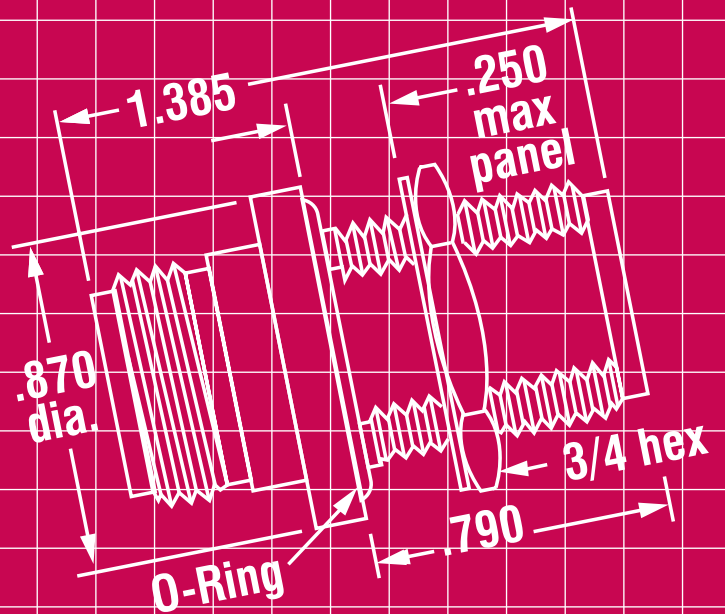
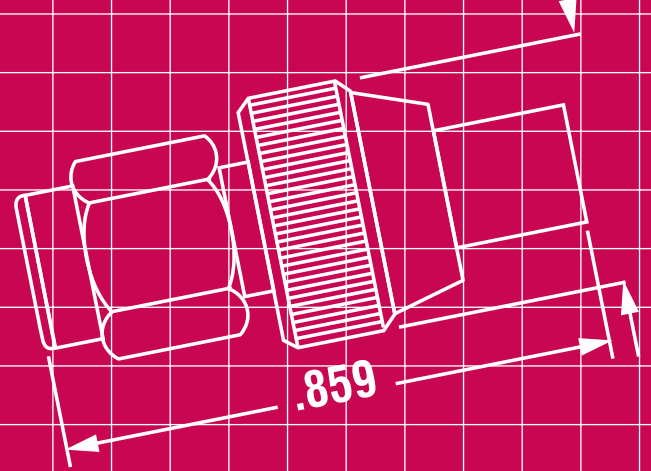
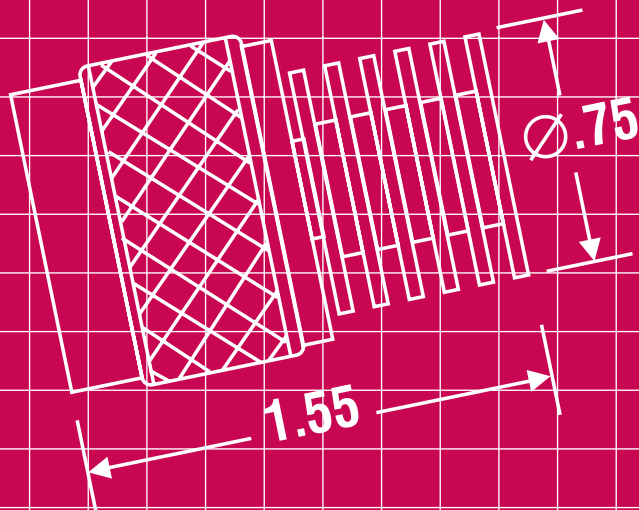
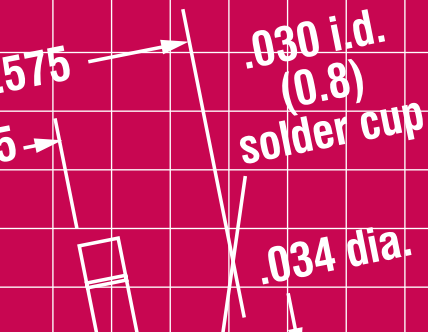




# SMA SECTION

## COAXIAL COMPONENTS CORP.

### POST-MILLENNIUM EDITION



### SMA Series Connectors

|                                  |       |
|----------------------------------|-------|
| Specifications .....             | 3-6   |
| For Semi-Rigid Cable .....       | 4-6   |
| For Flexible Cable .....         | 6-9   |
| Flange & Knurl Mount Recep ..... | 9-17  |
| P.C. Board Receptacles .....     | 18    |
| Field Replaceable/Hermetic Seal  |       |
| Launchers & Pins .....           | 19-20 |
| Dust Caps .....                  | 74    |
| Adapters, Intra Series .....     | 21    |

### SSMA Series Connectors

|                                |       |
|--------------------------------|-------|
| Specifications .....           | 22    |
| For Semi-Rigid Cable .....     | 23-24 |
| For Flexible Cable .....       | 24-25 |
| Flange Mount Receptacles ..... | 25-27 |
| Stripline Receptacles .....    | 26    |
| P.C. Board Receptacles .....   | 27    |
| Adapters, Intra Series .....   | 27    |

### MCX and MMCX Series Connectors

|                              |        |
|------------------------------|--------|
| Specifications .....         | 28     |
| For Semi-Rigid Cable .....   | 29-31  |
| For Flexible Cable .....     | 29-31  |
| P.C. Board Receptacles ..... | 29, 31 |
| Adapters, Intra Series ..... | 30-31  |

### SMB Series Connectors

|                                 |       |
|---------------------------------|-------|
| Specifications .....            | 32    |
| For Cable .....                 | 36    |
| Receptacles and Stripline ..... | 36-37 |
| P.C. Board Receptacles .....    | 37    |
| Cable Terminations .....        | 38    |
| Adapters, Intra Series .....    | 38    |

### SMC Series Connectors

|                                 |       |
|---------------------------------|-------|
| Specifications .....            | 32    |
| For Cable .....                 | 33    |
| Receptacles and Stripline ..... | 33-34 |
| Cable Terminations .....        | 35    |
| Adapters, Intra Series .....    | 35    |

### CMS (Slide-On) Series Connectors

|                              |       |
|------------------------------|-------|
| Specifications .....         | 32    |
| For Cable .....              | 39    |
| Receptacles .....            | 39-40 |
| P.C. Board Receptacles ..... | 39-40 |
| Adapters, Intra Series ..... | 40    |

### 75 Ohm Snap On and Screw On Series

|                              |       |
|------------------------------|-------|
| Specifications .....         | 50    |
| For Cable .....              | 51-52 |
| Resistive Terminations ..... | 51-52 |
| Adapters, Intra Series ..... | 51-52 |

### SSMB, SSMC AND SCMS (Slide-On) Series

|                              |               |
|------------------------------|---------------|
| Specifications .....         | 41            |
| For Cable .....              | 42, 44-47     |
| Bulkhead Mount Recep .....   | 42-43, 45, 47 |
| P.C. Board Receptacles ..... | 43-49         |
| Adapters, Intra Series ..... | 44, 49        |

### BNC Series Connectors

|                                |       |
|--------------------------------|-------|
| Specifications .....           | 53    |
| For Cable .....                | 54-56 |
| Flange Mount Receptacles ..... | 56    |
| Dust Caps .....                | 58    |
| Adapters, Intra Series .....   | 57-58 |

### N Series Connectors

|                              |       |
|------------------------------|-------|
| Specifications .....         | 59    |
| For Cable .....              | 60-61 |
| Receptacles .....            | 60    |
| Dust Caps .....              | 74    |
| Adapters, Intra Series ..... | 61    |

### TNC Series

|                              |                 |
|------------------------------|-----------------|
| Specifications .....         | 62              |
| For Cable .....              | 63-64           |
| Receptacles .....            | 64              |
| Dust Caps .....              | Contact Factory |
| Adapters, Intra Series ..... | 64              |

### 7/16 DIN Series Connectors

|                              |       |
|------------------------------|-------|
| Specifications .....         | 65    |
| For Cable .....              | 65-66 |
| Receptacles .....            | 66    |
| Dust Caps .....              | 66    |
| Adapters, Intra Series ..... | 66    |

### HN Series .....

Contact Factory

### TWIN Series .....

Contact Factory

### F Series .....

Contact Factory

### C Series .....

Contact Factory

### SC Series .....

Contact Factory

### LC Series .....

Contact Factory

### UHF and Mini UHF .....

Contact Factory

### FME .....

Contact Factory

### Inter Series Adapters

|                                   |            |
|-----------------------------------|------------|
| Precision and Non-Precision ..... | 67-72      |
| 75 Ohm and 50 Ohm .....           | 70         |
| 874 Series .....                  | 69, 71     |
| 7 mm and 3.5 mm Series .....      | 67, 70, 72 |
| 2.4 mm and 2.9 mm .....           | 67         |

### Components

|                         |        |
|-------------------------|--------|
| Terminations .....      | 73     |
| Fixed Attenuators ..... | 73, 74 |
| Phase Adjusters .....   | 74     |
| D.C. Blocks .....       | 74     |
| Shorts .....            | 74     |

### Cable Assemblies

|                                 |    |
|---------------------------------|----|
| Semi-Rigid and Ultra-Flex ..... | 75 |
| High Performance .....          | 75 |

### Cross Reference (See Note)

|                                   |        |
|-----------------------------------|--------|
| To AEP .....                      | 76     |
| To Amphenol .....                 | 81     |
| To CDI .....                      | 90     |
| To Huber + Suhner .....           | 91     |
| To Military .....                 | 79, 91 |
| To Omni-Spectra/Ma-Com/Tyco ..... | 83     |
| To ITT/Sealectro .....            | 86     |
| To Pasternack .....               | 80     |
| To Solitron (SV Microwave) .....  | 88     |

**Cross Reference Information:** Obviously, it is impossible to cross all the parts of any given manufacturer. Both our competitors and Coaxicom are constantly adding new parts, and updating the design of existing ones. We strongly encourage customers to contact us for parts not listed. We update our designs on a regular basis, add new ones, and occasionally change part numbers. Because of this, when you have crossed a competitor's part to a Coaxicom equivalent, please let us know both part numbers. This will help minimize misunderstandings and errors.

**Reverse Thread and Reverse Polarity:** Many Coaxicom connectors and adapters are available in reverse polarity (RP) and reverse thread (RT) configurations identified by adding the suffix "RP" or "RT" to the basic part number. For example, a reverse polarity 3089-1-7 SMA plug would be a 3089RP-1-7, while the reverse threaded version would be 3039R-1-7. They are also available in other series (Type N, TNC, and BNC). Consult factory for specific part number or type availability.

## CONDITIONS OF SALE

**ORDERING** Please insert the code for cable type and plating desired in the part number selected (Example: 8122-30-1 is a gold plated 8122 SMC connector for RG402 cable). Purchase orders may be issued to Coaxial Components Corp. or any of our authorized distributors.

**TERMS** NET 30 days from the date of invoice or payment with order. Shipment via UPS, F.O.B. our facility is standard. Other carriers may be selected by the customer.

**RETURNS** Returns must be factory authorized and are subject to inspection by Coaxicom. Claims must be made within thirty (30) days from the date of shipment. Unused excess catalog items may be returned for credit, subject to a restocking charge.

**WARRANTY** Parts are warranted to be free of defects under normal conditions for one year from date of purchase. During that time, we will repair or replace them at our option. We are not liable for consequential or incidental damage.

**SPECIFICATIONS** The information contained in this catalog is believed to be accurate. However, no responsibility is assumed for any errors. Specifications and dimensions are subject to modification without notice.

## SMA SPECIFICATIONS

**coaxicom**

COAXICOM SMA CONNECTORS are manufactured to have excellent performance up to 18 GHz. The pages that follow include types that are used on coaxial cable (flexible, Ultra-Flex and semi-rigid), as launchers into stripline or microstrip, or as receptacles or bulkhead, panel and printed circuit board mounting. Also included are hermetically sealed devices and intra (within) series adapters.

Gold plated stainless steel or passivated (stainless finish) versions are standard in order to meet the finish and corrosion requirements of MIL-PRF-39012. Passivated stainless steel is specified with a suffix of -9 (soldering areas are gold plated as necessary). A suffix of -1 indicates gold plating. Where nickel plating is available, the suffix is -7.

