N Jack — SMA Jack

BNC Plug — SMA Jack

SMC Jack — SMA Jack

# Precision SMA

# adapters

## BETWEEN
## SERIES
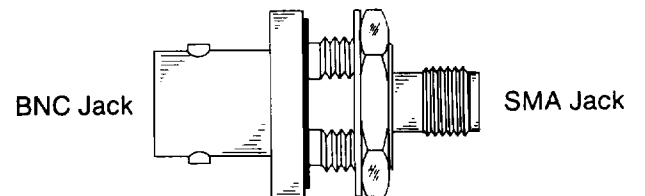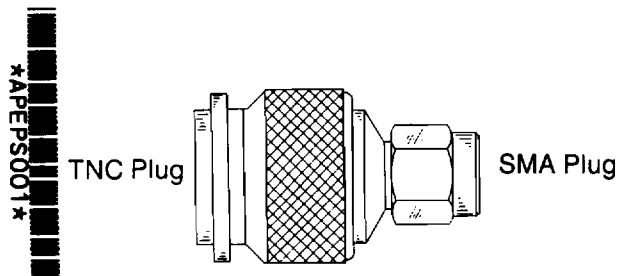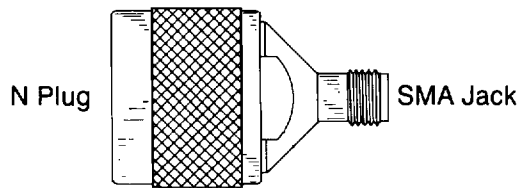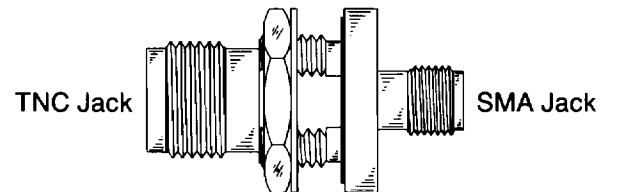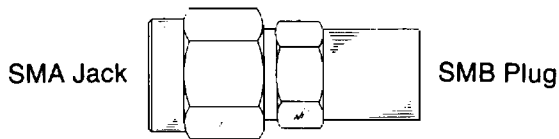
SMA Jack — SMB Plug

TNC Jack — SMA Jack

N Plug — SMA Jack

TNC Plug — SMA Plug

BNC Jack — SMA Jack

# AEP APPLIED ENGINEERING PRODUCTS

## BNC Plug to SMA Jack

### 5400-9503-000
BNC body: Nickel plated brass
SMA body: Passivated stainless steel
Frequency range: DC – 11 Ghz

## BNC Plug to SMA Plug

### 5401-9503-000
BNC body: Nickel plated brass
SMA body: Passivated stainless steel
Frequency range: DC – 11 Ghz

Bulkhead mounted
## BNC Jack to SMA Jack
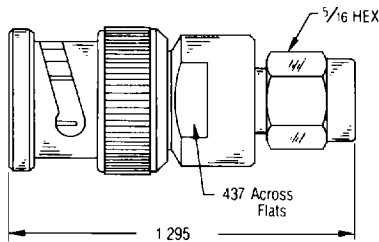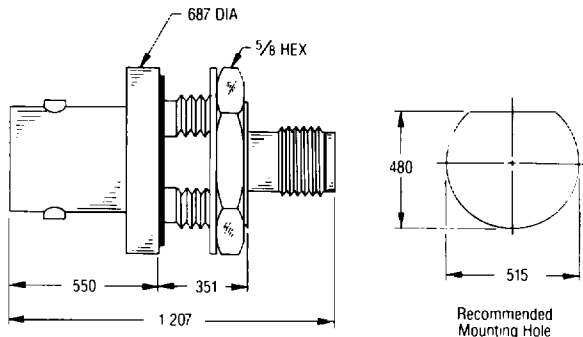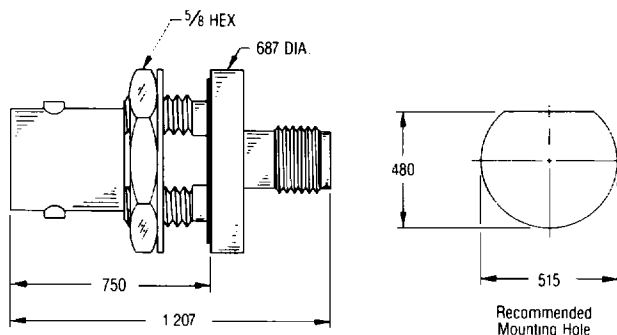(BNC front of panel)

