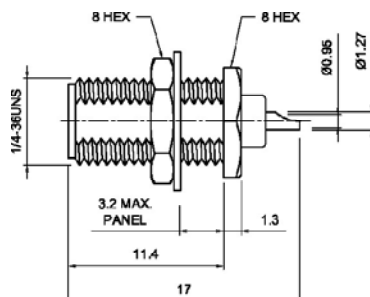


MOUNTING HOLE (M.H.): Page 174

Rear Mount Bulkhead Jack with Solder Cup

Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF43RGT	LTI-SASF43RST	5

Nickel plated brass parts (LTI-SASF43RNT) available. Call for min order reqs.

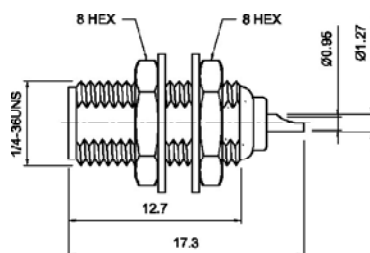


MOUNTING HOLE (M.H.): Page 174

Feedthru Bulkhead Jack with Solder Cup

Part Number	M.H.
LTI-SASF4F3GT	5

Nickel plated parts (LTI-SASF4F3NT) available. Call for min order reqs.



MOUNTING HOLE (M.H.): Page 174



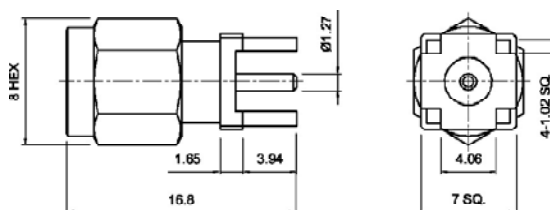
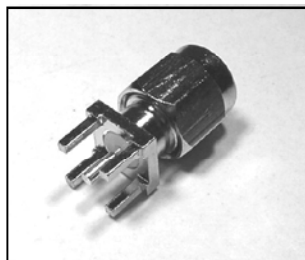
Lighthouse Technologies, Inc.

PCB Mount

SMA

Vertical PCB Thru Hole Plug

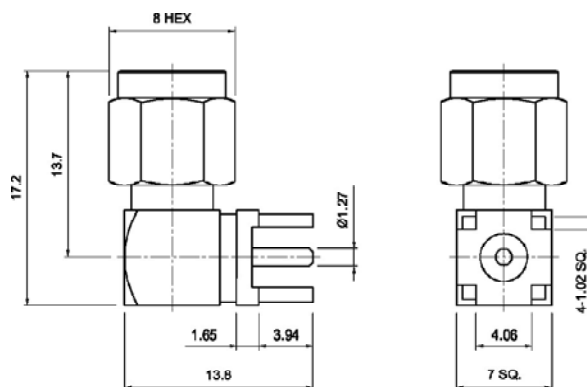
Part Number	M.H.
LTI-SASM54GT	24
Nickel plated parts (LTI-SASM54NT) available. Call for min order reqs.	



MOUNTING HOLE (M.H.): Page 174

Right Angle PCB Thru Hole Plug

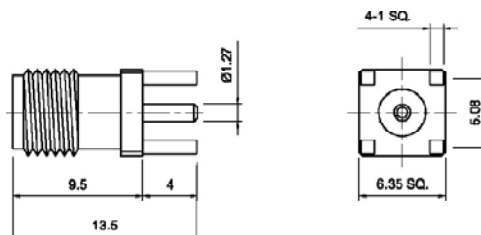
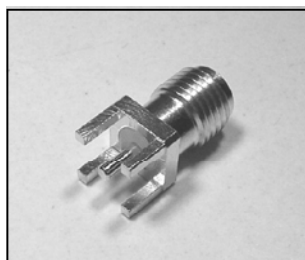
Part Number	M.H.
LTI-SALM54GT	24
Nickel plated parts (LTI-SALM54NT) available. Call for min order reqs.	



MOUNTING HOLE (M.H.): Page 174

Vertical PCB Thru Hole Jack

Part Number	M.H.
LTI-SASF54GT	24
Nickel plated parts (LTI-SASF54NT) available. Call for min order reqs.	