Interface dimensions as well as all other applicable requirements are in accordance with MIL-PRF-39012 and other military standards where the need exists.

### MILITARY SPECIFICATIONS

MIL-PRF-39012, MIL-A-55339, MIL-C-83517 and MIL-STD-348 as applicable.

### MATERIAL

|                                        |                                                                                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Bodies, Coupling nut (except as noted) | Non magnetic stainless steel per ASTM-A-582, type 303                                                        |
| Center Contacts                        | Beryllium Copper per ASTM-B-196, heat treated per MIL-H-7199. Gold plated per MIL-PRF-39012, IAW MIL-G-45204 |
| Plating                                | Gold plated or passivated to meet the corrosion requirements of MIL-PRF-39012                                |
| Insulators                             | TFE Fluorocarbon per ASTM-D-1457                                                                             |
| Weatherproof Gaskets                   | Silicone rubber per ZZ-R-765 class 2B, grade 65-75                                                           |
| Lockwashers                            | Stainless steel, internal tooth supplied with bulkhead mounted connectors                                    |
| Crimp Ferrules                         | Brass                                                                                                        |

### ELECTRICAL\*

|                                 |                                                                              |
|---------------------------------|------------------------------------------------------------------------------|
| Impedance                       | 50 Ω                                                                         |
| Frequency Range                 | DC-18 GHz                                                                    |
| Voltage Rating                  | 500 VRMS for specific types                                                  |
| Dielectric Withstanding Voltage | 1000 VRMS Per MIL-STD-202, method 301 for specific types                     |
| VSWR                            | 1.15 max where applicable                                                    |
| Contact Resistance              | Center: 2.0 milliohms<br>Body: 2.0 milliohms<br>Braid to body: 0.5 milliohms |
| Insulation Resistance           | 5,000 megohms (min.)                                                         |
| RF Leakage                      | -(100-fGHz) dB                                                               |
| Insertion Loss (-dB)            | .03xf (GHz) max.                                                             |

\* Characteristics are typical and may not apply to all connectors.

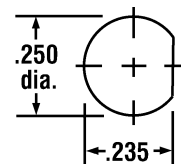
### MECHANICAL

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Engage/Disengage      | 2 inch-pounds max                                                 |
| Coupling Proof Torque | 15 inch-pounds max                                                |
| Cable Retention       | 60 pounds minimum. Bending and twisting requirements do not apply |
| Connector Durability  | 500 cycles of insertion and withdrawal                            |

### ENVIRONMENTAL

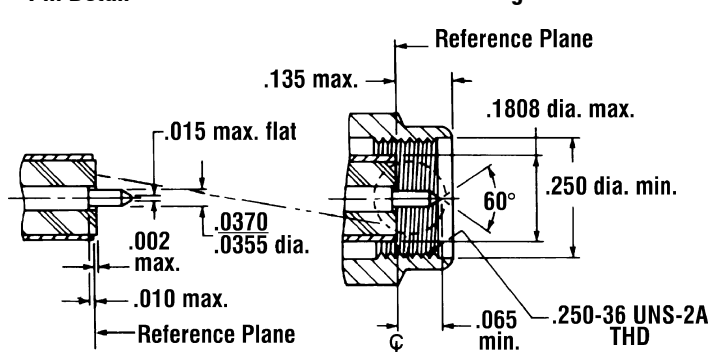
|                     |                                                                                  |
|---------------------|----------------------------------------------------------------------------------|
| Temperature         | -65° to +165° C<br>-85° to +299° F                                               |
| Hermetic Seals      | Helium Leakage test 10 <sup>-7</sup> cc/sec                                      |
| Shock               | MIL-STD-202, method 213, test condition I                                        |
| Vibration           | MIL-STD-202, method 204, test condition D                                        |
| Moisture Resistance | MIL-STD-202, method 106, (high humidity does not apply)                          |
| Corrosion           | MIL-STD-202, method 101, test condition B, 5% salt solution                      |
| Thermal Shock       | MIL-STD-202, method 107, test condition B, high temperature test @ 200°C         |
| Altitude            | MIL-STD-202, method 105, test condition C, at 375 VRMS, no corona at 70,000 feet |

### BULKHEAD MOUNTING SPECIFICATIONS: (UNLESS NOTED)



### SMA INTERFACE DIMENSIONS

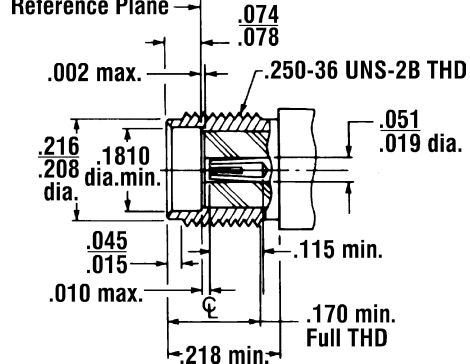
#### Pin Detail



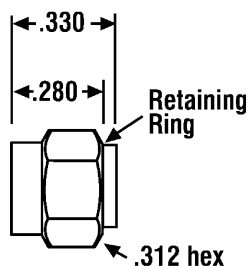
#### Plug

#### Reference Plane

#### Jack



### STRAIGHT PLUG

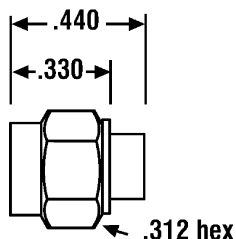


### FOR SEMI-RIGID OR ULTRA-FLEX CABLE

| MODEL | 3183-1-*                           | 3183-3-*                      | 3183P-3-*                                             | 3133-*                        | 3136-*                        |
|-------|------------------------------------|-------------------------------|-------------------------------------------------------|-------------------------------|-------------------------------|
| CABLE | RG402<br>M17/130<br>.141           | RG405<br>M17/133<br>.085      | Supplied<br>Pre-Assembled<br>RG405<br>M17/133<br>.085 | M17/151<br>.047               | M17/154<br>.034               |
| NOTES | use cable<br>for center<br>contact | center<br>contact<br>provided | center<br>contact<br>provided                         | center<br>contact<br>provided | center<br>contact<br>provided |

NOTES: solder to body, retractable coupling nut

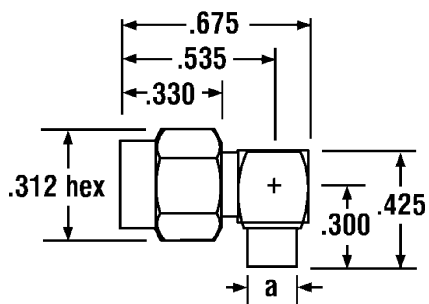
### STRAIGHT PLUG



### FOR SEMI-RIGID OR ULTRA-FLEX CABLE

| MODEL | 3207-1-*                                                      | 3201-1A-*                                                          | 3201-2A-*                                                     |
|-------|---------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------|
| CABLE | RG402, M17/130<br>.141                                        | RG402, M17/130<br>.141                                             | RG405, M17/133<br>.085                                        |
| NOTES | center contact<br>and insulator<br>provided<br>solder to body | use cable for<br>center contact<br>and insulator<br>solder to body | center contact<br>and insulator<br>provided<br>solder to body |

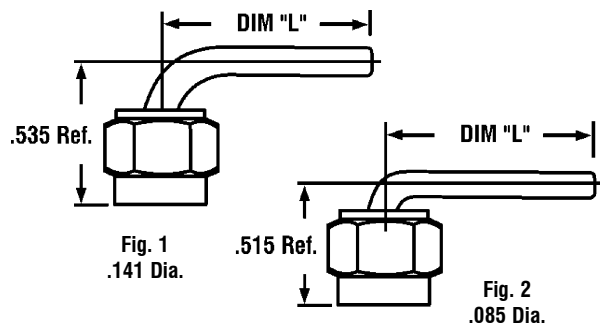
### RIGHT ANGLE PLUG



### FOR SEMI-RIGID OR ULTRA-FLEX CABLE

| MODEL     | 3221-1A-1                 | 3221-2A-1                 | 3221-3A-1       | 3221-5-*                  |
|-----------|---------------------------|---------------------------|-----------------|---------------------------|
| CABLE     | RG402,<br>M17/130<br>.141 | RG405,<br>M17/133<br>.085 | M17/151<br>.047 | RG401,<br>M17/129<br>.250 |
| a (min) = | .143                      | .088                      | .049            | .253                      |
| NOTES     | solder to body            | solder to body            | solder to body  | solder to body            |

### RIGHT ANGLE BEND CABLE ASSEMBLY



### FOR SEMI-RIGID CABLE

| MODEL | 3221-1-L                               | 3221-2-L                               |
|-------|----------------------------------------|----------------------------------------|
| CABLE | RG402, M17/130<br>.141                 | RG405, M17/133<br>.085                 |
| NOTES | FIG. 1 ▲<br>L = cable length in inches | FIG. 2 ▲<br>L = cable length in inches |

▲ Customer Specified

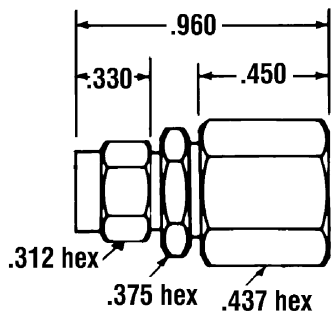
\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

# SMA COAXIAL CONNECTORS



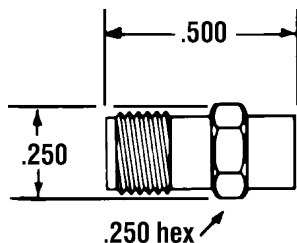
## STRAIGHT PLUG



## FOR SEMI-RIGID OR ULTRA-FLEX CABLE

| MODEL | 3933-1A-*                                    | 3933-2A-*              | 3201-5-*                                     |
|-------|----------------------------------------------|------------------------|----------------------------------------------|
| CABLE | RG402, M17/130<br>.141                       | RG405, M17/133<br>.085 | RG401, M17/129<br>.250                       |
| NOTES | drawing not shown<br>solder clamp attachment |                        | compression<br>clamp<br>per drawing<br>shown |

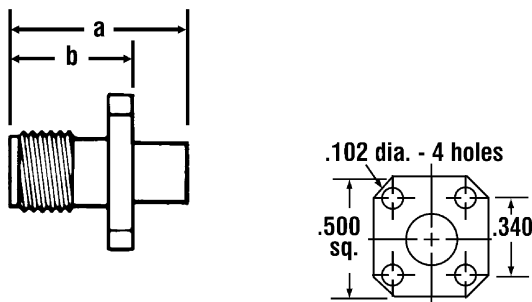
## STRAIGHT JACK



## FOR SEMI-RIGID OR ULTRA-FLEX CABLE

| MODEL | 3202-1A-1                 | 3202-2A-1                 | 3202-3A-1       | 3202-42C-1      | 3202-5-*                                                  |
|-------|---------------------------|---------------------------|-----------------|-----------------|-----------------------------------------------------------|
| CABLE | RG402,<br>M17/130<br>.141 | RG405,<br>M17/133<br>.085 | M17/151<br>.047 | M17/154<br>.034 | RG401,<br>M17/129<br>.250<br><i>drawing<br/>not shown</i> |
| NOTES | solder to body            |                           |                 |                 | compression<br>clamp                                      |

## FLANGE MOUNT JACK

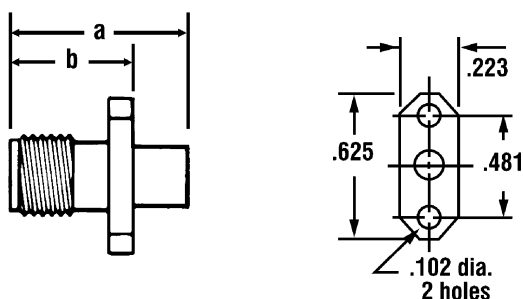


## FOR SEMI-RIGID OR ULTRA-FLEX CABLE

| MODEL | 3206-1-1                  | 3206S-1-1                 | 3206-2-1                  | 3206S-2-1                 | 3134-2-1 | 3134-*          |
|-------|---------------------------|---------------------------|---------------------------|---------------------------|----------|-----------------|
| CABLE | RG402,<br>M17/130<br>.141 | RG402,<br>M17/130<br>.141 | RG405,<br>M17/133<br>.085 | RG405,<br>M17/133<br>.085 | .070     | M17/151<br>.047 |
| a =   | .560                      | .55                       | .500                      | .55                       | .440     | .440            |
| b =   | .375                      | .375                      | .375                      | .375                      | .375     | .375            |
| NOTES | solder to body            |                           |                           |                           |          |                 |

"S" in part number indicates that the back of the flange has a raised shoulder (not shown).

