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RF Coax Connectors

Between Series Adapters

Between Series Coaxial Transmission Line Adapters provide convenient transitions between popular series coaxial connectors. The adapter design provides a minimum length consistent with good electrical performance. The small size, low VSWR, and broad frequency coverage permits a wide range of applications in both measurement and systems use.

Design and Construction

The standard units are constructed of stainless steel with passivated finish, nickel plated brass, and gold plated brass. The material and plating is to be consistent with the basic connector series. All dielectrics are TFE fluorocarbon. The center contacts are made of beryllium copper, gold plated.

Types

The straight in-line adapters are available in many combinations of plug and jack (male and female) configurations. Also, popular panel mount versions are cataloged. For special modifications and hermetic seal version, consult AMP.

Application

The major application is the requirement for a low VSWR,

compact transition in both test system and operating systems. Many panel mount and bulkhead mount versions are available so the designer can use small size connectors for internal design, but adapt to a larger rugged version for external connection.

Selection charts follow to help you find the correct adapter for your application.

Plug-Plug

	N Series	OSP	OSP Bulkhead	BNC	TNC	7-16	SMB	SMA	OSMP	SSMT	OSMT	Series 1.0/2.3
MCX								Page 257				
N Series						Page 257						
BNC							Page 257					
TNC				Page 257								
Series 1.6/5.6				Page 257								Page 257
SMA 18 GHz	Page 257	Page 257	Page 257	Page 257	Page 257		Page 257		Page 257	Page 257	Page 257	

Jack-Jack

	MCX	N Series N Series Flange Mount N Series Bulkhead	OSP OSP Bulkhead OSP Floating Rear Mount	BNC BNC Bulkhead	TNC TNC Flange Mount TNC Bulkhead	7-16	SMB 75 OHM SMB	OSMP	SSMT	OSMT	Series 1.0/2.3	Series 1.6/5.6
N Series						Page 258						
BNC							Page 258					Page 260
TNC		Page 258		Page 258								
SMA SMA Bulkhead SMA 18 GHz	Page 258	Page 258 and 259	Page 259 and 260	Page 258	Page 258 and 259		Page 259	Page 259	Page 259	Page 259		
Series 1.0/2.3												Page 260



RF Coax Connectors

Between Series Adapters (Continued)

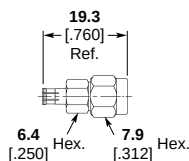
Jack-Plug

	7 mm	7 mm best VSWR	MCX	N Series N Series Flange Mount	OSP OSP Bulkhead	BNC	TNC	7-16	SMB	SMA SMA Flange Mount SMA 18 GHz	OSMP	SSMT + OSMT	DIN-Series 1.0/2.3	DIN-Series 1.6/5.6
7 mm				Page 260	Page 260		Page 260			Page 260				
7 mm best VSWR				Page 260			Page 260							
MCX										Page 260				
N Series N Series Flange Mount	Page 260	Page 261				Page 261	Page 261	Page 261		Page 261				
OSP OSP Bulkhead	Page 261									Page 261				
BNC				Page 261			Page 262		Page 262	Page 262				Page 264
TNC TNC Flange Mount	Page 262	Page 262		Page 262		Page 262				Page 262				
7-16				Page 262										
SMB 75 OHM SMB				Page 263		Page 262				Page 263				
SMA SMA Flange Mount SMA 18 GHz	Page 263		Page 263	Page 263 and 264	Page 264	Page 263	Page 263		Page 263		Page 263	Page 263		
OSMP										Page 264				
SSMT + OSMT										Page 264				
DIN-Series 1.0/2.3														Page 264
DIN-Series 1.6/5.6						Page 264							Page 264	

Between Series Adapters (Continued)

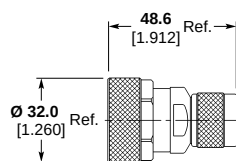
Plug-Plug

MCX Plug – SMA Plug



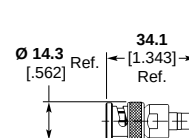
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7-16 Plug – N Series Plug



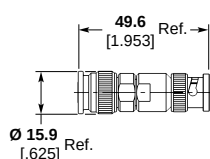
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BNC Plug – SMB Plug



