## F 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.*

F series connectors are the least expensive, general purpose connectors with non-constant impedance for use at 500 volts or less, and for use with low frequencies to 500Mhz. These coaxial connectors are widely used in cable TV, MATV, CCTV and related consumer television products. They are available in a limited selection to fit various cable sizes.

## ELECTRICAL RATINGS

| | |
|---|---|
| **Impedance** | 50 ohm |
| **Frequency Range** | 0-1 GHz |
| **VSWR** | 1.5 max |
| **Voltage Rating** (in VRMS at sea level) | 500 max |
| **Dielectric Withstanding Voltage** (in VRMS at sea level) | 2500 min |
| **Insulation Resistance** | 5000 MΩ min |
| **Contact Resistance** | 3.0 mΩ max |
| **RF Leakage** | -100 dB min @ 1 GHz |

## MECHANICAL RATINGS

| | |
|---|---|
| **Mating** | 3/8-24 UNEF threaded coupling |
| **Durability** | 500 matings |
| **Cable Retention** | 40 lbs. min |
| **Temperature Range** | -40?C to + 65?C |

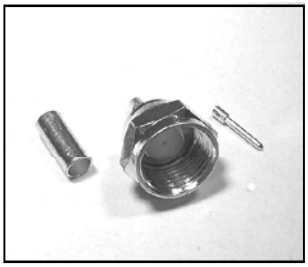
## MATERIALS

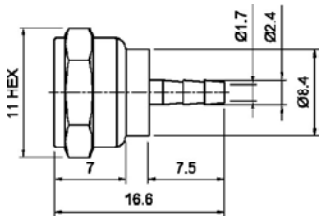
| | | *Material* | *Plating* |
|---|---|---|---|
| **Connector Body** | | Brass per QQ-B-626 | Nickel, Bright Acid Tin |
| **Center Contact** | *Male* | Brass per QQ-B-626 | Nickel, Tin |
| | *Female* | Brass per QQ-B-626, or Beryllium Copper per QQ-C-530 | Nickel, Tin |
| **Insulator** | | Teflon, Polypropylene | None |
| **Crimp Ferrule** | | Annealed Copper per WW-T-799 | Same as body |

## Straight 3-Piece Crimp Plug

| Part Number | Cable Type |
|---|---|
| LTI-FSM11NT-179 | RG-179 (75 ohm) |

Bright Acid Tin plated parts (LTI- FSM11NBTT-179) available. Call for min order reqs.
See Part Numbering Chart on page 3 for more info.






ASSEMBLY INST.: Page 176
Recommended Stripping DIMs:
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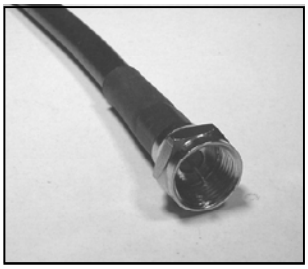
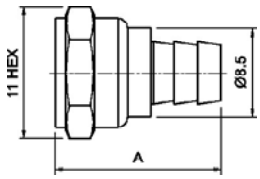
## Straight 2-Piece Crimp Plug

| Part Number | Cable Type |
|---|---|
| LTI-FSM11NT-59 | RG-59 (75 ohm) |

Bright Acid Tin plated parts (LTI- FSM11NBTT-59) available. Call for min order reqs.
See Part Numbering Chart on page 3 for more info.






ASSEMBLY INST.: Page 176
Recommended Stripping DIMs:
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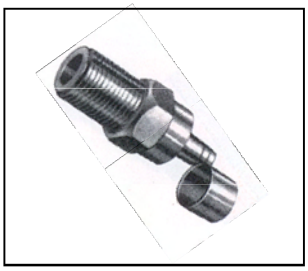
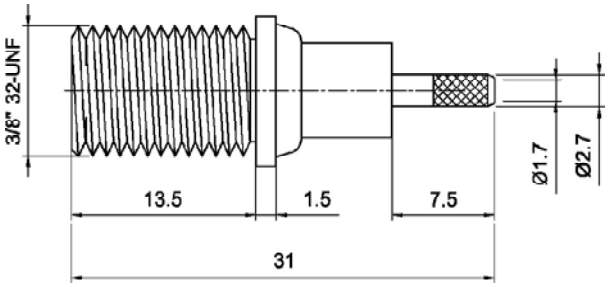
## Straight Crimp Jack

| Part Number | Cable Type |
|---|---|
| LTI-FSF11NT-179 | RG-179 (75 ohm) |

Bright Acid Tin plated parts (LTI- FSF11NBTT-179) available. Call for min order reqs.
See Part Numbering Chart on page 3 for more info.