## FLANGE MOUNT JACK



## FOR SEMI-RIGID OR ULTRA-FLEX CABLE

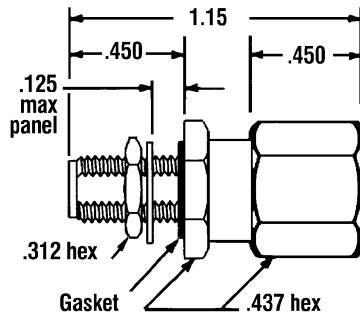
| MODEL | 3246-1-1                  | 3246S-1-1                 | 3246-2-1                  | 3246S-2-1                 | 3135-*          | 3135-42D-* |
|-------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------|------------|
| CABLE | RG402,<br>M17/130<br>.141 | RG402,<br>M17/130<br>.141 | RG405,<br>M17/133<br>.085 | RG405,<br>M17/133<br>.085 | M17/151<br>.047 | .070       |
| a =   | .560                      | .55                       | .500                      | .55                       | .440            | .440       |
| b =   | .375                      | .375                      | .375                      | .375                      | .375            | .375       |
| NOTES | solder to body            |                           |                           |                           |                 |            |

"S" in part number indicates that the back of the flange has a raised shoulder (not shown).

\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

### BULKHEAD JACK

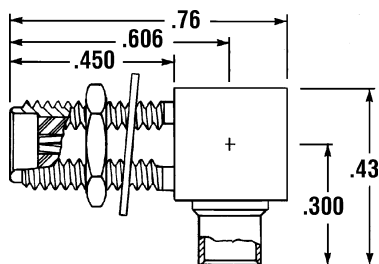


### FOR SEMI-RIGID OR ULTRA-FLEX CABLE

| MODEL | 3928-1A-*                                 | 3928-2A-*                                 | 3147-*              | 3147B-*              |
|-------|-------------------------------------------|-------------------------------------------|---------------------|----------------------|
| CABLE | RG402, M17/130 .141                       | RG405, M17/133 .085                       | RG401, M17/129 .250 | .325                 |
| NOTES | drawing not shown solder clamp attachment | drawing not shown solder clamp attachment | as shown            | clamp nut is .50 hex |
|       |                                           |                                           | compression clamp   |                      |

Connectors for 3 and 5 spline .250 diameter cable are available. Consult Coaxicom.

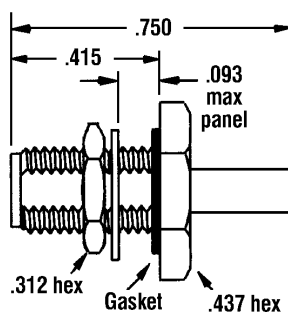
### RIGHT ANGLE BULKHEAD JACK



### FOR SEMI-RIGID OR ULTRA-FLEX CABLE

| MODEL | 3222-1A-*                | 3222-2A-*                | 3222-3A-*                |
|-------|--------------------------|--------------------------|--------------------------|
| CABLE | RG402, M17/130 .141      | RG405, M17/133 .085      | M17/151 .047             |
| NOTES | direct solder attachment | direct solder attachment | direct solder attachment |

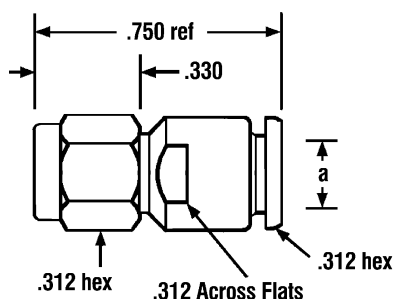
### BULKHEAD JACK



### FOR SEMI-RIGID OR ULTRA-FLEX CABLE

| MODEL | 3210-1-1            | 3210-2-1            | 3210-3-1       | 3210A-1-1                         | 3210A-2-1                         | 3210A-3-1                         |
|-------|---------------------|---------------------|----------------|-----------------------------------|-----------------------------------|-----------------------------------|
| CABLE | RG402, M17/130 .141 | RG405, M17/133 .085 | M17/151 .047   | RG402, M17/130 .141               | RG405, M17/133 .085               | M17/151 .047                      |
| NOTES | solder to body      | solder to body      | solder to body | .312 hex no gasket solder to body | .312 hex no gasket solder to body | .312 hex no gasket solder to body |

### STRAIGHT PLUG



### FOR FLEXIBLE CABLE

| MODEL | 3917-1-*                          | 3917-3-*                  | 3917-4-*    | 3917-5-*    | 3917-29-*      |
|-------|-----------------------------------|---------------------------|-------------|-------------|----------------|
| CABLE | RG55, 58, 141, 142, 223, 303, 400 | RG174, 179, 187, 188, 316 | RG180, 195  | RG178, 196  | RG188DS, 316DS |
| a =   | .220                              | .116                      | .160        | .080        | .116           |
| NOTES | wedge clamp                       | wedge clamp               | wedge clamp | wedge clamp | wedge clamp    |

\* -1 indicates gold plated stainless steel all over.

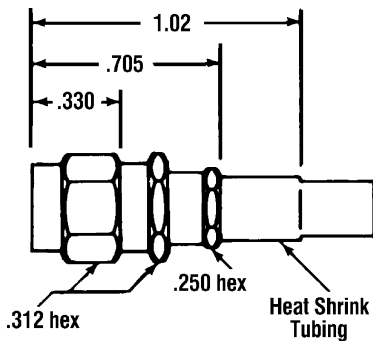
-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

SEE SPECIFICATION SHEET FOR MOUNTING HOLE SIZE.

# SMA COAXIAL CONNECTORS



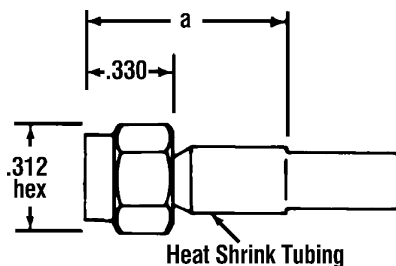
## STRAIGHT PLUG



## FOR FLEXIBLE CABLE

| MODEL | 3601-1-*            | 3601-2-*       | 3601-3-*                  | 3601-4-*     | 3601-5-*    |
|-------|---------------------|----------------|---------------------------|--------------|-------------|
| CABLE | RG55, 142, 223, 400 | RG58, 141, 303 | RG174, 179, 187, 188, 316 | RG180/U, 195 | RG178, 196  |
| NOTES | crimp/clamp         | crimp/clamp    | crimp/clamp               | crimp/clamp  | crimp/clamp |

## STRAIGHT PLUG

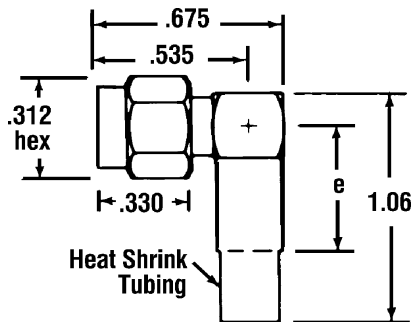


## FOR FLEXIBLE CABLE

| MODEL | 3089-1-*            | 3089-2-*       | 3089-3-*                  | 3089-4-*   | 3089-5-*   | 3089-28-* | 3089-29-*             |
|-------|---------------------|----------------|---------------------------|------------|------------|-----------|-----------------------|
| CABLE | RG55, 142, 223, 400 | RG58, 141, 303 | RG174, 179, 187, 188, 316 | RG180, 195 | RG178, 196 | RG59, 62  | RG174DS, 188DS, 316DS |
| a =   | .810                | .810           | .690                      | .690       | .690       | .690      | .690                  |
| NOTES | crimp or solder     |                |                           |            |            |           |                       |

NOTE: For crimp version (passivated only) add suffix "C"

## RIGHT ANGLE PLUG

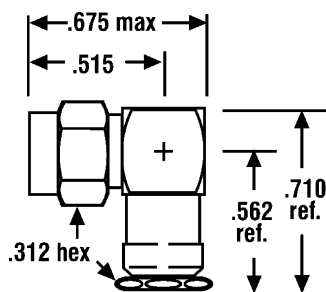


## FOR FLEXIBLE CABLE

| MODEL | 3090-1-*            | 3090-2-*        | 3090-3-*                  | 3090-4-*        | 3090-5-*        | 3090-29-*             |
|-------|---------------------|-----------------|---------------------------|-----------------|-----------------|-----------------------|
| CABLE | RG55, 142, 223, 400 | RG58, 141, 303  | RG174, 179, 187, 188, 316 | RG180, 195      | RG178, 196      | RG174DS, 188DS, 316DS |
| e =   | .605                | .605            | .440                      | .440            | .440            | .475                  |
| NOTES | crimp or solder     | crimp or solder | crimp or solder           | crimp or solder | crimp or solder | crimp or solder       |

NOTE: For crimp version (passivated only) add suffix "C"

## RIGHT ANGLE PLUG



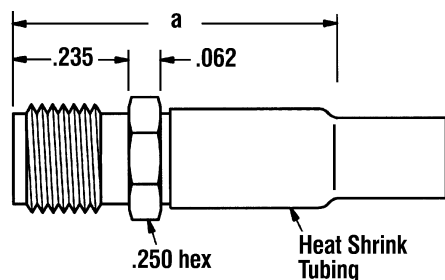
## FOR FLEXIBLE CABLE

| MODEL | 3911A-1-*                         | 3911A-3-*                 | 3911A-4-*  | 3911-9         |
|-------|-----------------------------------|---------------------------|------------|----------------|
| CABLE | RG55, 58, 141, 142, 223, 303, 400 | RG174, 179, 187, 188, 316 | RG180, 195 | RG188DS, 316DS |
| NOTES | clamp type                        | clamp type                | clamp type | clamp type     |

\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

### STRAIGHT JACK

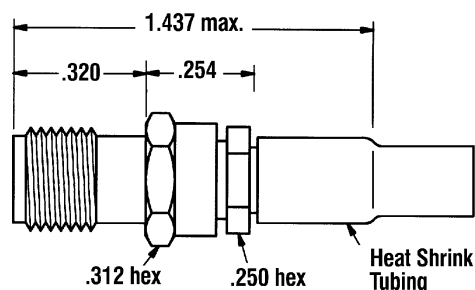


### FOR FLEXIBLE CABLE

| MODEL | 3091-1-*            | 3091-2-*        | 3091-3-*                  | 3091-4-*        | 3091-5-*        |
|-------|---------------------|-----------------|---------------------------|-----------------|-----------------|
| CABLE | RG55, 142, 223, 400 | RG58, 141, 303  | RG174, 179, 187, 188, 316 | RG180, 195      | RG178, 196      |
| a =   | .830                | .830            | .700                      | .800            | .800            |
| NOTES | crimp or solder     | crimp or solder | crimp or solder           | crimp or solder | crimp or solder |

NOTE: For crimp version (passivated only) add suffix "C"

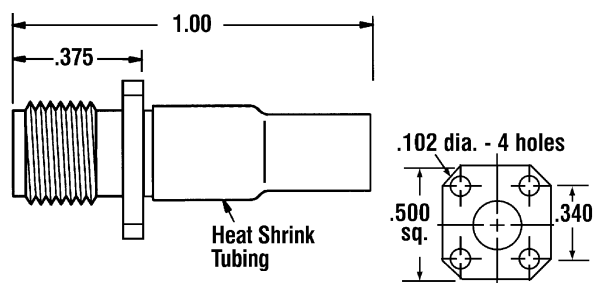
### STRAIGHT JACK



### FOR FLEXIBLE CABLE

| MODEL | 3602-1-*            | 3602-2-*       | 3602-3-*                  | 3602-4-*    | 3602-5-*    |
|-------|---------------------|----------------|---------------------------|-------------|-------------|
| CABLE | RG55, 142, 223, 400 | RG58, 141, 303 | RG174, 179, 187, 188, 316 | RG180, 195  | RG178, 196  |
| NOTES | crimp/clamp         | crimp/clamp    | crimp/clamp               | crimp/clamp | crimp/clamp |