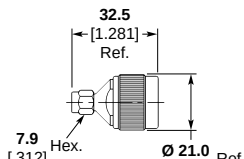
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TNC Plug – BNC Plug



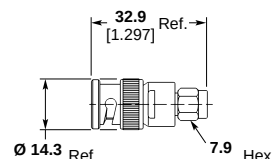
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SMA 18 GHz Plug – N Series Plug



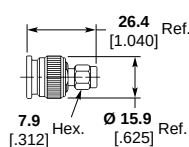
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SMA Plug – BNC Plug



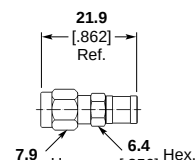
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SMA Plug – TNC Plug



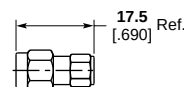
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SMA Plug – SMB Plug



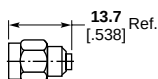
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SMA Plug – OSMP Plug



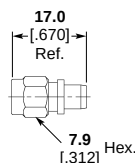
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SMA Plug – SSMT Plug or OSMT Plug



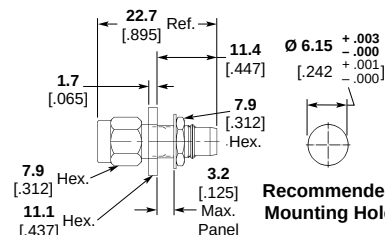
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SMA Plug – OSP Plug



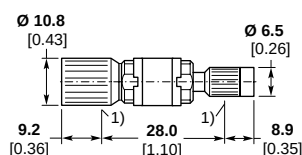
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SMA Plug – OSP Bulkhead Plug



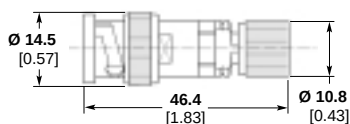
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Series 1.6/5.6 Plug – Series 1.0/2.3 Plug



Part No. 2-1393670-1
Coupling Type A

BNC Plug – Series 1.6/5.6 Plug



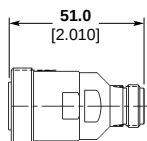
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1) Detent for jack

Between Series Adapters (Continued)

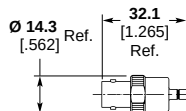
Jack-Jack

7-16 Jack – N Series Jack



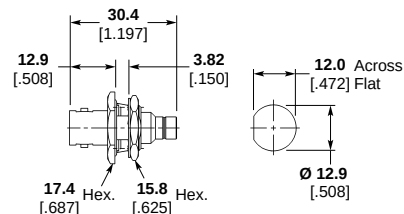
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BNC Jack – SMB Jack



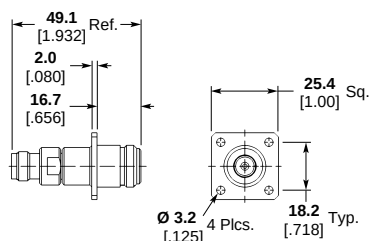
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BNC Jack – 75 ohm SMB Jack



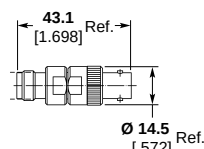
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TNC Jack – N Series Flange Mount Jack



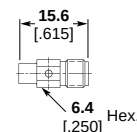
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TNC Jack – BNC Jack



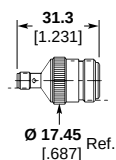
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MCX Jack – SMA Jack



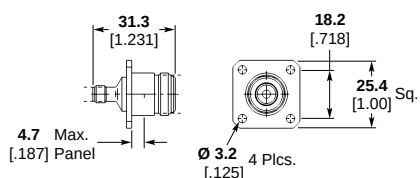
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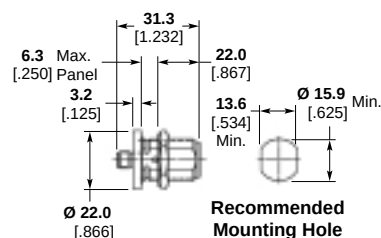
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SMA Jack – N Series Flange Mount



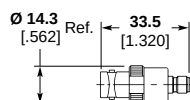
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SMA Jack – N Series Bulkhead Jack