ASSEMBLY INST.: Page 176
Recommended Stripping DIMs:
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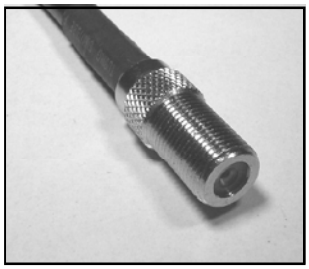
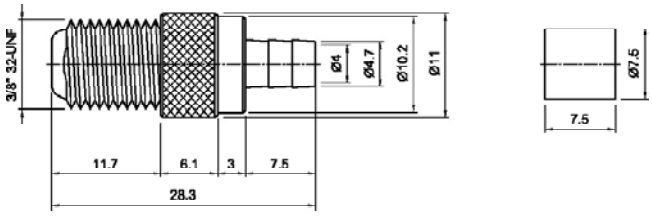
## Straight Crimp Jack

| Part Number | Cable Type |
|---|---|
| LTI-FSF11NP-59 | RG-59 (75 ohm) |

Bright Acid Tin plated parts (LTI- FSF11NBTP-59) available. Call for min order reqs.
See Part Numbering Chart on page 3 for more info.



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Recommended Stripping DIMs:
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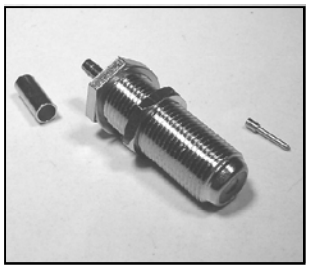
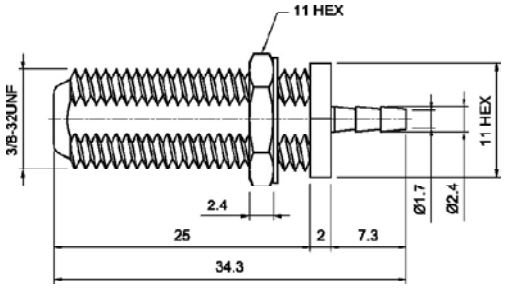
## Bulkhead Crimp Jack

| Part Number | Cable Type | M.H. |
|---|---|---|
| LTI-FSF13RNP-179 | RG-179 | 8 |

Bright Acid Tin plated parts (LTI- FSF13RBTP-179) available.
Call for min order reqs.
See Part Numbering Chart on page 3 for more info.






ASSEMBLY INST.: Page 176
Recommended Stripping DIMs:
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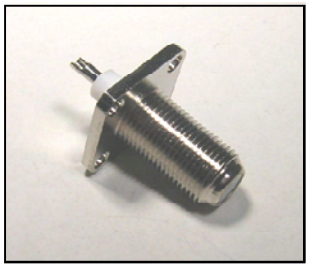
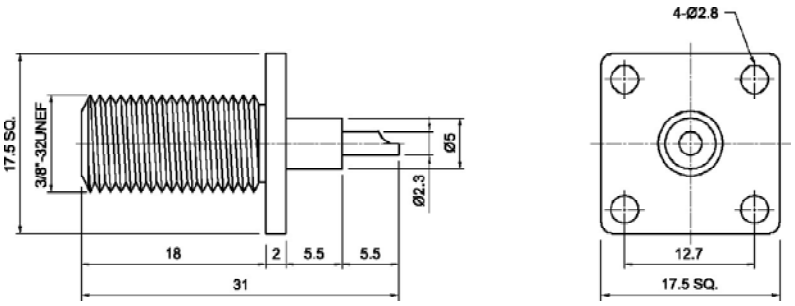
## Panel Mount Jack with Solder Cup Termination

| Part Number |
|---|
| LTI-FSF42SFNT |

Bright Acid Tin plated parts (LTI- FSF42SFBTT) available.
Call for min order reqs.