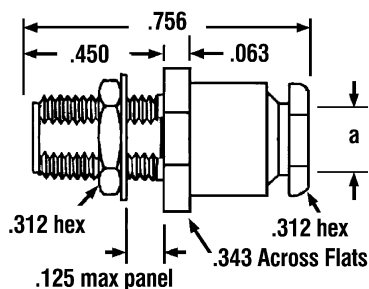
### FLANGE MOUNT JACK



### FOR FLEXIBLE CABLE

| MODEL  | 3146-1-1            | 3146-2-1        | 3146-3-1                  |
|--------|---------------------|-----------------|---------------------------|
| FLANGE | 4 hole              | 4 hole          | 4 hole                    |
| CABLE  | RG55, 142, 223, 400 | RG58, 141, 303  | RG174, 179, 187, 188, 316 |
| NOTES  | crimp or solder     | crimp or solder | crimp or solder           |

### BULKHEAD JACK



### FOR FLEXIBLE CABLE

| MODEL | 3905-1-*            | 3905-2-*       | 3905-3-*                  | 3905-4-*    | 3905-5-*                 | 3905-29-*                 |
|-------|---------------------|----------------|---------------------------|-------------|--------------------------|---------------------------|
| CABLE | RG55, 142, 223, 400 | RG58, 141, 303 | RG174, 179, 187, 188, 316 | RG180, 195  | RG178, 196, 188DS, 316DS | RG174DS, RG188DS, RG316DS |
| a =   | .220                | .220           | .115                      | .160        | .085                     | .140                      |
| NOTES | wedge clamp         | wedge clamp    | wedge clamp               | wedge clamp | wedge clamp              | wedge clamp               |

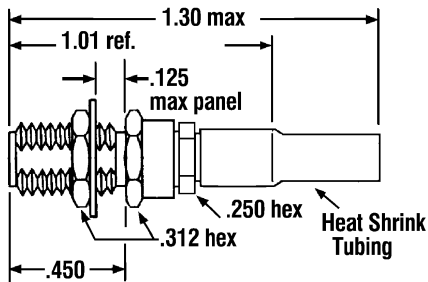
\*-1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

# SMA COAXIAL CONNECTORS

**coaxicom**

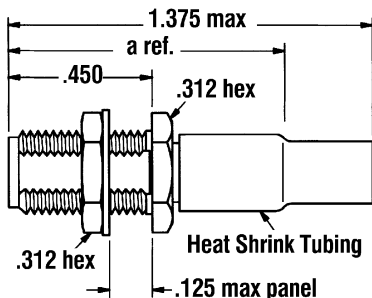
## BULKHEAD JACK



## FOR FLEXIBLE CABLE

| MODEL | 3610-1-*                    | 3610-2-*                    | 3610-3-*                    | 3610-4-*                    | 3610-5-*                    | 3610-29-*                   |
|-------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| CABLE | RG55, 142, 223, 400         | RG58, 141, 303              | RG174, 179, 187, 188, 316   | RG180, 195                  | RG178, 196                  | RG174DS, RG188DS, RG316DS   |
| NOTES | captive contact crimp/clamp | captive contact crimp/clamp | captive contact crimp/clamp | captive contact crimp/clamp | captive contact crimp/clamp | captive contact crimp/clamp |

## BULKHEAD JACK

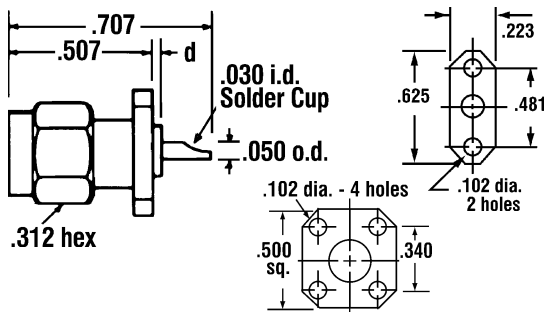


## FOR FLEXIBLE CABLE

| MODEL | 3088-1-*                            | 3088-2-*                            | 3088-3-*                            | 3088-4-*                            | 3088-5-*                            |
|-------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| CABLE | RG55, 142, 223, 400                 | RG58, 141, 303                      | RG174, 179, 187, 188, 316           | RG180, 195                          | RG178, 196                          |
| a =   | .945                                | .945                                | .825                                | .945                                | .945                                |
| NOTES | non-captive contact crimp or solder | non-captive contact crimp or solder | non-captive contact crimp or solder | non-captive contact crimp or solder | non-captive contact crimp or solder |

NOTE: For crimp version (passivated only) add suffix "C"

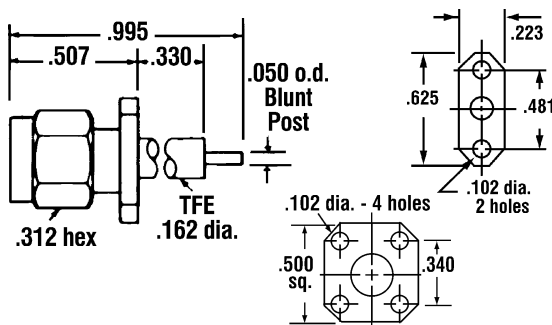
## FLANGE MOUNT PLUG



## RECEPTACLE

| MODEL  | 3111-1-*                                       | 3111-2-*                                    | 3112-1-*                                       | 3112-2-*                                    |
|--------|------------------------------------------------|---------------------------------------------|------------------------------------------------|---------------------------------------------|
| FLANGE | 4 hole                                         | 4 hole                                      | 2 hole                                         | 2 hole                                      |
| d =    | 0.0                                            | .025                                        | 0.0                                            | .025                                        |
| NOTES  | captive contact without exposed TFE solder cup | captive contact with exposed TFE solder cup | captive contact without exposed TFE solder cup | captive contact with exposed TFE solder cup |

## FLANGE MOUNT PLUG



## RECEPTACLE

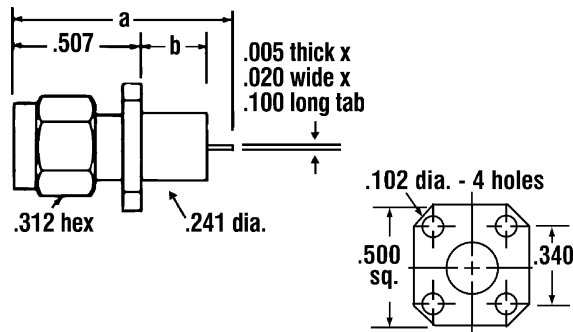
| MODEL  | 3214CC-*                   | 3214-*                         | 3117CC-*                   | 3117-*                         |
|--------|----------------------------|--------------------------------|----------------------------|--------------------------------|
| FLANGE | 4 hole                     | 4 hole                         | 2 hole                     | 2 hole                         |
| NOTES  | captive contact blunt post | non-captive contact blunt post | captive contact blunt post | non-captive contact blunt post |

Add "M" to part no. for .010 O.D. post and .085 DIA.TFE (Example: 3214MCC-\*)

\*-1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

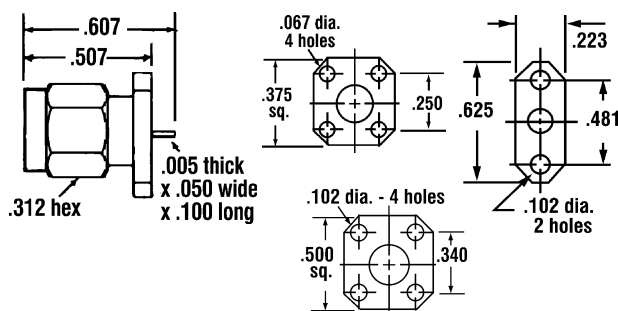
### FLANGE MOUNT PLUG



### RECEPTACLE

| MODEL  | 3127M-*                            | 3128M-*                            | 3129M-*                            |
|--------|------------------------------------|------------------------------------|------------------------------------|
| FLANGE | 4 hole                             | 4 hole                             | 4 hole                             |
| a =    | .700                               | .732                               | .794                               |
| b =    | .093                               | .125                               | .187                               |
| NOTES  | tab-terminal<br>captive<br>contact | tab-terminal<br>captive<br>contact | tab-terminal<br>captive<br>contact |

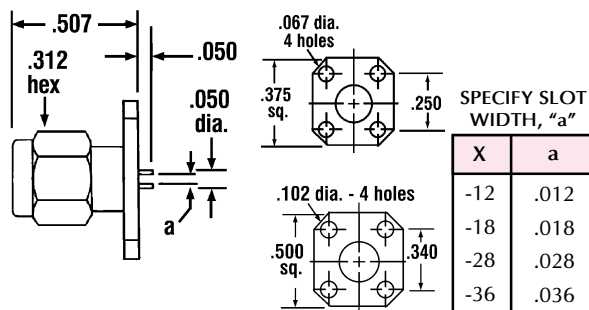
### FLANGE MOUNT PLUG



### RECEPTACLE

| MODEL  | 3144-3CC-*                      | 3122-*                          | 3926I-CC-*                                    | 3926J-CC-*                                  |
|--------|---------------------------------|---------------------------------|-----------------------------------------------|---------------------------------------------|
| FLANGE | 4 hole<br>.500 sq.              | 4 hole<br>.375 sq.              | 2 hole                                        | 2 hole                                      |
| NOTES  | tab terminal<br>captive contact | tab terminal<br>captive contact | horizontal<br>tab terminal<br>captive contact | vertical<br>tab terminal<br>captive contact |

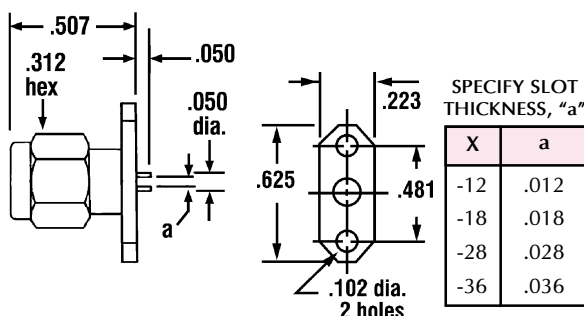
### FLANGE MOUNT PLUG



### RECEPTACLE

| MODEL  | 3923CC-X-*                          | 3923-X-*                                | 3922CC-X-*                          | 3922-X-*                            |
|--------|-------------------------------------|-----------------------------------------|-------------------------------------|-------------------------------------|
| FLANGE | 4 Hole<br>.500 sq.                  | 4 Hole<br>.500 sq.                      | 4 Hole<br>.375 sq.                  | 4 Hole<br>.375 sq.                  |
| a =    | see table                           | see table                               | see table                           | see table                           |
| NOTES  | slot terminal<br>captive<br>contact | slot terminal<br>non-captive<br>contact | slot terminal<br>captive<br>contact | slot terminal<br>captive<br>contact |

### FLANGE MOUNT PLUG



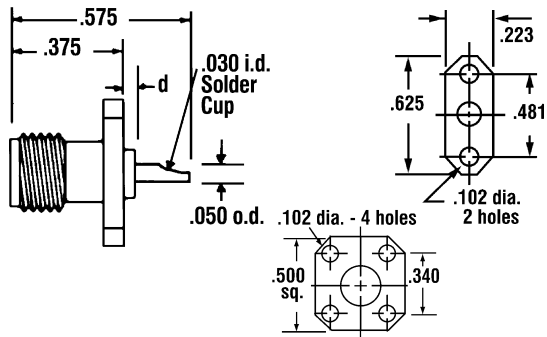
### RECEPTACLE

| MODEL  | 3249CC-X-*                                     | 3249ACC-X-*                                  | 3249-X-*                                           |
|--------|------------------------------------------------|----------------------------------------------|----------------------------------------------------|
| FLANGE | 2 Hole                                         | 2 Hole                                       | 2 Hole                                             |
| a =    | see table                                      | see table                                    | see table                                          |
| NOTES  | horizontal<br>slot terminal<br>captive contact | vertical<br>slot terminal<br>captive contact | horizontal<br>slot terminal<br>non-captive contact |