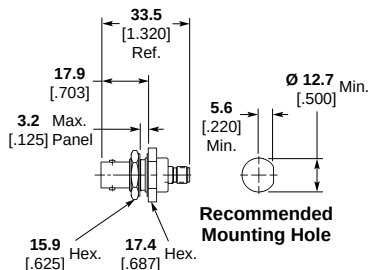
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SMA Jack – BNC Jack



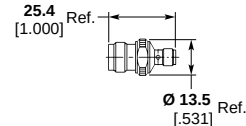
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BNC Bulkhead Jack – SMA Jack



Part No. 1058117-1
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TNC Jack – SMA Jack

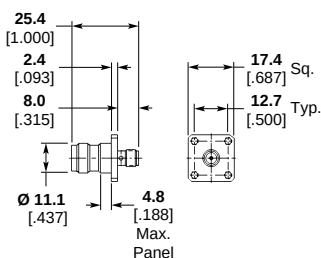


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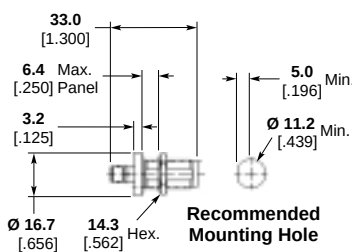
Jack-Jack (Continued)

TNC Flange Mount Jack – SMA Jack



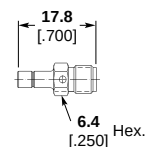
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SMA Jack – TNC Bulkhead Jack



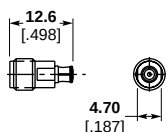
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SMB Jack – SMA Jack



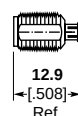
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SMA Jack – OSMP Jack



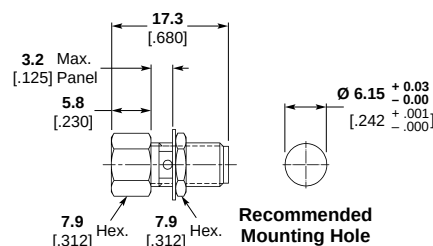
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SMA Jack – SSMT or OSMT Jack



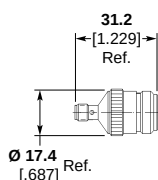
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OSP Jack – SMA Bulkhead Jack



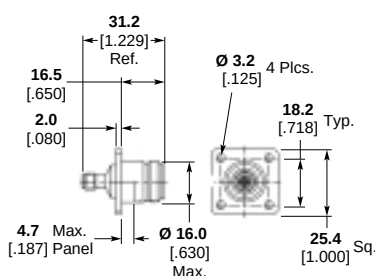
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SMA 18 GHz Jack – N Series Jack



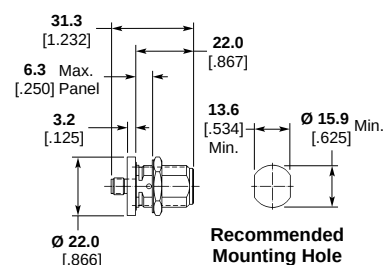
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SMA 18 GHz Jack – N Series Flange Mount Jack



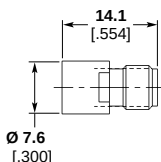
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SMA 18 GHz Jack – N Series Bulkhead



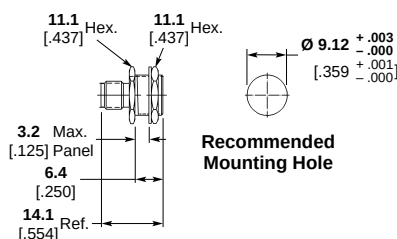
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OSP Jack – SMA Jack



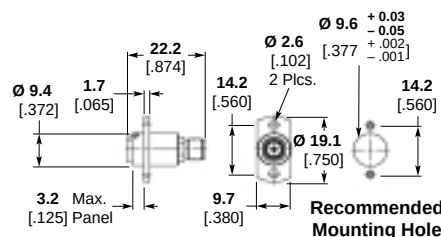
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SMA Jack – OSP Bulkhead Jack