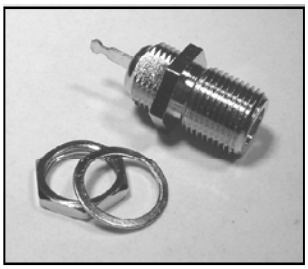


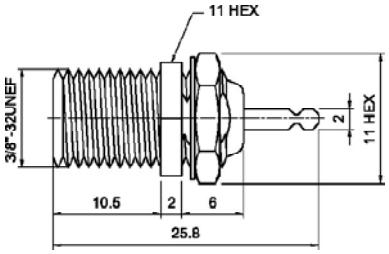


## Front Mount Bulkhead Jack with Tab Terminal

| Part Number | M.H. |
|---|---|
| LTI-FSF73NP | 7 |

Bright Acid Tin plated parts (LTI- FSF73BTP) available. Call for min order reqs.



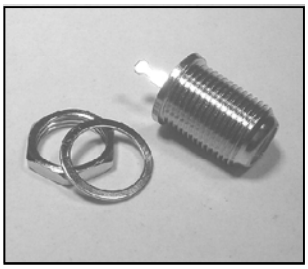


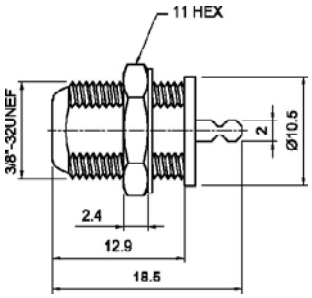

MOUNTING HOLE (M.H.): Page 174

## Rear Mount Bulkhead Jack with Tab Terminal

| Part Number | M.H. |
|---|---|
| LTI-FSF73RNP | 8 |

Bright Acid Tin plated parts (LTI- FSF73RBTP) available. Call for min order reqs.



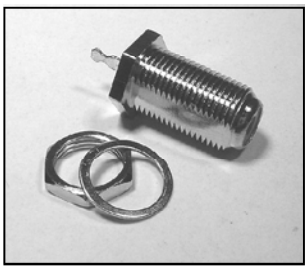


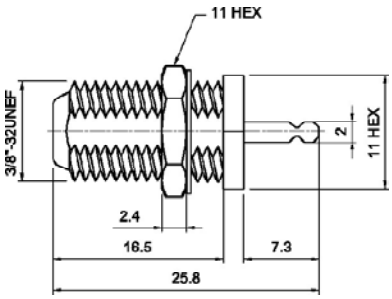

MOUNTING HOLE (M.H.): Page 174

## Rear Mount Bulkhead Jack with Tab Terminal, Long Version

| Part Number | M.H. |
|---|---|
| LTI-FSF73RLNP | 7 |

Bright Acid Tin plated parts (LTI- FSF73RLBTP) available. Call for min order reqs.



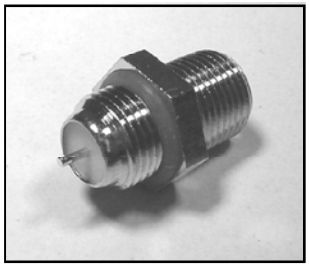


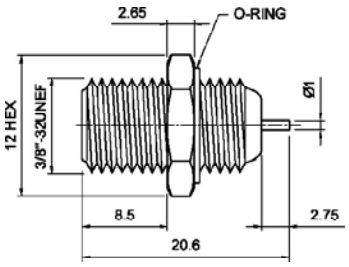

MOUNTING HOLE (M.H.): Page 174

## Straight Bulkhead Jack with Solder Post and O-ring

| Part Number |
|---|
| LTI-FSF93oNP |

Bright Acid Tin plated parts (LTI- FSF93oBTP) available. Call for min order reqs.