\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

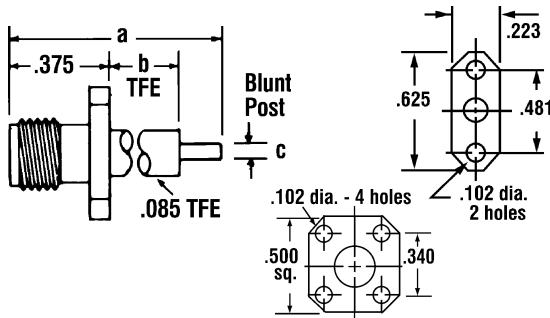
## FLANGE MOUNT JACK



## RECEPTACLE

| MODEL  | 3215-*                     | 3244-2-*                   | 3244-2F-*                  |
|--------|----------------------------|----------------------------|----------------------------|
| FLANGE | 4 hole                     | 2 hole                     | 2 hole                     |
| d =    | 0.0                        | .025                       | 0.0                        |
| NOTES  | captive contact solder cup | captive contact solder cup | captive contact solder cup |

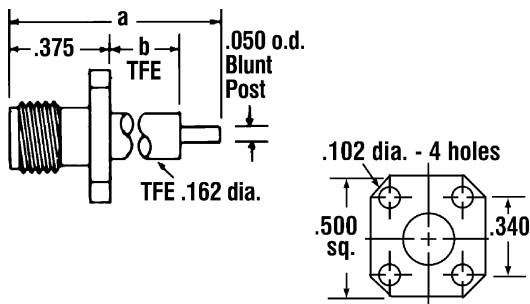
## FLANGE MOUNT JACK



## RECEPTACLE

| MODEL  | 3123-*          | 3124-*          | 3244-6-*        | 3244-7-*        | 3991A-CC-*      |
|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| FLANGE | 4 hole          | 4 hole          | 2 hole          | 2 hole          | 2 hole          |
| a =    | .550            | .482            | .550            | .482            | .475            |
| b =    | .125            | .057            | .125            | .057            | 0.0             |
| c =    | .010            | .010            | .010            | .010            | .010            |
| NOTES  | captive contact | captive contact | captive contact | captive contact | captive contact |

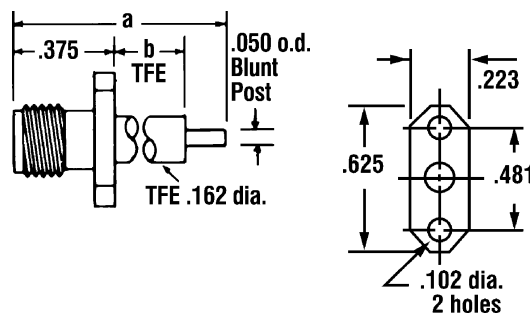
## FLANGE MOUNT JACK



## RECEPTACLE

| MODEL  | 3204CC-*        | 3204LCC-*       | 3123A-CC-*      | 3124A-CC-*      | 3204-*              |
|--------|-----------------|-----------------|-----------------|-----------------|---------------------|
| FLANGE | 4 hole          | 4 hole          | 4 hole          | 4 hole          | 4 hole              |
| a =    | 1.080           | 1.750           | .550            | .482            | 1.080               |
| b =    | .590            | 1.560           | .125            | .057            | .590                |
| NOTES  | captive contact | captive contact | captive contact | captive contact | non-captive contact |

## FLANGE MOUNT JACK



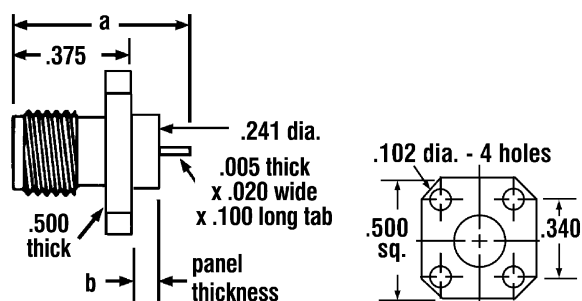
## RECEPTACLE

| MODEL  | 3000-*              | 3000CC-*        | 3244A-6-*       |
|--------|---------------------|-----------------|-----------------|
| FLANGE | 2 hole              | 2 hole          | 2 hole          |
| a =    | 1.080               | 1.080           | .550            |
| b =    | .590                | .590            | .125            |
| NOTES  | non-captive contact | captive contact | captive contact |

\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

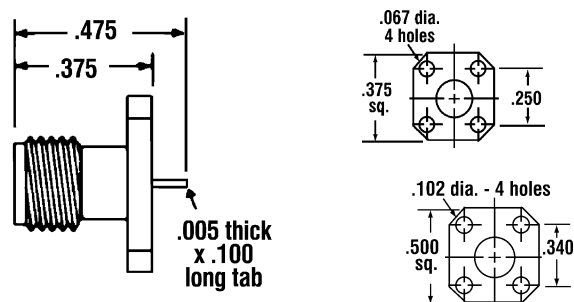
### FLANGE MOUNT JACK



### RECEPTACLE

| MODEL  | 3127-*                          | 3128-*                          | 3129-*                          |
|--------|---------------------------------|---------------------------------|---------------------------------|
| FLANGE | 4 hole                          | 4 hole                          | 4 hole                          |
| a =    | .568                            | .600                            | .662                            |
| b =    | .093                            | .125                            | .187                            |
| NOTES  | tab terminal<br>captive contact | tab terminal<br>captive contact | tab terminal<br>captive contact |

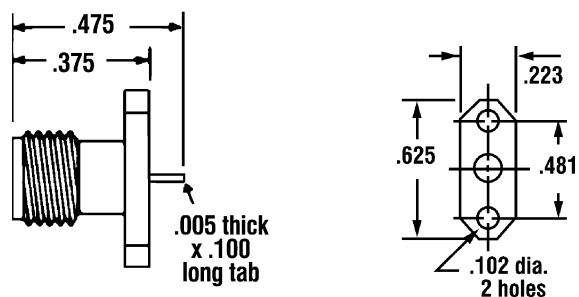
### FLANGE MOUNT JACK



### RECEPTACLE

| MODEL  | 3215-3CC-*                                       | 3215-3-*                                                | 3215-5CC-*                                          | 3121-*                                              |
|--------|--------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| FLANGE | 4 hole<br>.500 sq.                               | 4 hole<br>.500 sq.                                      | 4 hole<br>.500 sq.                                  | 4 hole<br>.375 sq.                                  |
| NOTES  | tab terminal<br>captive contact<br>.050 wide tab | tab terminal<br>non-captive<br>contact<br>.050 wide tab | tab terminal<br>captive<br>contact<br>.020 wide tab | tab terminal<br>captive<br>contact<br>.050 wide tab |

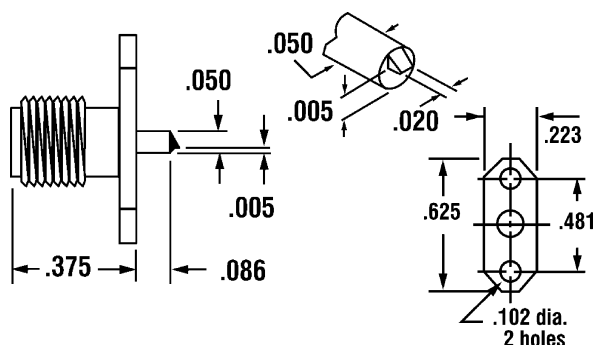
### FLANGE MOUNT JACK



### RECEPTACLE

| MODEL  | 3244-3CC-*                                                     | 3244-3-*                                                              | 3244B-3CC-*                                                  | 3244-5C-*                                                      |
|--------|----------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------|
| FLANGE | 2 hole                                                         | 2 hole                                                                | 2 hole                                                       | 2 hole                                                         |
| NOTES  | horizontal<br>tab terminal<br>captive contact<br>.050 wide tab | horizontal<br>tab terminal<br>non-captive<br>contact<br>.050 wide tab | vertical<br>tab terminal<br>captive contact<br>.050 wide tab | horizontal<br>tab terminal<br>captive contact<br>.025 wide tab |

### FLANGE MOUNT JACK



### RECEPTACLE

| MODEL  | 3244-4A-*                                     |
|--------|-----------------------------------------------|
| FLANGE | 2 hole                                        |
| NOTES  | captive<br>contact<br>compression<br>terminal |

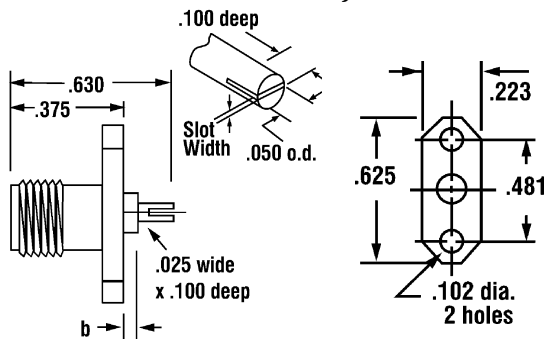
\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

# SMA COAXIAL CONNECTORS



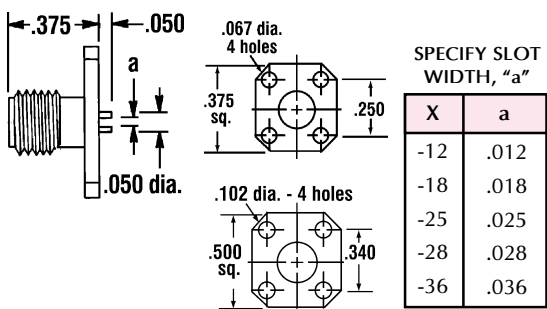
## FLANGE MOUNT JACK



## RECEPTACLE

| MODEL  | 3244-1-*                          | 3244-1CC-*                             | 3244-1ACC-*                       | 3244-8-*                                 |
|--------|-----------------------------------|----------------------------------------|-----------------------------------|------------------------------------------|
| FLANGE | 2 hole                            | 2 hole                                 | 2 hole                            | 2 hole                                   |
| b =    | .030                              | .030                                   | .030                              | 0.0                                      |
| NOTES  | non-captive contact slot terminal | captive contact vertical slot terminal | non-captive contact slot terminal | captive contact horizontal slot terminal |

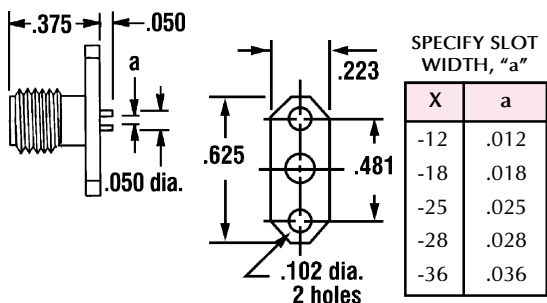
## FLANGE MOUNT JACK



## RECEPTACLE

| MODEL  | 3919CC-X-*                    | 3919-X-*                          | 3918CC-X-*                    | 3918-X-*                          |
|--------|-------------------------------|-----------------------------------|-------------------------------|-----------------------------------|
| FLANGE | 4 hole .500 sq.               | 4 hole .500 sq.                   | 4 hole .375 sq.               | 4 hole .375 sq.                   |
| a =    | see table                     | see table                         | see table                     | see table                         |
| NOTES  | slot terminal captive contact | slot terminal non-captive contact | slot terminal captive contact | slot terminal non-captive contact |

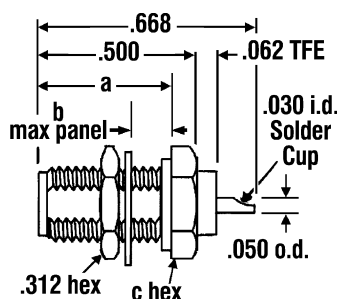
## FLANGE MOUNT JACK



## RECEPTACLE

| MODEL  | 3250CC-X-*                               | 3250ACC-X-*                            | 3250-X-*                          |
|--------|------------------------------------------|----------------------------------------|-----------------------------------|
| FLANGE | 2 hole                                   | 2 hole                                 | 2 hole                            |
| a =    | see table                                | see table                              | see table                         |
| NOTES  | horizontal slot terminal captive contact | vertical slot terminal captive contact | slot terminal non-captive contact |

## BULKHEAD JACK



## RECEPTACLE

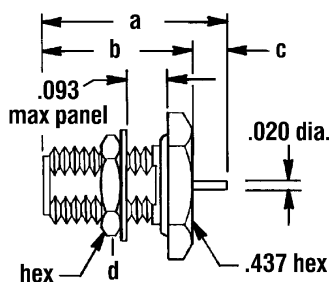
| MODEL | 3211-*               | 3211A-*              | 3211B-*              | 3212-*            |
|-------|----------------------|----------------------|----------------------|-------------------|
| a =   | .450                 | .415                 | .415                 | .415              |
| b =   | .125                 | .093                 | .093                 | .093              |
| c =   | .312                 | .437                 | .312                 | .437              |
| NOTES | rear mount no gasket | rear mount no gasket | rear mount no gasket | rear mount gasket |

\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

SEE SPECIFICATION SHEET FOR MOUNTING HOLE SIZE.