Part No. 1059729-1
M/A-COM Model No. 4584-2240-02

OSP Floating Flange Mount Jack – SMA Jack

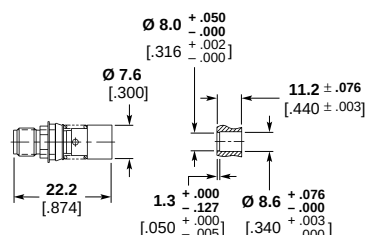


Part No. 1059731-1
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Between Series Adapters (Continued)

Jack-Jack (Continued)

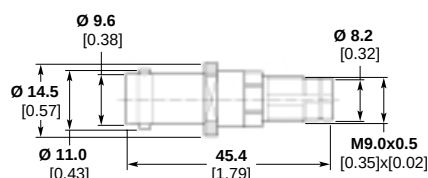
**SMA Jack –
OSP Floating Rear Mount Jack**



**Recommended
Mounting Hole**

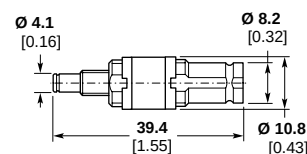
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**BNC Jack –
Series 1.6/5.6 Jack**



Part No. 1-1393665-5

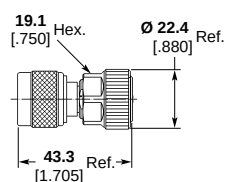
**Series 1.0/2.3 Jack –
Series 1.6/5.6 Jack**



Part No. 2-1393670-4
Coupling Type A, B, F

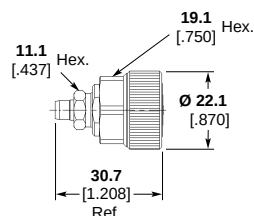
Jack-Plug

N Series Plug to 7 mm Jack



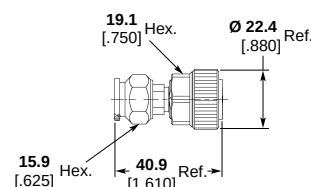
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M/A-COM Model No. 7081-5008-00

OSP Plug to 7 mm Jack



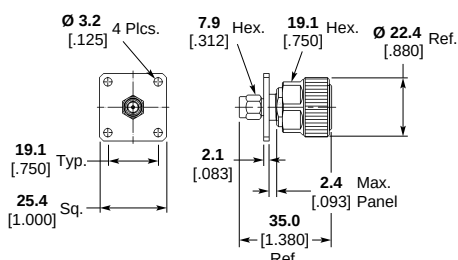
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TNC Plug to 7 mm Jack



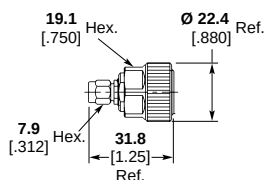
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SMA Flange Mount Plug to 7 mm Jack



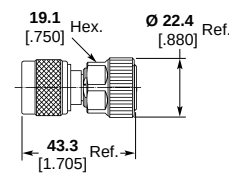
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SMA Plug to 7 mm Jack



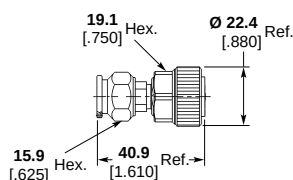
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N Series Plug to 7 mm Best VSWR Jack



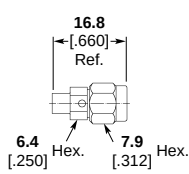
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TNC Plug to 7 mm Best VSWR Jack



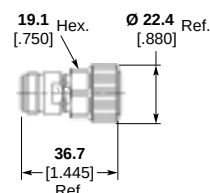
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MCX Jack – SMA Plug



Part No. 1061073-1
M/A-COM Model No. 5882-2241-00

N Series Jack – 7 mm Plug

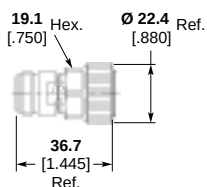


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Between Series Adapters (Continued)

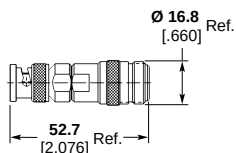
Jack-Plug (Continued)