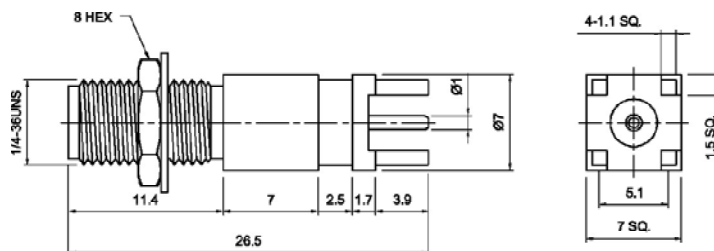
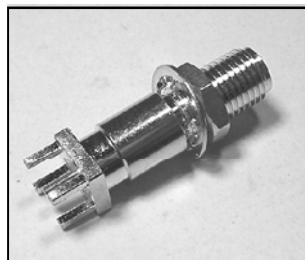


MOUNTING HOLE (M.H.): Page 174



Vertical Bulkhead PCB Thru Hole Jack

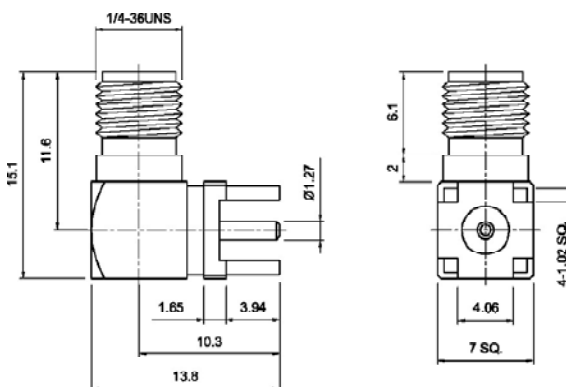
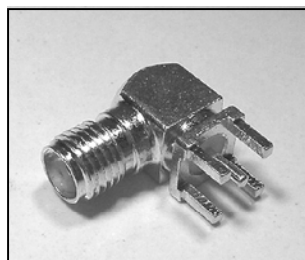
Part Number	M.H.
LTI-SASF543GT	24
Nickel plated parts (LTI-SASF543NT) available. Call for min order reqs.	



MOUNTING HOLE (M.H.): Page 174

Right Angle PCB Thru Hole Jack

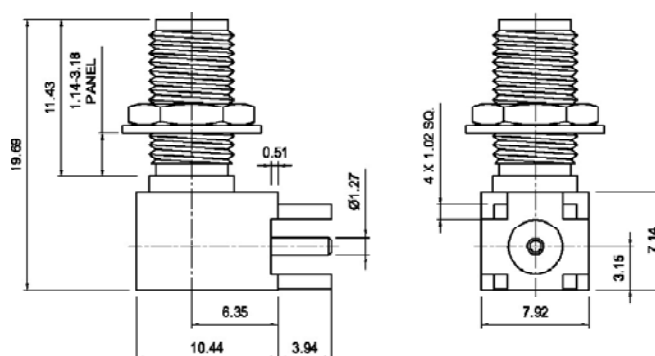
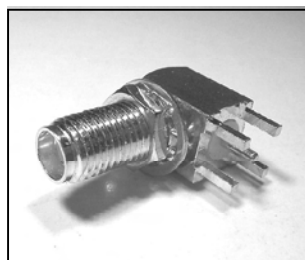
Part Number	M.H.
LTI-SALF54GT	24
Nickel plated parts (LTI-SALF54NT) available. Call for min order reqs.	



MOUNTING HOLE (M.H.): Page 174

Right Angle PCB Thru Hole Jack, Long Version

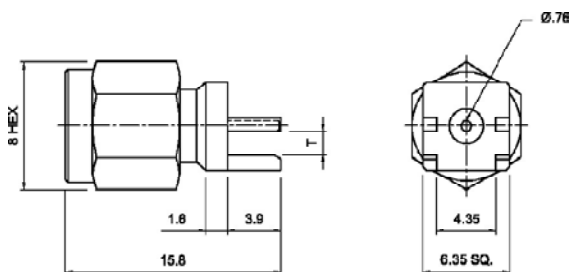
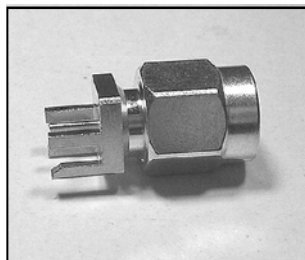
Part Number	M.H.
LTI-SALF54LGT	24
Nickel plated parts (LTI-SALF54LNT) available. Call for min order reqs.	



MOUNTING HOLE (M.H.): Page 174



End Launch PCB Plug

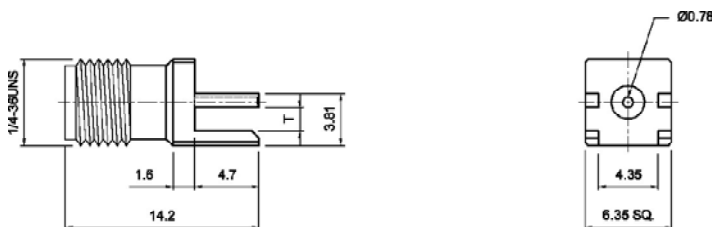
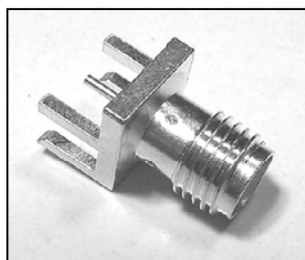