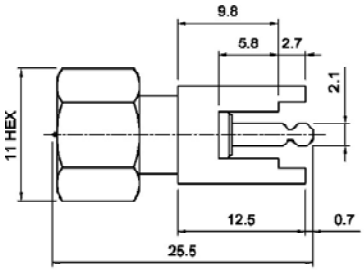


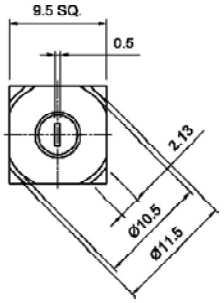



## Vertical PCB Thru Hole Plug

| Part Number | M.H. |
|---|---|
| LTI-FSM54NT | 28 |

Bright Acid Tin plated parts (LTI- FSF54BTT) available. Call for min order reqs.



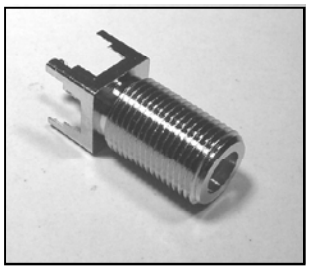



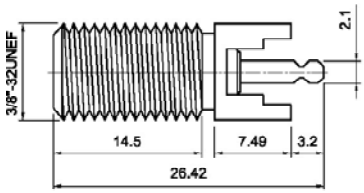

MOUNTING HOLE (M.H.): Page 174

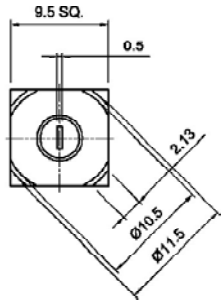
## Vertical PCB Thru Hole Jack

| Part Number | M.H. |
|---|---|
| LTI-FSF54NP | 28 |

Bright Acid Tin plated parts (LTI- FSF54BTP) available. Call for min order reqs.





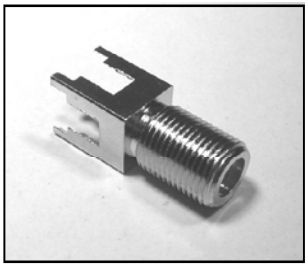



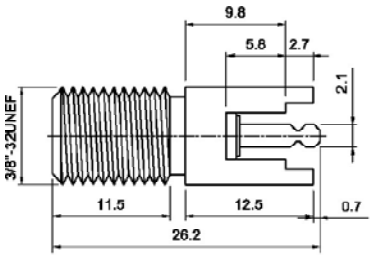

MOUNTING HOLE (M.H.): Page 174

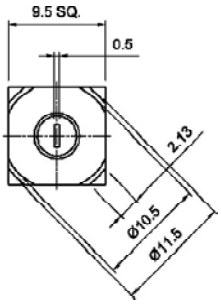
## Vertical PCB Thru Hole Jack, Long Legs

| Part Number | M.H. |
|---|---|
| LTI-FSF54LNP | 28 |

Bright Acid Tin plated parts (LTI- FSF54LBTP) available. Call for min order reqs.





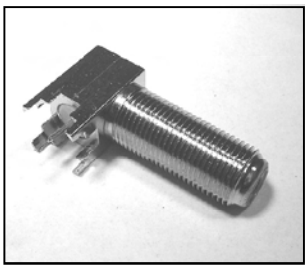



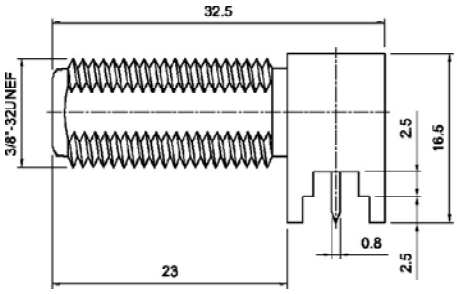

MOUNTING HOLE (M.H.): Page 174

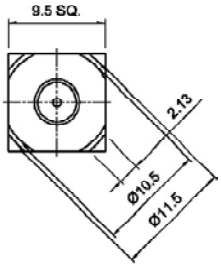
## Right Angle PCB Thru Hole Jack, Long Version

| Part Number | M.H. |
|---|---|
| LTI-FLF54LNP | 28 |

Bright Acid Tin plated parts (LTI- FLF54LBTP) available. Call for min order reqs.