N Series Jack – 7 mm Best VSWR Plug



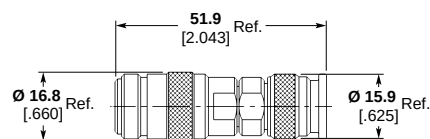
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BNC Plug – N Series Jack



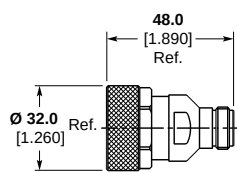
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N Series Jack – TNC Plug



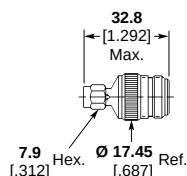
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M/A-COM Model No. 3082-2311-00

7-16 Plug – N Series Jack



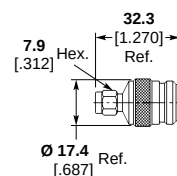
Part No. 1311205-1
M/A-COM Model No. A55P21E999X

SMA Plug – N Series Jack



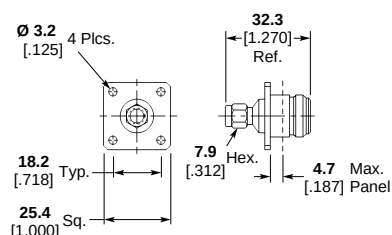
Part No. 1057381-1
M/A-COM Model No. 3082-2241-00

SMA 18 GHz Plug – N Series Jack



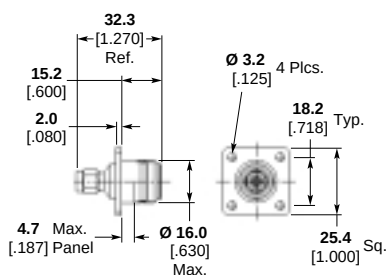
Part No. 1058664-1
M/A-COM Model No. 3682-2241-00

SMA Plug – N Series Flange Mount Jack



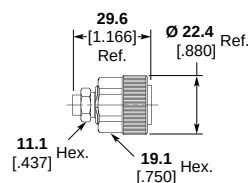
Part No. 1057385-1
M/A-COM Model No. 3082-2243-00

SMA 18 GHz Plug – N Series Flange Mount Jack



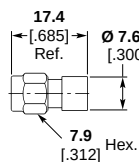
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M/A-COM Model No. 3682-2243-00

OSP Jack – 7 mm Plug



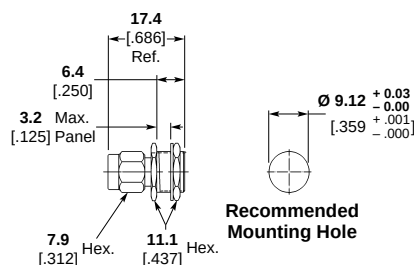
Part No. 1059720-1
M/A-COM Model No. 4582-2700-00

SMA Plug – OSP Jack



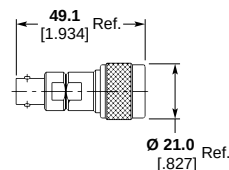
Part No. 1059718-1
M/A-COM Model No. 4582-2241-02

SMA Plug – OSP Bulkhead Jack



Part No. 1059758-1
M/A-COM Model No. 4585-2241-02

BNC Jack – N Series Plug

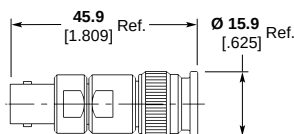


Part No. 1057390-1
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Between Series Adapters (Continued)

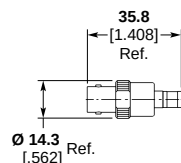
Jack-Plug (Continued)

BNC Jack – TNC Plug



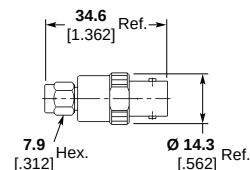
Part No. 1057858-1
M/A-COM Model No. 3182-2320-00

BNC Jack – SMB Plug



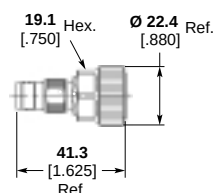
Part No. 1058077-1
M/A-COM Model No. 3282-2223-00