### 5530-9503-000
BNC body: Nickel plated brass
SMA body: Passivated stainless steel
Frequency range: DC – 11 Ghz

Bulkhead mounted
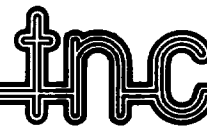## BNC Jack to SMA Jack
(SMA front of panel)

### 5500-9503-000
BNC body: Nickel plated brass
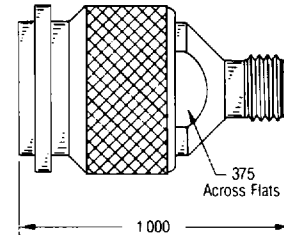SMA body: Passivated stainless steel
Frequency range: DC – 11 Ghz

# TNC Plug to SMA Jack

## 5300-9503-000
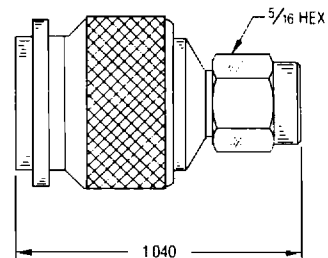Passivated stainless steel
Frequency range: DC – 18 Ghz

375
Across Flats

1.000

# TNC Plug to SMA Plug

## 5301-9503-000
Passivated stainless steel
Frequency range: DC – 18 Ghz

$^5/_{16}$ HEX

1.040

Bulkhead mounted
# TNC Jack to SMA Jack
(TNC front of panel)

## 5125-9503-000
Passivated stainless steel
Frequency range: DC – 18 Ghz

687 DIA
$^5/_8$ HEX
480
.550
.351
.515
1.207

Recommended
Mounting Hole

Bulkhead mounted
# TNC Jack to SMA Jack
(SMA front of panel)

## 5126-9503-000
Passivated stainless steel
Frequency range: DC – 18 Ghz

$^5/_8$ HEX
687 DIA
480
.750
.515
1.207

Flange mounted
# TNC Jack to SMA Jack

## 5127-9503-000
Passivated stainless steel
Frequency range: DC – 18 Ghz

.500
TYP
#3-56 UNF-2B
4 PLACES
.093
.312
1.000
$^{11}/_{16}$ sq.

3
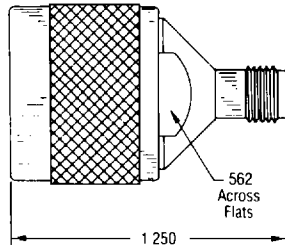
## N Plug to SMA Jack

### 5000-9503-000
Passivated stainless steel
Frequency range: DC – 18 Ghz

562 Across Flats

1 250

## N Plug to SMA Plug

### 5001-9503-000
Passivated stainless steel
Frequency range: DC – 18 Ghz

5/16 HEX

562 Across Flats

1 9/32

687 DIA

5/8 HEX

480

515

595    351
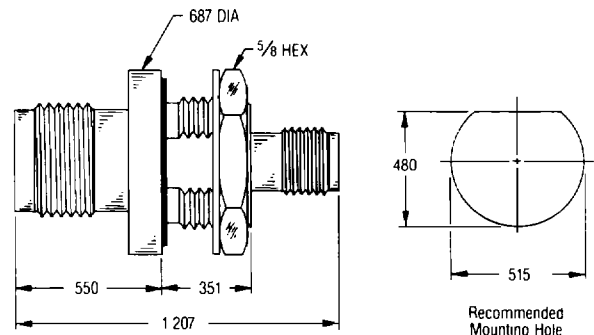
1.234

Recommended Mounting Hole
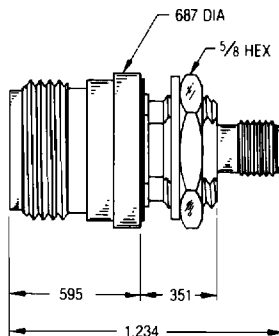
Bulkhead mounted
## N Jack to SMA Jack
(N front of panel)