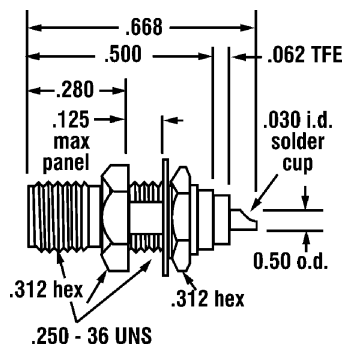
### BULKHEAD JACK



### RECEPTACLE

| MODEL | 3721-*                                                   | 3721A-*                                                  |
|-------|----------------------------------------------------------|----------------------------------------------------------|
| a =   | .530                                                     | .615                                                     |
| b =   | .415                                                     | .500                                                     |
| c =   | .115                                                     | .115                                                     |
| d =   | .375                                                     | .312                                                     |
| NOTES | rear mount<br>blunt post - gasket<br>hermetically sealed | rear mount<br>blunt post - gasket<br>hermetically sealed |

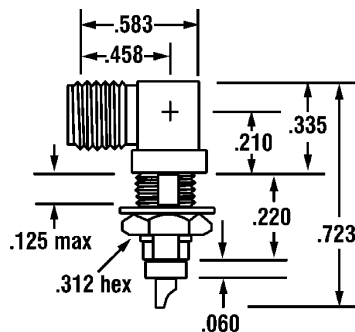
### BULKHEAD JACK



### RECEPTACLE

| MODEL | 3118-*                                 |
|-------|----------------------------------------|
| NOTES | front mount<br>solder cup<br>no gasket |

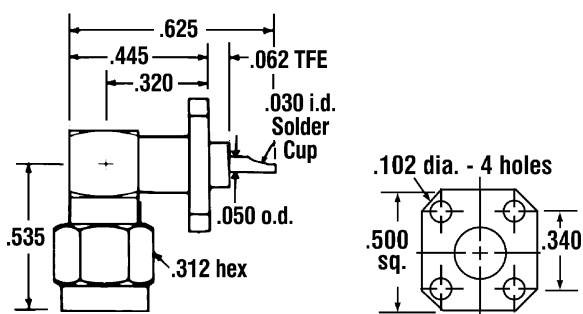
### BULKHEAD RIGHT ANGLE JACK



### RECEPTACLE

| MODEL | 3126-*                                 |
|-------|----------------------------------------|
| NOTES | front mount<br>solder cup<br>no gasket |

### FLANGE MOUNT RIGHT ANGLE PLUG



### RECEPTACLE

| MODEL  | 3150-*     |
|--------|------------|
| FLANGE | 4 hole     |
| NOTES  | solder cup |

\* -1 indicates gold plated stainless steel all over.

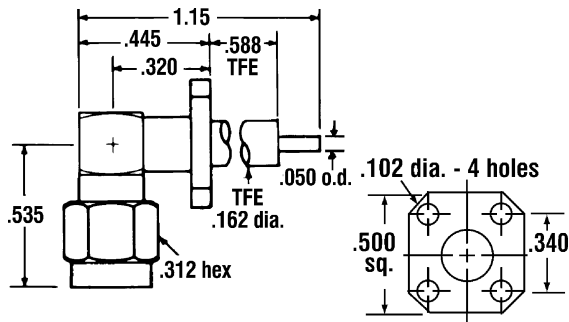
-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

SEE SPECIFICATION SHEET FOR MOUNTING HOLE SIZE.

# SMA COAXIAL CONNECTORS



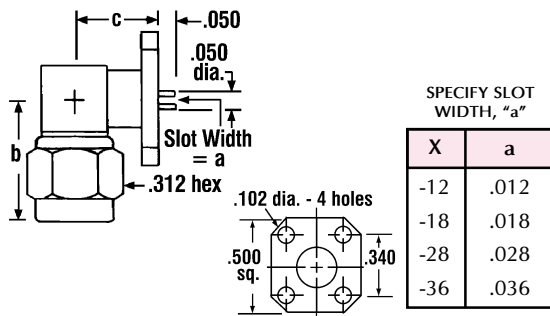
## FLANGE MOUNT RIGHT ANGLE PLUG



## RECEPTACLE

| MODEL  | 3151-*     |
|--------|------------|
| FLANGE | 4 hole     |
| NOTES  | blunt post |

## FLANGE MOUNT RIGHT ANGLE PLUG

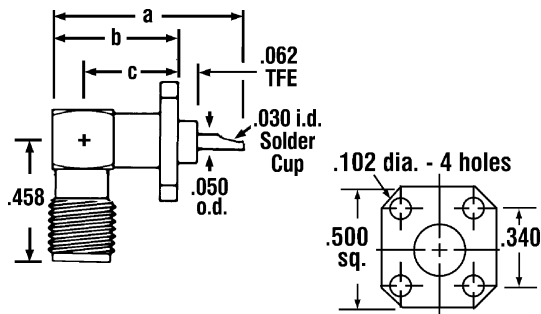


## RECEPTACLE

| MODEL | 3152-1-X-*                                   | 3152-1A-X-*                                | 3152-2-X-*                                 | 3152-2A-X-*                              |
|-------|----------------------------------------------|--------------------------------------------|--------------------------------------------|------------------------------------------|
| a =   | see table                                    | see table                                  | see table                                  | see table                                |
| b =   | .500                                         | .500                                       | .427                                       | .427                                     |
| c =   | .380                                         | .380                                       | .312                                       | .312                                     |
| NOTES | DC - 12.4 GHz<br>horizontal<br>slot terminal | DC - 12.4 GHz<br>vertical<br>slot terminal | DC - 18 GHz<br>horizontal<br>slot terminal | DC - 18 GHz<br>vertical<br>slot terminal |

Horizontal Slot Shown

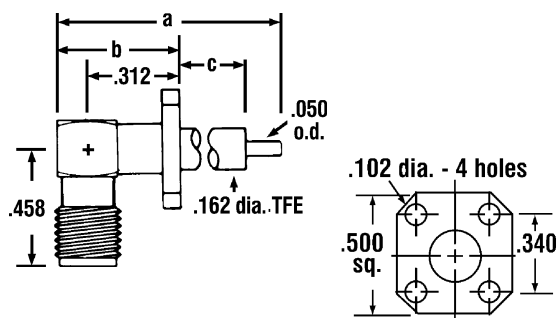
## FLANGE MOUNT RIGHT ANGLE JACK



## RECEPTACLE

| MODEL | 3224-*     | 3224L-*                   |
|-------|------------|---------------------------|
| a =   | .685       | .550                      |
| b =   | .505       | .360                      |
| c =   | .380       | .240                      |
| NOTES | solder cup | solder cup<br>low profile |

## FLANGE MOUNT RIGHT ANGLE JACK



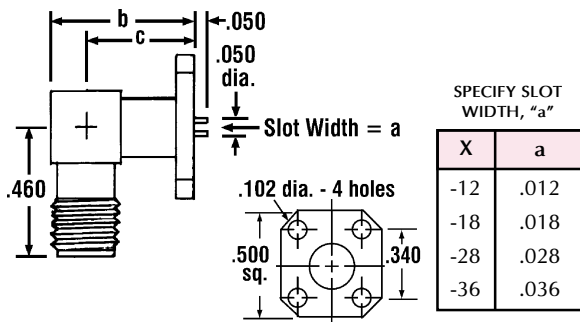
## RECEPTACLE

| MODEL | 3116-*     | 3116-1-* | 3116-2-* | 3116-3-* | 3116-4-* |
|-------|------------|----------|----------|----------|----------|
| a =   | 1.14       | .835     | .795     | .680     | .935     |
| b =   | .437       | .505     | .505     | .505     | .505     |
| c =   | .590       | .240     | .240     | .130     | .350     |
| NOTES | blunt post |          |          |          |          |

\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

### FLANGE MOUNT RIGHT ANGLE JACK

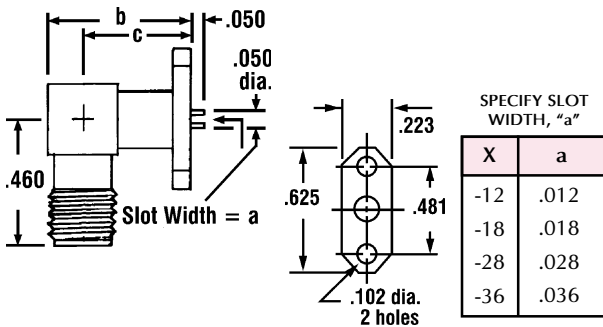


### RECEPTACLE

| MODEL | 3225-1-X-*                           | 3225-1A-X-*                        | 3225-2-X-*                         | 3225-2A-X-*                      |
|-------|--------------------------------------|------------------------------------|------------------------------------|----------------------------------|
| b =   | .505                                 | .505                               | .437                               | .437                             |
| c =   | .380                                 | .380                               | .312                               | .312                             |
| NOTES | DC-12.4 GHz horizontal slot terminal | DC-12.4 GHz vertical slot terminal | DC-18 GHz horizontal slot terminal | DC-18 GHz vertical slot terminal |

Horizontal Slot Shown

### FLANGE MOUNT RIGHT ANGLE JACK



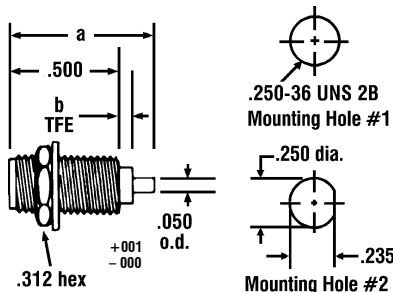
### RECEPTACLE

| MODEL | 3226-1#-X-*                          | 3226-1A#-X-*                       | 3226-2#-X-*                        | 3226-2A#-X-*                     |
|-------|--------------------------------------|------------------------------------|------------------------------------|----------------------------------|
| b =   | .505                                 | .505                               | .437                               | .437                             |
| c =   | .380                                 | .380                               | .312                               | .312                             |
| NOTES | DC-12.4 GHz horizontal slot terminal | DC-12.4 GHz vertical slot terminal | DC-18 GHz horizontal slot terminal | DC-18 GHz vertical slot terminal |

# Add Suffix "R" or "L" for 45° right or 45° left flange contact orientation respectively. Reference is with the connector pointing down, while being viewed from the contact side of the flange.