SMA Plug – BNC Jack



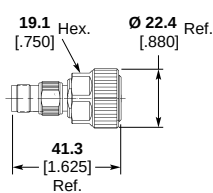
Part No. 1058083-1
M/A-COM Model No. 3282-2241-00

TNC Jack – 7 mm Plug



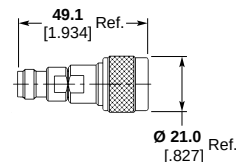
Part No. 1061753-1
M/A-COM Model No. 7082-2310-00

TNC Jack – 7 mm Best VSWR Plug



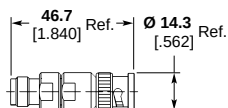
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M/A-COM Model No. 7082-5005-00

TNC Jack – N Series Plug



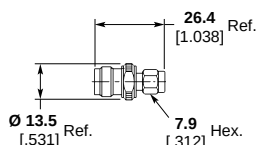
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M/A-COM Model No. 3182-2310-00

TNC Jack – BNC Plug



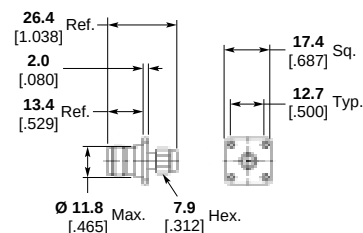
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M/A-COM Model No. 3182-2321-00

TNC Jack – SMA Plug



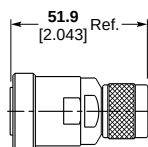
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M/A-COM Model No. 3182-2241-00

TNC Flange Mount Jack – SMA Plug



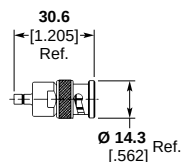
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M/A-COM Model No. 3182-2243-00

7-16 Jack – N Series Plug



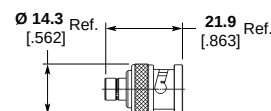
Part No. 1312078-1
M/A-COM Model No. A55P24E999X

SMB Jack – BNC Plug



Part No. 1058079-1
M/A-COM Model No. 3282-2224-00

75 Ohm SMB Jack – BNC Plug

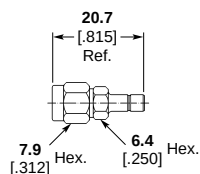


Part No. 1311208-1
M/A-COM Model No. A57P01T999X

Between Series Adapters (Continued)

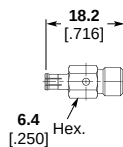
Jack-Plug (Continued)

SMA Plug – SMB Jack



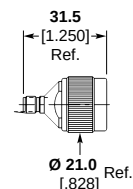
Part No. 1060500-1
M/A-COM Model No. 5182-2241-00

SMA Jack – MCX Plug



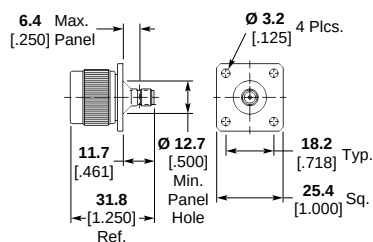
Part No. 1061072-1
M/A-COM Model No. 5882-2240-00

SMA Jack – N Series Plug



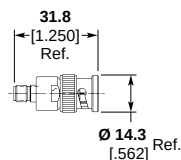
Part No. 1057377-1
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N Series Flange Mount Plug – SMA Jack



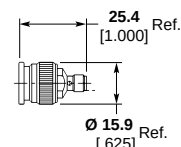
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M/A-COM Model No. 3082-2242-00

SMA Jack – BNC Plug



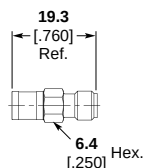
Part No. 1058081-1
M/A-COM Model No. 3282-2240-00

TNC Plug – SMA Jack



Part No. 1057853-1
M/A-COM Model No. 3182-2240-00

SMA Jack – SMB Plug



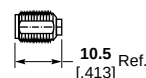
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M/A-COM Model No. 5182-2240-00