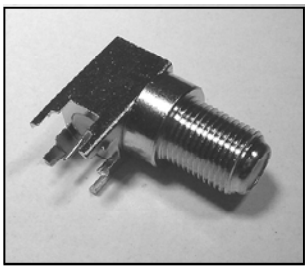



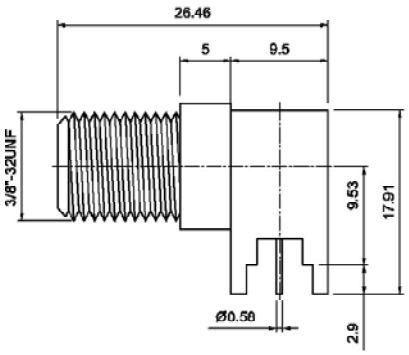

MOUNTING HOLE (M.H.): Page 174

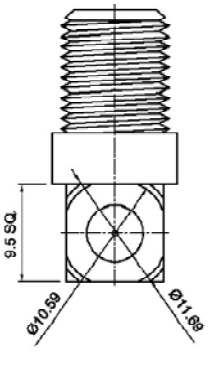
## Right Angle PCB Thru Hole Jack

| Part Number | M.H. |
|---|---|
| LTI-FLF54NP | 28 |

Bright Acid Tin plated parts (LTI- FLF54BTP) available. Call for min order reqs.





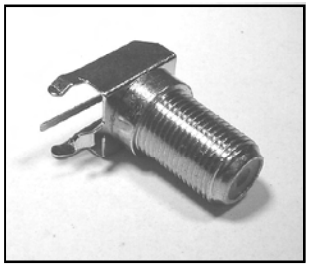



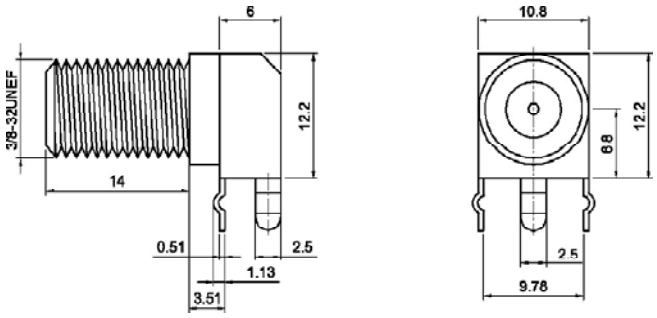

MOUNTING HOLE (M.H.): Page 174

## Right Angle PCB Thru Hole Jack, 3 Legs

| Part Number | M.H. |
|---|---|
| LTI-FLF54NP-3L | 31 |

Bright Acid Tin plated parts
(LTI- FLF54BTP-3L) available.
Call for min order reqs.



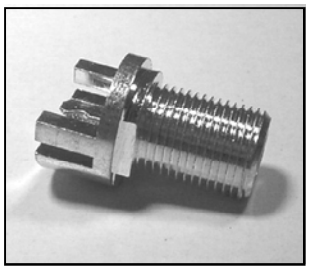


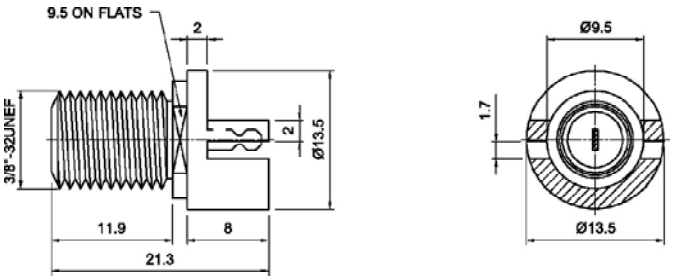

MOUNTING HOLE (M.H.): Page 175

## Straight End Launch Jack

| Part Number | M.H. |
|---|---|
| LTI-FSF55NP | 7 |

Bright Acid Tin plated parts
(LTI- FSF55BTP) available.
Call for min order reqs.