Horizontal Slot Shown

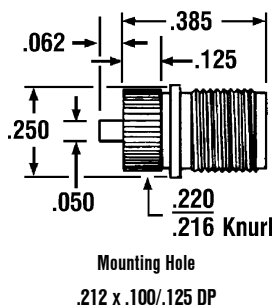
### BULKHEAD FRONT/REAR MOUNT JACK



### RECEPTACLE

| MODEL         | 3220-*                                  | 3220A-*                              | 3220-1-*                                              | 3220A-1-*                                          |
|---------------|-----------------------------------------|--------------------------------------|-------------------------------------------------------|----------------------------------------------------|
| a =           | .660                                    | .660                                 | .668                                                  | .668                                               |
| b =           | .076                                    | .076                                 | .062                                                  | .062                                               |
| MOUNTING HOLE | 1                                       | 2                                    | 1                                                     | 2                                                  |
| NOTES         | blunt post captive contact without flat | blunt post captive contact with flat | two lock nuts solder pot captive contact without flat | two lock nuts solder pot captive contact with flat |

### PRESS FIT FRONT MOUNT JACK



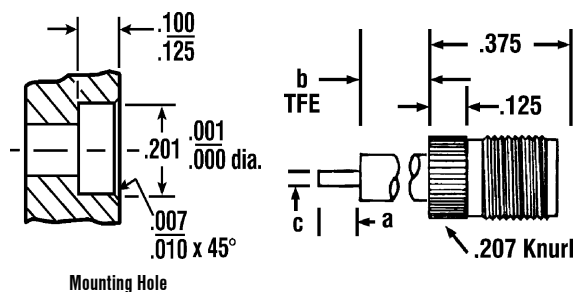
### RECEPTACLE

| MODEL | 3109CC-*                   |
|-------|----------------------------|
| NOTES | blunt post captive contact |

\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

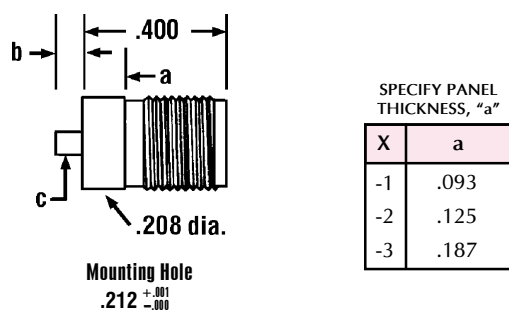
## PRESS FIT FRONT MOUNT JACK



## RECEPTACLE

| MODEL | 3109-1-*                             | 3109CC-1-*                       | 3109PCC-*                        | 3904-*                                 | 3904CC-*                           |
|-------|--------------------------------------|----------------------------------|----------------------------------|----------------------------------------|------------------------------------|
| a =   | .115                                 | .115                             | .200                             | .100                                   | .100                               |
| b =   | .590                                 | .590                             | 0.0                              | 0.0                                    | 0.0                                |
| c =   | .050                                 | .050                             | .050 o.d.<br>x .030 i.d.         | .005 thick<br>x .050<br>wide tab       | .005 thick<br>x .050<br>wide tab   |
| NOTES | blunt post<br>non-captive<br>contact | blunt post<br>captive<br>contact | solder pot<br>captive<br>contact | tab terminal<br>non-captive<br>contact | tab terminal<br>captive<br>contact |

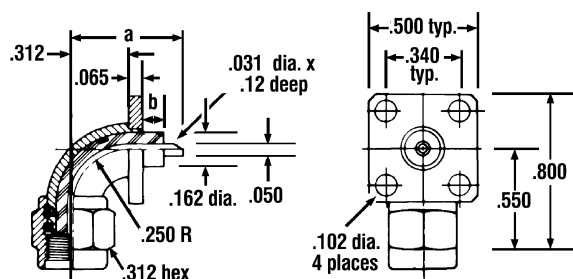
## PANEL SOLDER FRONT MOUNT JACK



## RECEPTACLE

| MODEL | 3110CC-X-1                      | 3110ACC-X-1                   | 3110BCC-X-1                   |
|-------|---------------------------------|-------------------------------|-------------------------------|
| a =   | see table                       | see table                     | see table                     |
| b =   | .100                            | .115                          | .115                          |
| c =   | .005 thick x<br>.020 wide       | .020<br>dia.                  | .010<br>dia.                  |
| NOTES | tab terminal<br>captive contact | blunt post<br>captive contact | blunt post<br>captive contact |

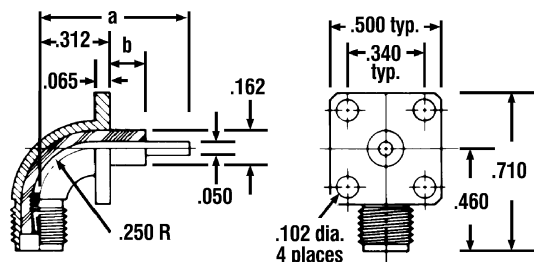
## SWEPT RADIUS RIGHT ANGLE PLUG



## RECEPTACLE

| MODEL | 3458-*                           | 3459-*                        | 3463-*                                    |
|-------|----------------------------------|-------------------------------|-------------------------------------------|
| a =   | .488                             | .687                          | 1.017                                     |
| b =   | .090                             | .100                          | .590                                      |
| NOTES | .030 D x .125 deep<br>solder pot | straight contact<br>.050 dia. | straight extended<br>contact<br>.050 dia. |

## SWEPT RADIUS RIGHT ANGLE JACK



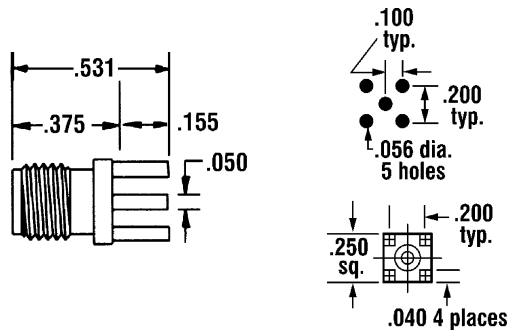
## RECEPTACLE

| MODEL | 3451-*                          | 3452-*                                    | 3453-*                          | 3454-*                                                             | 3455-*                                   | 3456-*                                    | 3457-*                                    |
|-------|---------------------------------|-------------------------------------------|---------------------------------|--------------------------------------------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|
| a =   | 1.017                           | .488                                      | .612                            | .522                                                               | 1.212                                    | .622                                      | .386                                      |
| b =   | .590                            | .090                                      | .100                            | .210                                                               | .710                                     | 0.0                                       | 0.0                                       |
| NOTES | extended<br>straight<br>contact | .030 D x<br>.125<br>deep<br>solder<br>pot | extended<br>straight<br>contact | probe<br>type<br>straight<br>contact<br>flush<br>with<br>insulator | multi-<br>purpose<br>extended<br>contact | extended<br>contact<br>flush<br>insulator | extended<br>contact<br>flush<br>insulator |

\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

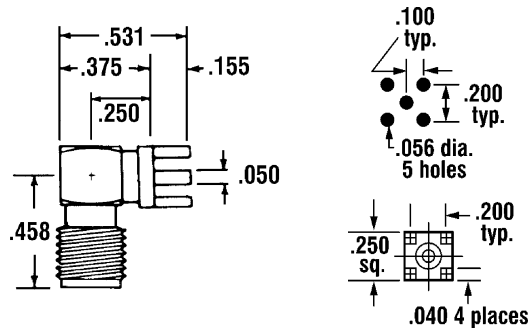
### STRAIGHT JACK



### P.C. MOUNT

| MODEL | 3115-1             | 3115B-1                         | 3115EM-1                            | 3115EM-1-1                          |
|-------|--------------------|---------------------------------|-------------------------------------|-------------------------------------|
| NOTES | Thru-board (shown) | Thru-board bulkhead (not shown) | Edge mount, .032" board (not shown) | Edge mount, .062" board (not shown) |

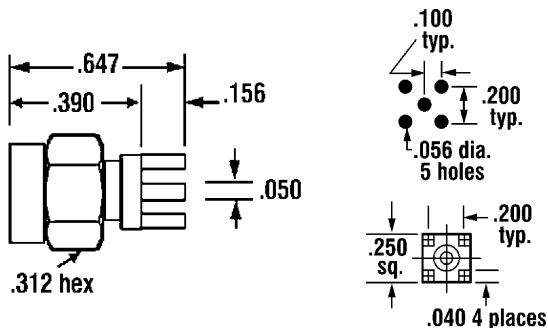
### RIGHT ANGLE JACK



### P.C. MOUNT

| MODEL | 3114-1           | 3114P-1                       |
|-------|------------------|-------------------------------|
| NOTES | PC mount (shown) | Bulkhead PC mount (not shown) |

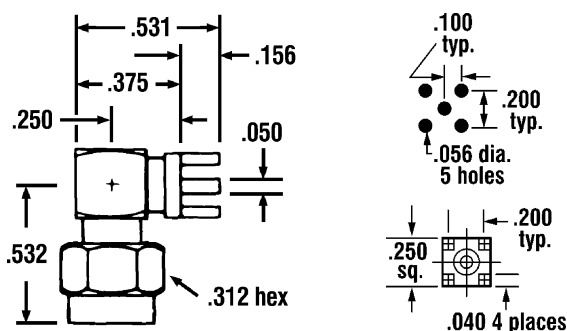
### STRAIGHT PLUG



### P.C. MOUNT

| MODEL | 3148-1   |
|-------|----------|
| NOTES | PC mount |

### RIGHT ANGLE PLUG



### P.C. MOUNT

| MODEL | 3149-1   |
|-------|----------|
| NOTES | PC mount |

\* -1 indicates gold plated stainless steel all over.

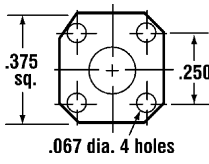
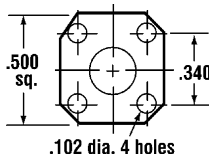
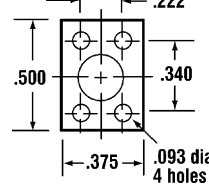
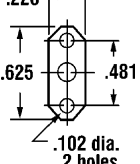
-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

# SMA FIELD REPLACEABLE CONNECTORS

**coaxicom**

## FEATURES:

- Manufactured per MIL-PRF-39012
- Stainless Steel Construction
- Frequency: DC to 18 GHz
- With or without EMI gasket
- Precision TNC and N Types are also available. Consult factory.

| FLANGE TYPES                                                                      |                                                                                    |                                                                                     |                                                                                     |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
|  |  |  |  |  |
| MODEL                                                                             | MODEL                                                                              | MODEL                                                                               | MODEL                                                                               |  |
| 3131K-12-*                                                                        | 3131-12-*                                                                          | 3142-12-*                                                                           | 3130-12-*                                                                           |  |
| 3131K-15-*                                                                        | 3131-15-*                                                                          | 3142-15-*                                                                           | 3130-15-*                                                                           |  |
| 3131K-18-*                                                                        | 3131-18-*                                                                          | 3142-18-*                                                                           | 3130-18-*                                                                           |  |
| 3131K-20-*                                                                        | 3131-20-*                                                                          | 3142-20-*                                                                           | 3130-20-*                                                                           |  |
| 3131K-36-*                                                                        | 3131-36-*                                                                          | 3142-36-*                                                                           | 3130-36-*                                                                           |  |
| 3310K-12-*                                                                        | 3310-12-*                                                                          | 3310Y-12-*                                                                          | 3111-12-*                                                                           |  |
| 3310K-15-*                                                                        | 3310-15-*                                                                          | 3310Y-15-*                                                                          | 3111-15-*                                                                           |  |
| 3310K-18-*                                                                        | 3310-18-*                                                                          | 3310Y-18-*                                                                          | 3111-18-*                                                                           |  |
| 3310K-20-*                                                                        | 3310-20-*                                                                          | 3310Y-20-*                                                                          | 3111-20-*                                                                           |  |
| 3310K-36-*                                                                        | 3310-36-*                                                                          | 3310Y-36-*                                                                          | 3111-36-*                                                                           |  |
| N/A                                                                               | 3927F-12-*                                                                         | 3927FY-12-*                                                                         | 3927FA(#)-12-*                                                                      |  |
|                                                                                   | 3927F-15-*                                                                         | 3927FY-15-*                                                                         | 3927FA(#)-15-*                                                                      |  |
|                                                                                   | 3927F-18-*                                                                         | 3927FY-18-*                                                                         | 3927FA(#)-18-*                                                                      |  |
|                                                                                   | 3927F-20-*                                                                         | 3927FY-20-*                                                                         | 3927FA(#)-20-*                                                                      |  |
|                                                                                   | 3927F-36-*                                                                         | 3927FY-36-*                                                                         | 3927FA(#)-36-*                                                                      |  |
| N/A                                                                               | 3927M-12-*                                                                         | 3927MY-12-*                                                                         | 3927MA(#)-12-*                                                                      |  |
|                                                                                   | 3927M-15-*                                                                         | 3927MY-15-*                                                                         | 3927MA(#)-15-*                                                                      |  |
|                                                                                   | 3927M-18-*                                                                         | 3927MY-18-*                                                                         | 3927MA(#)-18-*                                                                      |  |
|                                                                                   | 3927M-20-*                                                                         | 3927MY-20-*                                                                         | 3927MA(#)-20-*                                                                      |  |
|                                                                                   | 3927M-36-*                                                                         | 3927MY-36-*                                                                         | 3927MA(#)-36-*                                                                      |  |
| DIRECT SOLDER FLANGE FOR .047 SEMI-RIGID CABLE                                    |                                                                                    |                                                                                     |                                                                                     |  |
| 3147K-12-1                                                                        | 3147-12-1                                                                          | 3147Y-12-1                                                                          | 3147A-12-1                                                                          |  |
| 3147K-15-1                                                                        | 3147-15-1                                                                          | 3147Y-15-1                                                                          | 3147A-15-1                                                                          |  |
| 3147K-18-1                                                                        | 3147-18-1                                                                          | 3147Y-18-1                                                                          | 3147A-18-1                                                                          |  |
| 3147K-20-1                                                                        | 3147-20-1                                                                          | 3147Y-20-1                                                                          | 3147A-20-1                                                                          |  |
| DIRECT SOLDER FLANGE FOR .085 SEMI-RIGID CABLE                                    |                                                                                    |                                                                                     |                                                                                     |  |
| 3185K-12-1                                                                        | 3185-12-1                                                                          | 3185Y-12-1                                                                          | 3185A-12-1                                                                          |  |
| 3185K-15-1                                                                        | 3185-15-1                                                                          | 3185Y-15-1                                                                          | 3185A-15-1                                                                          |  |
| 3185K-18-1                                                                        | 3185-18-1                                                                          | 3185Y-18-1                                                                          | 3185A-18-1                                                                          |  |
| 3185K-20-1                                                                        | 3185-20-1                                                                          | 3185Y-20-1                                                                          | 3185A-20-1                                                                          |  |