### 5622-9503-000
Passivated stainless steel
Frequency range: DC – 18 Ghz

**Bulkhead mounted**
## N Jack to SMA Jack
(SMA front of panel)

## 5623-9503-000
Passivated stainless steel
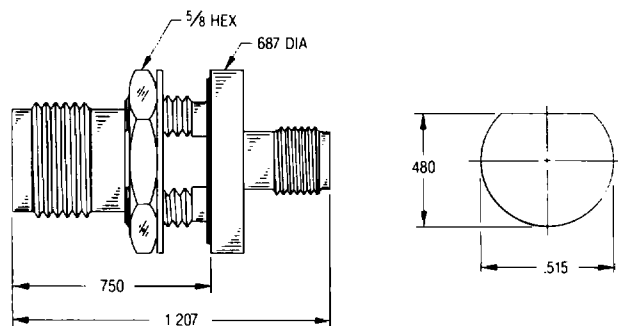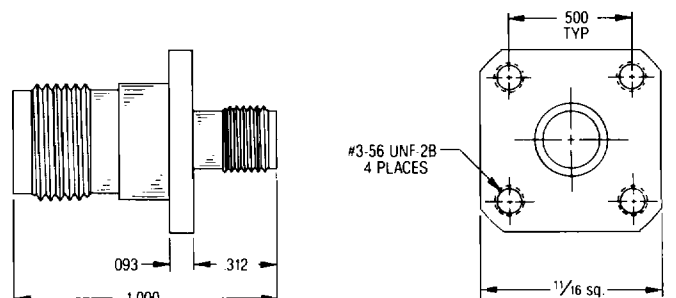Frequency range: DC – 18 Ghz

3/4 HEX
812 DIA.
531 MIN
625 DIA
867
1.234
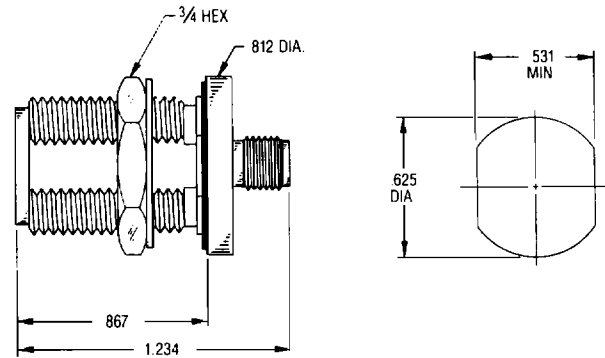
**Flange mounted**
## N Jack to SMA Jack

## 5624-9503-000
Passivated stainless steel
Frequency range: DC – 18 Ghz

1 000 sq
080
.125 DIA
4 PLACES
719 TYP.
736
1 234

**Flange mounted**
## N Plug to SMA Plug

## 5625-9503-000
Passivated stainless steel
Frequency range: DC –'18 Ghz

5/16 HEX
080
736
1 9/32

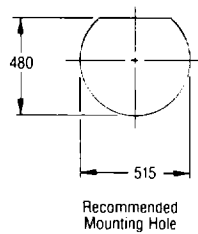See 5624 For Flange Detail
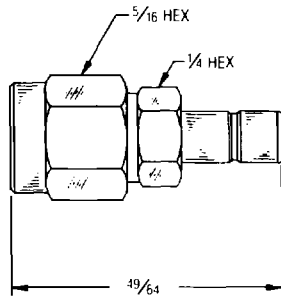
## SMA Plug to SMB Male Jack

### 5928-9503-000
Passivated stainless steel
Frequency range: DC – 4 Ghz

5/16 HEX
1/4 HEX
49/64
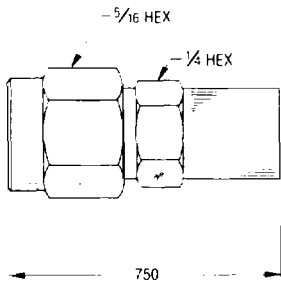
## SMA Plug to SMB Female Plug