Part Number	L.P.	Dimensions
LTI-SASM55GT	45	T: 1.73 (.062 PCB)
LTI-SASM55GT-5	45	T: 1.22 (.048 PCB)
LTI-SASM55GT-4	45	T: 1.1 (.042 PCB)
LTI-SASM55GT-3	45	T: 0.75 (.031 PCB)
LTI-SASM55GT-2	45	T: 0.5 (.020 PCB)

Nickel plated parts (LTI-SASM55NT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

End Launch PCB Jack, Short Version

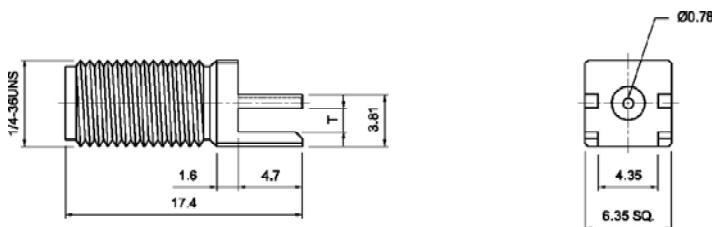
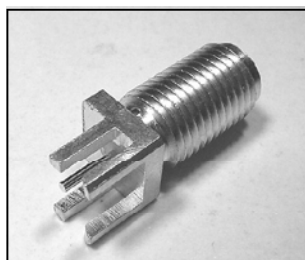


Part Number	L.P.	Dimensions
LTI-SASF55ZGT	45	T: 1.73 (.062 PCB)
LTI-SASF55ZGT-5	45	T: 1.22 (.048 PCB)
LTI-SASF55ZGT-4	45	T: 1.1 (.042 PCB)
LTI-SASF55ZGT-3	45	T: 0.75 (.031 PCB)
LTI-SASF55ZGT-2	45	T: 0.5 (.020 PCB)

Nickel plated parts (LTI-SASF55ZGT) available. Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

End Launch PCB Jack, Medium Version



Part Number	L.P.	Dimensions
LTI-SASF55MGT	45	T: 1.73 (.062 PCB)
LTI-SASF55MGT-5	45	T: 1.22 (.048 PCB)
LTI-SASF55MGT-4	45	T: 1.1 (.042 PCB)
LTI-SASF55MGT-3	45	T: 0.75 (.031 PCB)
LTI-SASF55MGT-2	45	T: 0.5 (.020 PCB)

Nickel plated parts (LTI-SASF55MGT) available. Call for min order reqs.

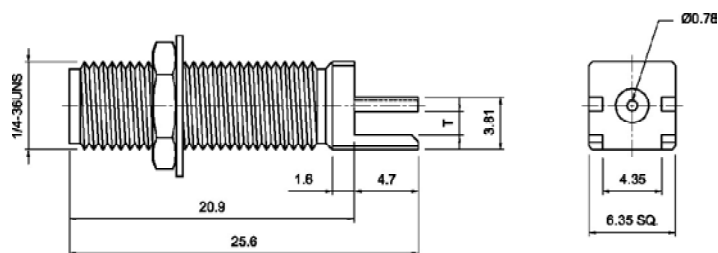
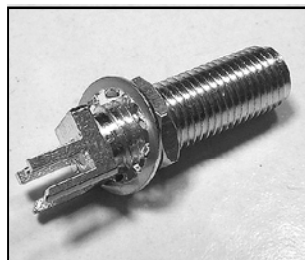
MOUNTING HOLE (M.H.): Page 175



End Launch PCB Jack, Long Version

Part Number	L.P.	Dimensions
LTI-SASF55LGT	45	T: 1.73 (.062 PCB)
LTI-SASF55LGT-5	45	T: 1.22 (.048 PCB)
LTI-SASF55LGT-4	45	T: 1.1 (.042 PCB)
LTI-SASF55LGT-3	45	T: 0.75 (.031 PCB)
LTI-SASF55LGT-2	45	T: 0.5 (.020 PCB)

Nickel plated parts (LTI-SASF55LGT) available. Call for min order reqs.