SMA Jack – OSMP Plug



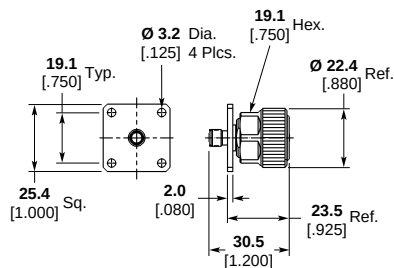
Part No. 1056707-1
M/A-COM Model No. 2982-2240-00

SMA Jack – SSMT or OSMT Plug



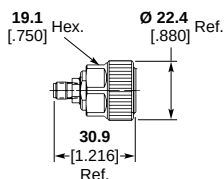
Part No. 1055696-1
M/A-COM Model No. 2382-2240-00

SMA Flange Mount Jack – 7 mm Plug



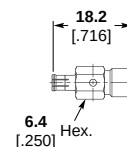
Part No. 1061750-1
M/A-COM Model No. 7082-2242-00

SMA 18 GHz Jack – 7 mm Plug



Part No. 1053788-1
M/A-COM Model No. 2082-2700-00

MCX Plug – SMA Jack

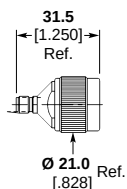


Part No. 1061072-1
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Between Series Adapters (Continued)

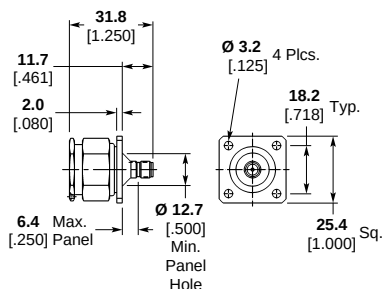
Jack-Plug (Continued)

SMA 18 GHz Jack – N Series Plug



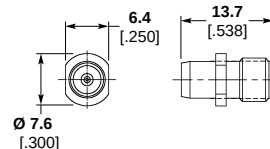
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N Series Flange Mount Plug – SMA 18 GHz Jack



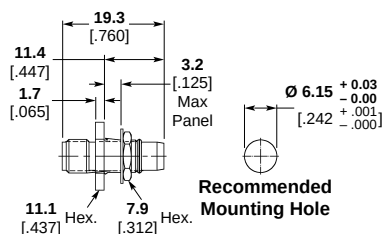
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M/A-COM Model No. 3682-2242-00

OSP Plug – SMA Jack



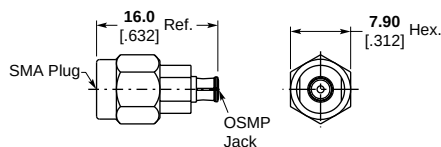
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M/A-COM Model No. 4582-2240-02

SMA 18 GHz Jack – OSP Bulkhead Plug



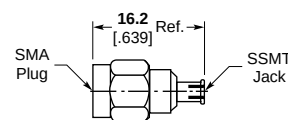
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OSMP Jack – SMA Plug



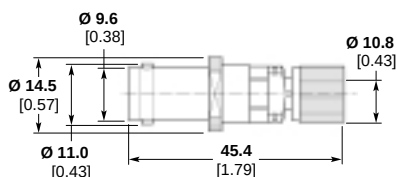
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SSMT or OSMT Jack – SMA Plug



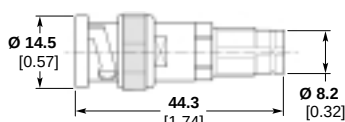
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M/A-COM Model No. 2382-2241-00

BNC Jack – Series 1.6/5.6 Plug



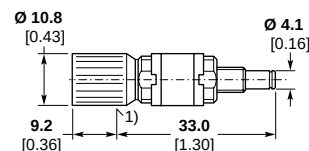
Part No. 1-1393665-7

BNC Plug – Series 1.6/5.6 Jack



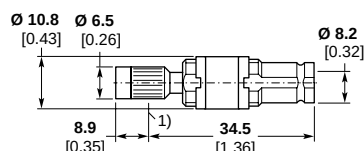
Part No. 1-1393665-6

Series 1.6/5.6 Plug – Series 1.0/2.3 Jack



Part No. 2-1393670-2
Coupling Type A, B², F²

Series Plug 1.0/2.3 – Series 1.6/5.6 Jack



Part No. 2-1393670-3
Coupling Type A, B², F²

1) Detent for jack
2) Only jackside