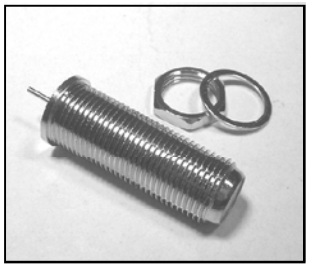


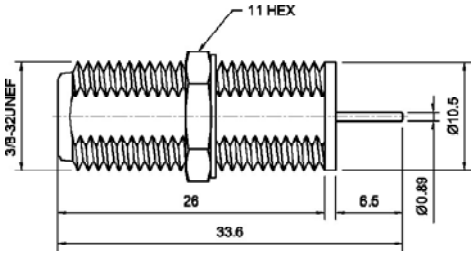

MOUNTING HOLE (M.H.): Page 174

## Precision Rear Mount Bulkhead Jack

| Part Number | M.H. |
|---|---|
| LTI-FSF93RNT-P | 8 |

Bright Acid Tin plated parts
(LTI- FSF93RBTT-P) available.
Call for min order reqs.



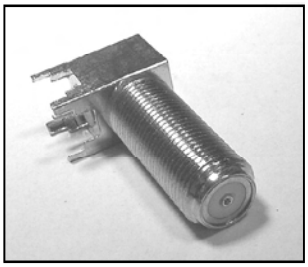


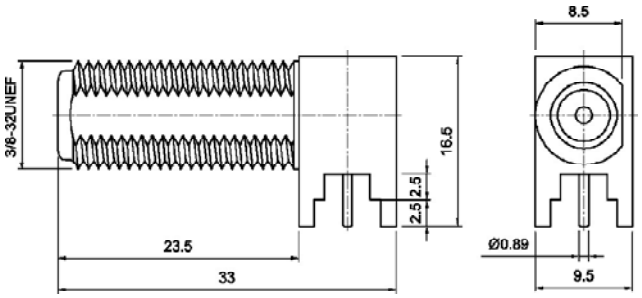

MOUNTING HOLE (M.H.): Page 174

## Precision Right Angle PCB Jack

| Part Number | M.H. |
|---|---|
| LTI-FLF54LNT-P | 28 |

Bright Acid Tin plated parts
(LTI- FLF54LBTT-P) available.
Call for min order reqs.



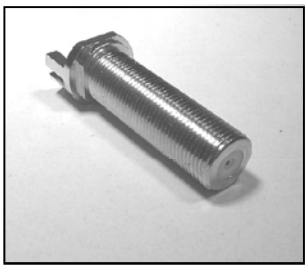


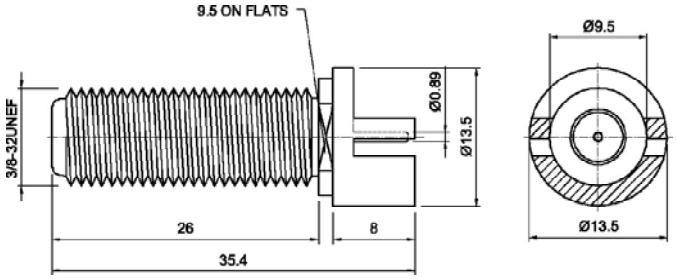

MOUNTING HOLE (M.H.): Page 174

## Precision End Launch PCB Jack

| Part Number | M.H. |
|---|---|
| LTI-FSF55NT-P | 7 |

Bright Acid Tin plated parts
(LTI- FSF55BTT-P) available.
Call for min order reqs.



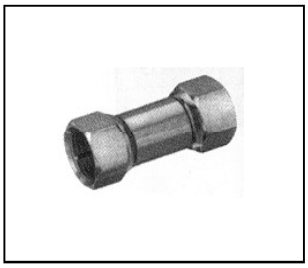


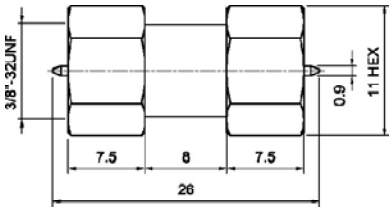

MOUNTING HOLE (M.H.): Page 174

## Straight Plug to Plug Adapter

| Part Number |
|---|
| LTI-A2FSMMNP |

Bright Acid Tin plated parts
(LTI- A2FSMMBTP) available.
Call for min order reqs.