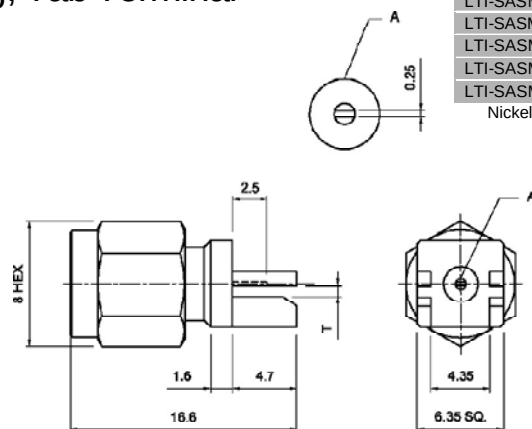
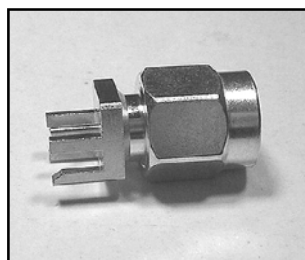


MOUNTING HOLE (M.H.): Page 175

End Launch PCB Plug, Tab Terminal

Part Number	L.P.	Dimensions
LTI-SASM75GT	46	T: 1.73 (.062 PCB)
LTI-SASM75GT-5	46	T: 1.22 (.048 PCB)
LTI-SASM75GT-4	46	T: 1.1 (.042 PCB)
LTI-SASM75GT-3	46	T: 0.75 (.031 PCB)
LTI-SASM75GT-2	46	T: 0.5 (.020 PCB)

Nickel plated parts (LTI-SASM75GT) available. Call for min order reqs.

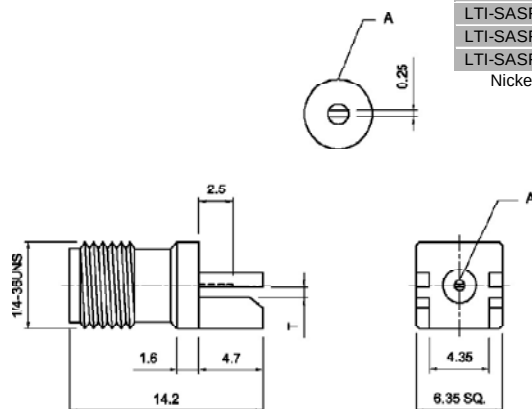
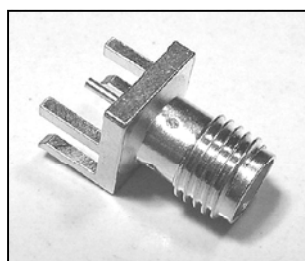


MOUNTING HOLE (M.H.): Page 175

End Launch PCB Jack, Tab Terminal

Part Number	L.P.	Dimensions
LTI-SASF75GT	46	T: 1.73 (.062 PCB)
LTI-SASF75GT-5	46	T: 1.22 (.048 PCB)
LTI-SASF75GT-4	46	T: 1.1 (.042 PCB)
LTI-SASF75GT-3	46	T: 0.75 (.031 PCB)
LTI-SASF75GT-2	46	T: 0.5 (.020 PCB)

Nickel plated parts (LTI-SASF75GT) available. Call for min order reqs.



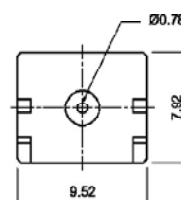
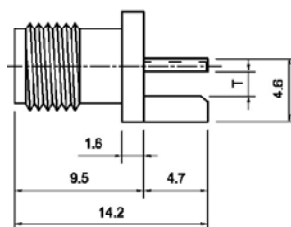
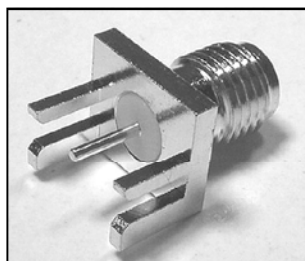
MOUNTING HOLE (M.H.): Page 175



End Launch PCB Jack, Wide Flange, Short Version

Part Number	L.P.	Dimensions
LTI-SASF95ZGT	46	T: 1.73 (.062 PCB)
LTI-SASF95ZGT-5	46	T: 1.22 (.048 PCB)
LTI-SASF95ZGT-4	46	T: 1.1 (.042 PCB)
LTI-SASF95ZGT-3	46	T: 0.75 (.031 PCB)
LTI-SASF95ZGT-2	46	T: 0.5 (.020 PCB)

Nickel plated parts (LTI-SASF95ZGT) available. Call for min order reqs.

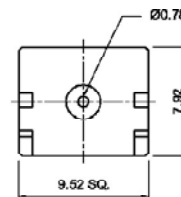
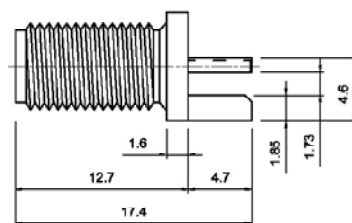
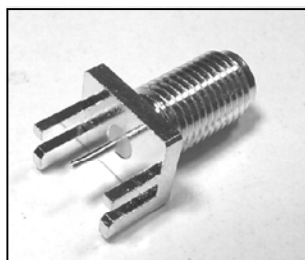


MOUNTING HOLE (M.H.): Page 175

End Launch PCB Jack, Wide Flange, Medium Version

Part Number	L.P.	Dimensions
LTI-SASF95MGT	46	T: 1.73 (.062 PCB)
LTI-SASF95MGT-5	46	T: 1.22 (.048 PCB)
LTI-SASF95MGT-4	46	T: 1.1 (.042 PCB)
LTI-SASF95MGT-3	46	T: 0.75 (.031 PCB)
LTI-SASF95MGT-2	46	T: 0.5 (.020 PCB)

Nickel plated parts (LTI-SASF95MGT) available. Call for min order reqs.