NOTES: For EMI gasket add suffix "E" to part number. Example 3130E-12-\*

# add suffix: With contact facing down; "R" for 45° right; "L" for 45° left; leave blank for 90° horizontal contact orientation.

Nominal pin diameter show; Flange thickness is .065 for all flange types; insulators are flush to flange.

Other connector configurations are available; contact COAXICOM.

\* -1 indicates gold plated stainless steel body, -9 indicates passivated (stainless steel).

| FEED-THROUGH CONNECTORS (ACCEPTS PIN LENGTH OF 0.100") |                            |                                                                            | HERMETIC              |
|--------------------------------------------------------|----------------------------|----------------------------------------------------------------------------|-----------------------|
| 3533-#-*                                               | 3935A-#-*                  | 3137-#-*                                                                   | 3137AB-20-9           |
| <b>KNURL MOUNT</b><br>                                 | <b>SCREW-IN INSERT</b><br> | <b>DIRECT SCREW-IN</b><br>3137A-#-* (L = .500)<br>3137B-#-* (L = .825)<br> | <b>KNIFE EDGE</b><br> |

NOTES: 3533-#-\* Uses the same mounting hole as that shown on the top left of page 17. Can be used with 3309-# series of hermetic seals.  
 # - Add suffix for pin diameter. ie: "20" for .020, "36" for .036.  
 \*: -1 for gold plated stainless steel body, -9 for passivated stainless steel body.

### TRANSITION PINS, INSULATORS & SEALS

| 3304-(1 thru 10) | Panel or Package Wall Thickness | Dimensions, inches (mm) |      | Model          | Model          |
|------------------|---------------------------------|-------------------------|------|----------------|----------------|
| <br>TAB TERMINAL |                                 | a                       | e    | .020 Tab Width | .050 Tab Width |
| Flush            |                                 | .173                    | .017 | 3304-1         | 3304-2         |
| .062             |                                 | .236                    | .080 | 3304-3         | 3304-4         |
| .125             |                                 | .298                    | .142 | 3304-5         | 3304-6         |
| .187             |                                 | .361                    | .205 | 3304-7         | 3304-8         |
| .250             |                                 | .423                    | .267 | 3304-9         | 3304-10        |

| 3305-(11 thru 25)            | <br>SLOT TERMINAL |  |  | Model           | Model           | Model           |
|------------------------------|-------------------|--|--|-----------------|-----------------|-----------------|
| <br>MICROSTRIP POST TERMINAL |                   |  |  | .012 Slot Width | .018 Slot Width | .028 Slot Width |
|                              | Flush             |  |  | 3305-11         | 3305-12         | 3305-13         |
|                              | .062              |  |  | 3305-14         | 3305-15         | 3305-16         |
|                              | .125              |  |  | 3305-17         | 3305-18         | 3305-19         |
|                              | .187              |  |  | 3305-20         | 3305-21         | 3305-22         |
|                              | .250              |  |  | 3305-23         | 3305-24         | 3305-25         |

| 3306-(26 thru 30) | <br>3307-31<br>.50" DIA. BLUNT POST TERMINAL |  |  | Model |         |
|-------------------|----------------------------------------------|--|--|-------|---------|
| Flush             |                                              |  |  |       | 3306-26 |
| .062              |                                              |  |  |       | 3306-27 |
| .125              |                                              |  |  |       | 3306-28 |
| .187              |                                              |  |  |       | 3306-29 |
| .250              |                                              |  |  |       | 3306-30 |

| 3308 - (32 thru 30) | <br>TFE INSULATOR |  |  | Model |         |
|---------------------|-------------------|--|--|-------|---------|
| .062                |                   |  |  |       | 3308-32 |
| .125                |                   |  |  |       | 3308-33 |
| .187                |                   |  |  |       | 3308-34 |
| .250                |                   |  |  |       | 3308-35 |
| Up to .625          |                   |  |  |       | 3308-36 |

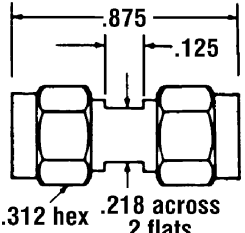
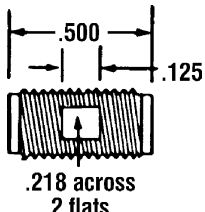
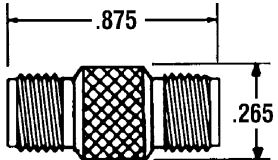
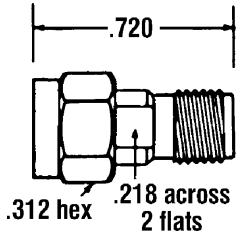
| 3309-(38 thru 42) | <br>HERMETIC SEAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------|-------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                   |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                   |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                   |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                   |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                   |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                   |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

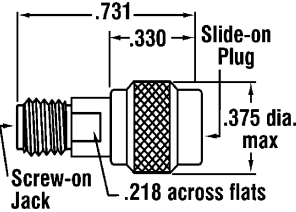
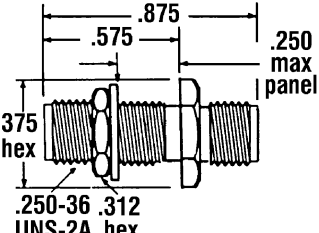
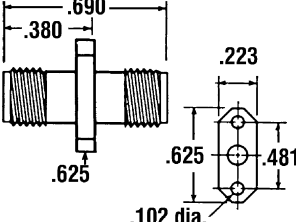
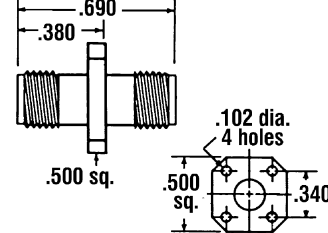
| Model   | a    | b    | c    | d    | e    | f    | g    |
|---------|------|------|------|------|------|------|------|
| 3309-38 | .020 | .036 | .158 | .075 | .060 | .185 | .320 |
| 3309-39 | .020 | .020 | .158 | .060 | .060 | .203 | .323 |
| 3309-40 | .018 | .018 | .110 | .072 | .060 | .180 | .315 |
| 3309-41 | .015 | .015 | .097 | .072 | .060 | .180 | .312 |
| 3309-42 | .012 | .012 | .097 | .072 | .060 | .180 | .315 |

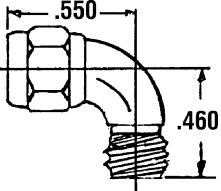
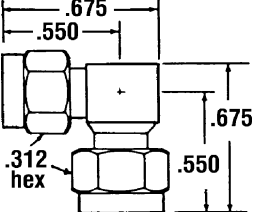
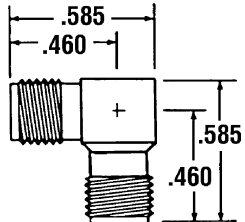
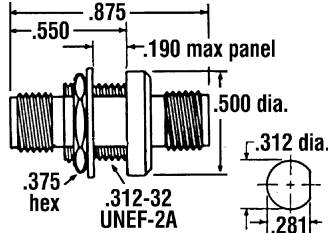
NOTES: All transition pins are gold plated.  
 Special types are available; contact factory.  
 Kovar Glass hermetic seal has a gold plated pin that may be soldered directly into the package providing leakage less than  $10^{-8}$  cc/sec.

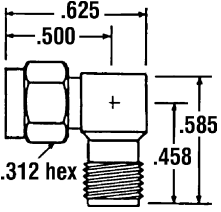
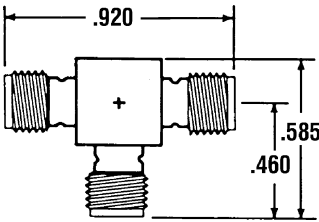
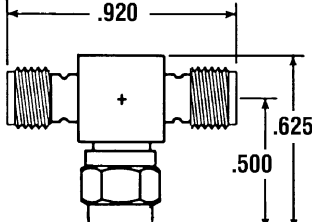
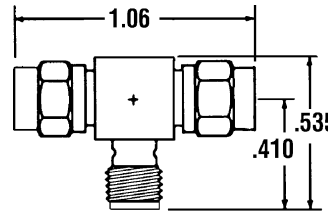
# SMA INTRA SERIES ADAPTERS

**coaxicom**

| FREQUENCY: DC- 18GHz VSWR (max.) 1.05+.005f(GHz)                                                  |                                                                                                       |                                                                                                                   |                                                                                                       |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 3218-*                                                                                            | 3217-*                                                                                                | 3125-*                                                                                                            | 3216-*                                                                                                |
| MALE TO MALE<br> | FEMALE TO FEMALE<br> | FEMALE TO FEMALE WITH KNURL<br> | MALE TO FEMALE<br> |

|                                                                                                               |                                                                                                                 |                                                                                                                             |                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 3216Q-*                                                                                                       | 3209A-*                                                                                                         | 3132-*                                                                                                                      | 3145-*                                                                                                                       |
| FEMALE TO MALE SLIDE-ON<br> | BULKHEAD FEMALE TO FEMALE<br> | 2 HOLE FLANGE MOUNT FEMALE TO FEMALE<br> | 4 HOLE FLANGE MOUNT FEMALE TO FEMALE<br> |

| FREQUENCY: DC - 18 GHz VSWR (max) 1.05+.01f(GHz)                                                                     |                                                                                                                 |                                                                                                                      |                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 3912-*                                                                                                               | 3085-*                                                                                                          | 3119-*                                                                                                               | 3208A-*                                                                                                                            |
| RADIUS (SWEEP) MALE TO FEMALE<br> | RIGHT ANGLE MALE TO MALE<br> | RIGHT ANGLE FEMALE TO FEMALE<br> | BULKHEAD FEMALE TO FEMALE HERMETIC SEALED<br> |

| VSWR TYPICALLY 2:1                                                                                                |                                                                                                                 |                                                                                                                |                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 3219A-*                                                                                                           | 3086-*                                                                                                          | 3087-*                                                                                                         | 3163-*                                                                                                        |
| RIGHT ANGLE MALE TO FEMALE<br> | FEMALE - FEMALE - FEMALE<br> | FEMALE - MALE - FEMALE<br> | MALE - FEMALE - MALE<br> |

\* -1 indicates gold plated stainless steel all over.

-9 indicates passivated (stainless finish) except in areas where gold plating is required for solderability.

ADDITIONAL ADAPTER TYPES NOT SHOWN , ARE USUALLY AVAILABLE FROM STOCK. PLEASE CONTACT COAXICOM.