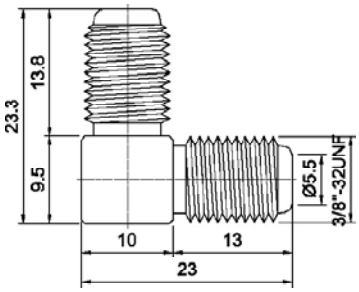




## Right Angle Jack to Jack Adapter

| Part Number |
|---|
| LTI-A2FLFFNP |

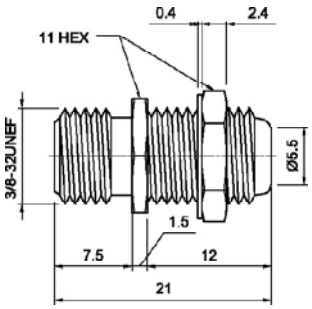
Bright Acid Tin plated parts (LTI- A2FLFFBTP) available. Call for min order reqs.




## Straight Jack to Jack Bulkhead Adapter

| Part Number | M.H. |
|---|---|
| LTI-A2FSFF3NP | 7 |

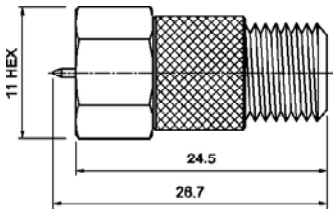
Bright Acid Tin plated parts (LTI- A2FSFF3BTP) available. Call for min order reqs.




## Straight Jack to Plug Adapter

| Part Number |
|---|
| LTI-A2FSFMNP |

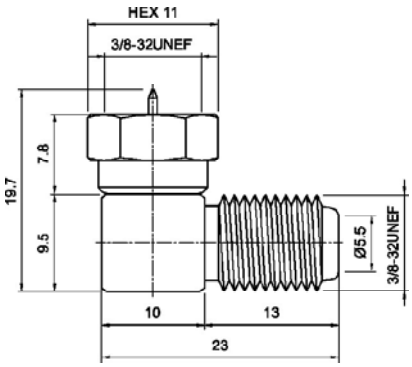
Bright Acid Tin plated parts (LTI- A2FSFMBTP) available. Call for min order reqs.



## Right Angle Jack to Plug Adapter

| Part Number |
|---|
| LTI-A2FLFMNP |

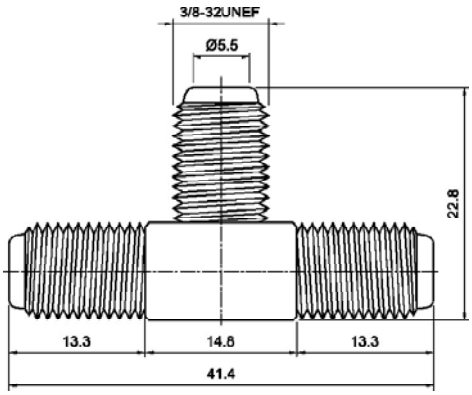
Bright Acid Tin plated parts (LTI- A2FLFMBTP) available. Call for min order reqs.



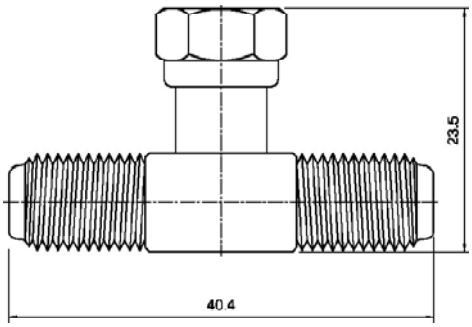

## T Adapter, Jack to Jack to Jack

| Part Number |
|---|
| LTI-A3FTFFFNP |

Bright Acid Tin plated parts (LTI- A3FTFFFBTP) available. Call for min order reqs.




## T Adapter, Jack to Plug to Jack

| Part Number |
|---|
| LTI-A3FTFMFNP |

Bright Acid Tin plated parts (LTI- A3FTFMFBTP) available. Call for min order reqs.