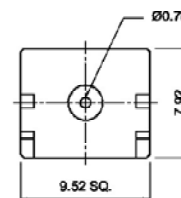
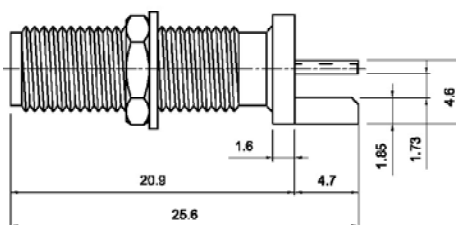
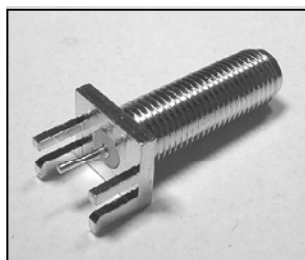


MOUNTING HOLE (M.H.): Page 175

End Launch Jack, Wide Flange, Long Version

Part Number	L.P.	Dimensions
LTI-SASF95LGT	46	T: 1.73 (.062 PCB)
LTI-SASF95LGT-5	46	T: 1.22 (.048 PCB)
LTI-SASF95LGT-4	46	T: 1.1 (.042 PCB)
LTI-SASF95LGT-3	46	T: 0.75 (.031 PCB)
LTI-SASF95LGT-2	46	T: 0.5 (.020 PCB)

Nickel plated parts (LTI-SASF95LGT) available. Call for min order reqs.

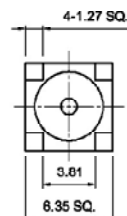
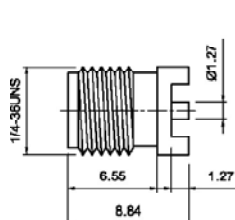
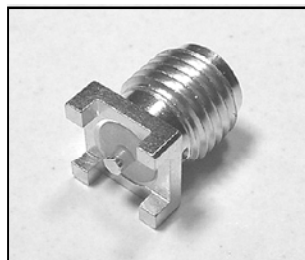


MOUNTING HOLE (M.H.): Page 175



Surface Mount PCB Jack

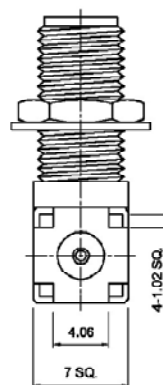
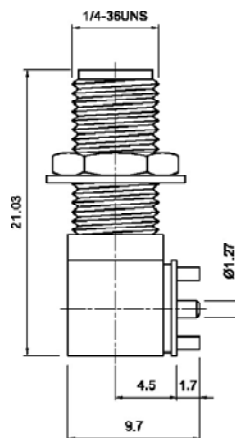
Part Number	M.H.
LTI-SASF66GT	25
Nickel plated parts (LTI-SASF66NT) available. Call for min order reqs.	



MOUNTING HOLE (M.H.): Page 174

Right Angle Surface Mount PCB Jack

Part Number	M.H.
LTI-SALF663GT	24
Nickel plated parts (LTI-SALF663N T) available. Call for min order reqs.	



MOUNTING HOLE (M.H.): Page 174

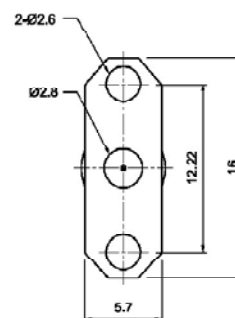
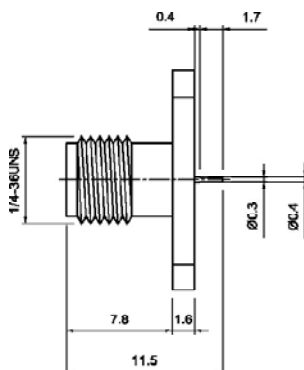
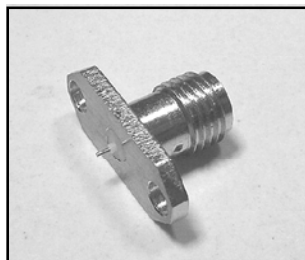


Lighthorse Technologies, Inc.