### 5927-9503-000
Passivated stainless steel
Frequency range: DC – 4 Ghz

5/16 HEX
1/4 HEX
750

## SMA Jack to SMB Male Jack

### 5926-9503-000
Passivated stainless steel
Frequency range: DC – 4 Ghz

1/4 HEX
47/64

## SMA Jack to SMB Female Plug

### 5925-9503-000
Passivated stainless steel
Frequency range: DC – 4 Ghz

1/4 HEX
23/32

Flange mounted
## SMA Jack to SMB Male Jack

### 5929-9503-000
Passivated stainless steel
Frequency range: DC – 4 Ghz

1/2 SQ
102 DIA
4 PLACES
340
TYP
47/64

## SMA Plug to SMC Male Jack

### 5933-9503-000
Passivated stainless steel
Frequency range:  DC – 18 Ghz

## SMA Plug to SMC Female Plug

### 5932-9503-000
Passivated stainless steel
Frequency range:  DC – 18 Ghz

## SMA Jack to SMC Male Jack
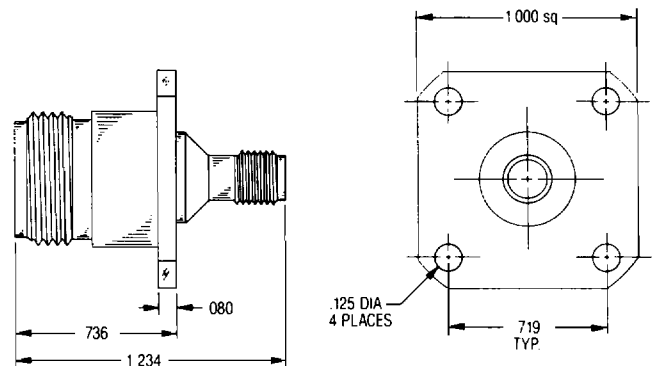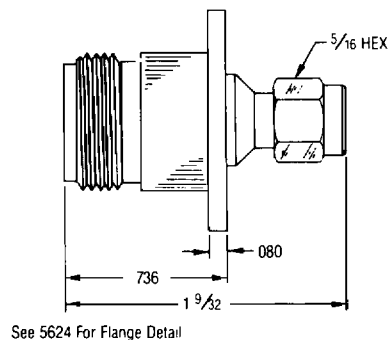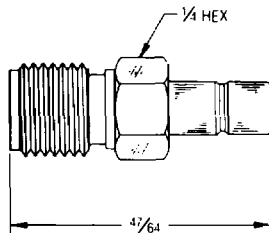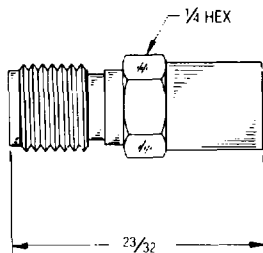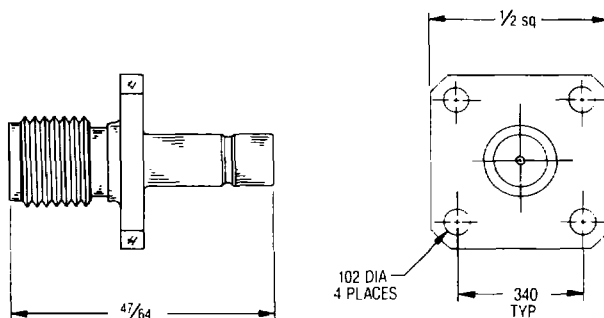
### 5931-9503-000
Passivated stainless steel
Frequency range:  DC – 18 Ghz