High Frequency Panel Mount/PCB Mount

SMA

2-Hole Panel Mount Jack with Solder Post Termination, 26.5 GHz

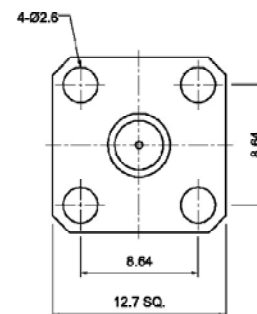
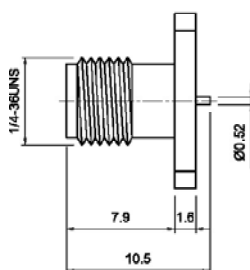
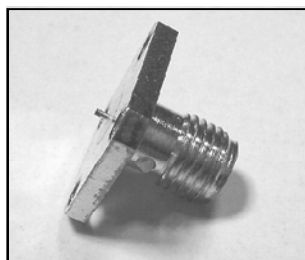


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF92NFGT-P2	LTI-SASF92NFST-P2	36

Nickel plated brass parts (LTI-SASF92NFNT-P2) available.
Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

4-Hole Panel Mount Jack with Solder Post Termination, 26.5 GHz

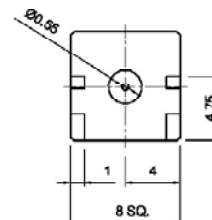
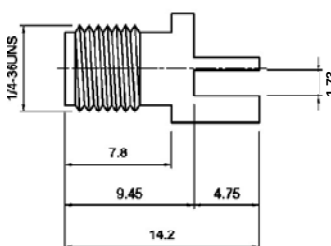
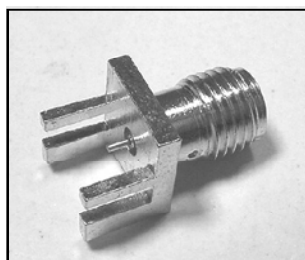


Part Number		M.H.
Brass	Stainless Steel	
LTI-SASF92SFGT-P2	LTI-SASF92SFST-P2	37

Nickel plated brass parts (LTI-SASF92SFNT-P2) available.
Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

End Launch PCB Jack, 26.5 GHz



Part Number		L.P.
Brass	Stainless Steel	
LTI-SASF55ZG-T-P2	LTI-SASF55ZST-P2	45

Nickel plated brass parts (LTI-SASF55ZNT-P2) available.
Call for min order reqs.

MOUNTING HOLE (M.H.): Page 175

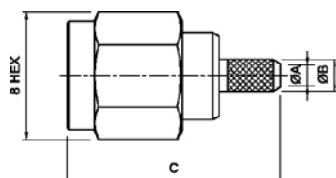


Straight Reverse Polarity Crimp Plug

Part Number	Cable Type	Dimension		
LTI-SASRM11GT-XXX	RG-316,174,188;Q1,D316	A: 1.6	B: 2.35	C: 15.6
LTI-SASRM11GT-XXX	RG-178,196	A: 1.0	B: 1.7	C: 15.6
LTI-SASRM11GT-XXX	RG-58,141,142,223,400	A: 3.1	B: 4.4	C: 18.45

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

Nickel plated parts (LTI-SASRM11NT-XXX) available. Call for min order reqs.



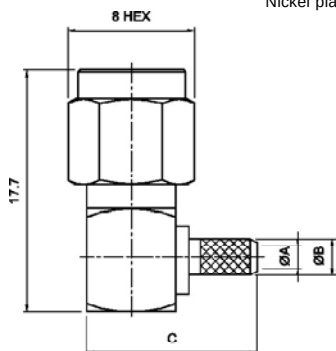
ASSEMBLY INST.: Page 176
Recommended Stripping DIMS:
Page 172, Line 7

Right Angle Reverse Polarity Crimp Plug

Part Number	Cable Type	Dimension		
LTI-SALRM11GT-XXX	RG-316,174,188;Q1,D316	A: 1.6	B: 2.35	C: 12.45
LTI-SALRM11GT-XXX	RG-178,196	A: 1.0	B: 1.7	C: 12.45
LTI-SALRM11GT-XXX	RG-58,141,142,223,400	A: 3.1	B: 4.4	C: 15.25

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

Nickel plated parts (LTI-SALRM11NT-XXX) available. Call for min order reqs.