## SMA Jack to SMC Female Plug

### 5930-9503-000
Passivated stainless steel
Frequency range:  DC – 18 Ghz

Flange mounted
## SMA Jack to SMC Male Jack

### 5934-9503-000
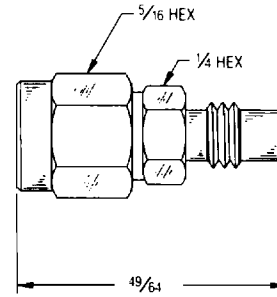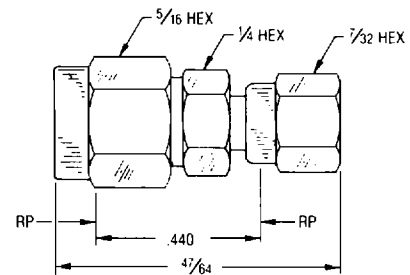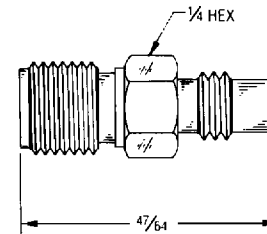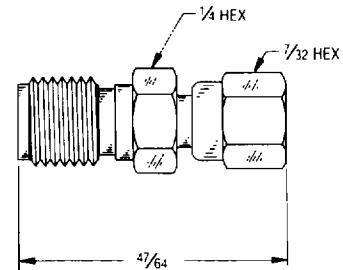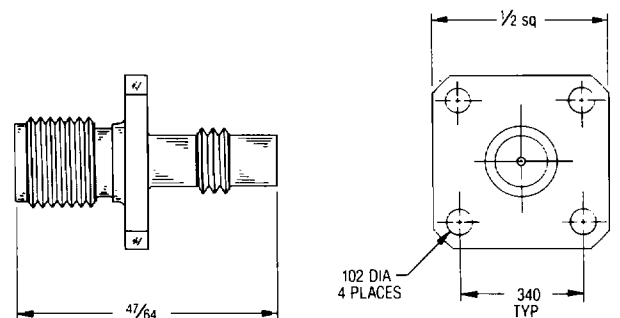Passivated stainless steel
Frequency range:  DC – 18 Ghz

7

# Subminiature Coaxial Connectors from AEP

The precision adapters shown in this brochure are only the latest addition to our product line. See our full-line catalogue for information on our thousands of varieties of subminiature coaxial connectors and cable assemblies, including:

**SMA**  AEP SMA connectors meet or exceed all requirements of MIL-C-39012. They are available in a wide variety of configurations for flexible or semi-rigid cable. We make receptacles for panel, bulkhead, P.C. board, stripline, and microstrip mounting. Our unique method of captivating contacts and insulators greatly reduces RF leakage by eliminating epoxy fill holes in the connector bodies. In addition, we have a complete line of launchers for use with hermetically sealed MIC packages.

**SMB/SMC**  SMB (Snap-on) and SMC (Screw-on) connectors meet or exceed all requirements of MIL-C-39012. These low-cost connectors are available with crimp or clamp termination for flexible cable or solder-clamp for semi-rigid. Our many varieties of receptacles for bulkhead, panel, P.C. Board, and stripline mounting provide design versatility. Nickel plated units are readily available for significant cost savings.

**SSMB and SSMC**  microminiature connectors have a mating design similar to SMB and SMC, but with overall size reduced by one-third. Their small size and snap-on mating make them ideal for use in confined areas where the use of wrenches is not practical. These rugged little connectors can withstand hundreds of mating cycles and still perform like new.

**75 ohm**  connectors for matched impedance in critical applications. These connectors are available with screw-on or snap-on interfaces, similar to SMC and SMB series.

**SLB**  series connectors are slide-on versions of SMB connectors. Their low insertion force makes them ideal for multiple use in rack and panel applications. They are available with float mounts and closed entry hoods to prevent damage from angular misalignment during mating.

**Cable Terminations**  are useful for terminating cables to bulkheads or printed circuit boards in applications not requiring disconnection. Use of cable terminations also eliminates the expense of a pair of connectors.

**Adapters**  within and between series are handy items for laboratory or front panel use. See our full-line catalogue for configurations.

**Precision Type N Plug**  for .141 semi-rigid cable. Our P/N 4000-1563-009 features easy one-step assembly, and has VSWR less than 1.20:1 to 18 GHz.

**Flexible Cable Assemblies**  are easier and less expensive to buy from us than to make yourself. We make assemblies with any size cable from RG 196 up to RG 214, with any connectors. A group of standard asemblies is shown in our full-line catalogue.

**Semi-rigid Cable Assemblies**  custom made to your specifications, with cable ranging in size from .085" up to .250" diameter. We build our own bending and trimming machinery to ensure quality and consistency.

# AEP APPLIED ENGINEERING PRODUCTS

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