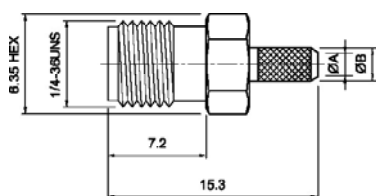
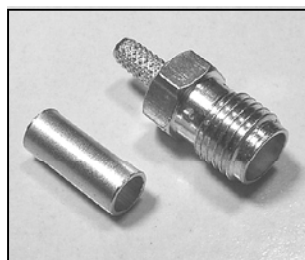
ASSEMBLY INST.: Page 177
Recommended Stripping DIMS:
Page 172, Line 8

Straight Reverse Polarity Crimp Jack

Part Number	Cable Type	Dimension		
LTI-SASRF11GT-XXX	RG-316,174,188;Q1,D316	A: 1.6	B: 2.35	C: 15.3
LTI-SASRF11GT-XXX	RG-178,196	A: 1.0	B: 1.7	C: 15.3
LTI-SASRF11GT-XXX	RG-58,141,142,223,400	A: 3.1	B: 4.4	C: 18.1

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

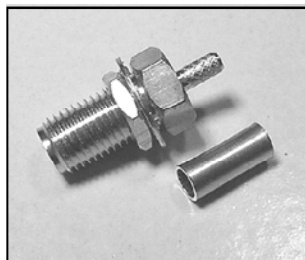
Nickel plated parts (LTI-SASRF11NT-XXX) available. Call for min order reqs.



ASSEMBLY INST.: Page 177
Recommended Stripping DIMS:
Page 172, Line 9

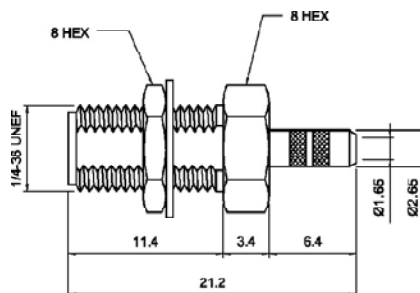


Straight Reverse Polarity Bulkhead Crimp Jack



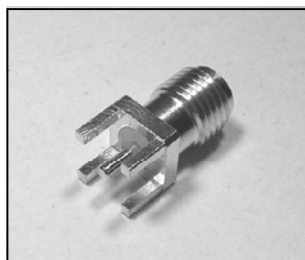
Part Number		Cable Type	M.H.	Dimension	
Brass	Stainless Steel				
LTI-SASRF13RGT-XXX	LTI-SASRF13RST-XXX	RG-316,174,188;Q1,D316	5	A: 1.6	B: 2.35
LTI-SASRF13RGT-XXX	LTI-SASRF13RST-XXX	RG-178,196	5	A: 1.0	B: 1.7

TO CREATE COMPLETE PART NUMBER: Fill in Cable Type where XXX is. See Part Numbering Chart on page 3 for more info. Nickel plated parts (LTI-SASRF13RNT-XXX) available. Call for min order reqs.



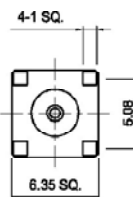
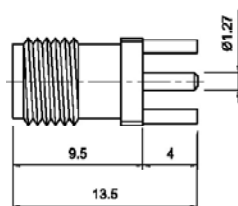
MOUNTING HOLE (M.H.): Page 174
ASSEMBLY INST.: Page 176
Recommended Stripping DIMs:
Page 172, Line 10

Vertical Reverse Polarity PCB Thru Hole Jack



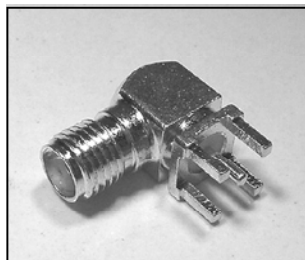
Part Number	M.H.
LTI-SASRF54GT	24

Nickel plated parts (LTI-SASRF54NT) available. Call for min order reqs.



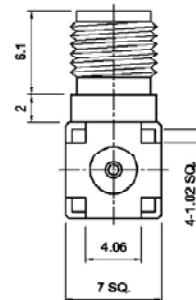
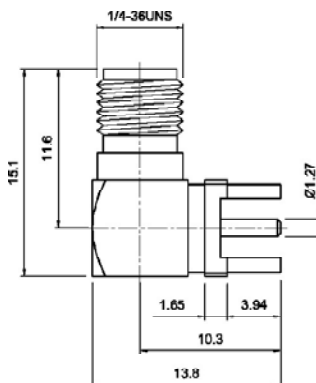
MOUNTING HOLE (M.H.): Page 174

Right Angle Reverse Polarity PCB Thru Hole Jack



Part Number	M.H.
LTI-SALRF54GT	24

Nickel plated parts (LTI-SALRF54NT) available. Call for min order reqs.



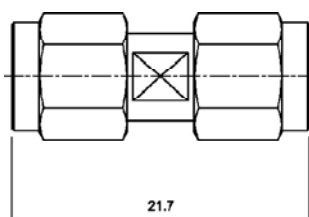
MOUNTING HOLE (M.H.): Page 174



Straight Plug to Plug Adapter

Part Number		Frequency
Brass	LTI-A2SASMMGT	Up to 12.4 GHz
Stainless Steel	LTI-A2SASMMST	Up to 18 GHz

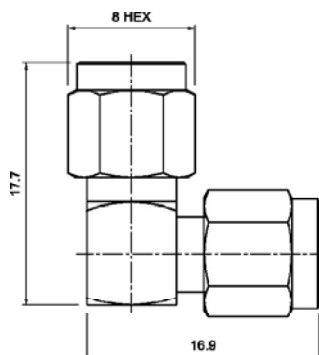
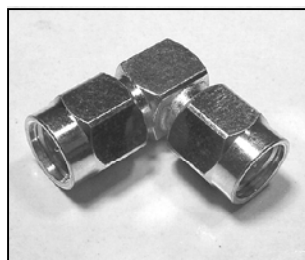
Nickel plated parts (LTI-A2SASMMNT) available. Call for min order reqs.



Right Angle Plug to Plug Adapter

Part Number	Frequency
LTI-A2SALMMGT	Up to 12.4 GHz

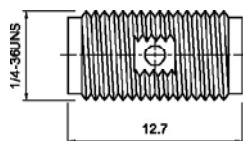
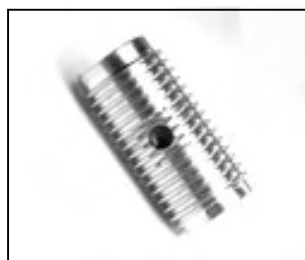
Nickel plated parts (LTI-A2SALMMNT) available. Call for min order reqs.



Straight Jack to Jack Adapter

Part Number		Frequency
Brass	LTI-A2SASFFGT	Up to 12.4 GHz
Stainless Steel	LTI-A2SASFFST	Up to 18 GHz

Nickel plated parts (LTI-A2SASFFNT) available. Call for min order reqs.





Lighthorse Technologies, Inc.

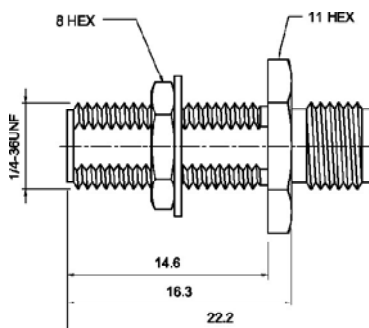
In Series Adapters

SMA

Straight Bulkhead Jack to Jack Adapter

Part Number		M.H.	Frequency
Brass	LTI-A2SASFF3GT	5	Up to 12.4 GHz
Stainless Steel	LTI-A2SASFF3ST	5	Up to 18 GHz

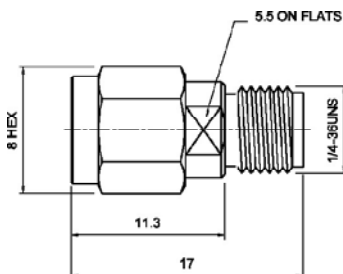
Nickel plated parts (LTI-A2SASFF3NT) available. Call for min order reqs.



Straight Jack to Plug Adapter

Part Number		Frequency
Brass	LTI-A2SASF MGT	Up to 12.4 GHz
Stainless Steel	LTI-A2SASF MST	Up to 18 GHz

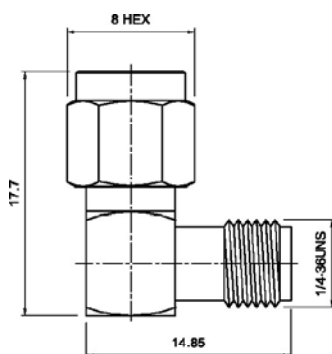
Nickel plated parts (LTI-A2SASF MNT) available. Call for min order reqs.



Right Angle Jack to Plug Adapter

Part Number	Frequency
LTI-A2SALFMGT	Up to 12.4 GHz

Nickel plated parts (LTI-A2SALFMNT) available. Call for min order reqs.

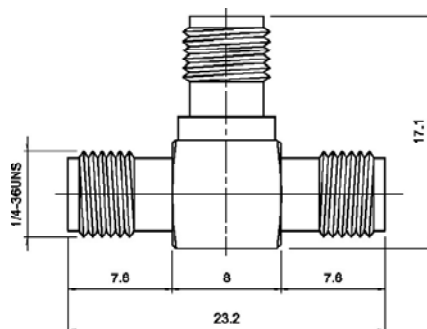




T Adapter, Jack to Jack to Jack

Part Number	Frequency
LTI-A3SATFFFGT	Up to 12.4 GHz

Nickel plated parts (LTI-A3SATFFCNT) available. Call for min order reqs.



T Adapter, Jack to Plug to Jack

Part Number	Frequency
LTI-A3SATFMFGT	Up to 12.4 GHz

Nickel plated parts (LTI-A3SATFMFNT) available. Call for min order reqs.

