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AMP

RF Coax Connectors

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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

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Between Series Adapters (Continued)

Jack-Plug

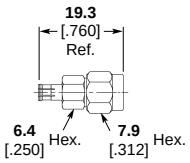
	7 mm	7 mm best VSWR	MCX	N Series N Series Flange Mount	OSP OSP Bulkhead	BNC	TNC	7-16	SMB	SMA SMA Flange Mount SMA 18 GHz	OSMP	SSMT + OSMT	DIN-Series 1.0/2.3	DIN-Series 1.6/5.6
7 mm				Page 260	Page 260		Page 260			Page 260				
7 mm best VSWR				Page 260			Page 260							
MCX										Page 260				
N Series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

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Between Series Adapters (Continued)

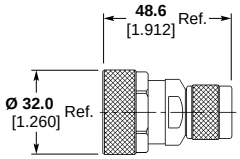
Plug-Plug

MCX Plug – SMA Plug



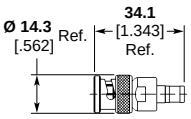
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7-16 Plug – N Series Plug



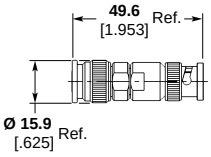
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M/A-COM Model No. A55P23E999X

BNC Plug – SMB Plug



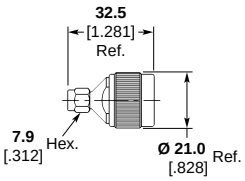
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M/A-COM Model No. 3281-2223-00

TNC Plug – BNC Plug



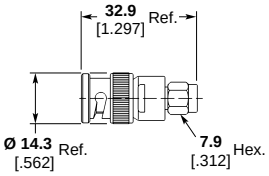
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SMA 18 GHz Plug – N Series Plug



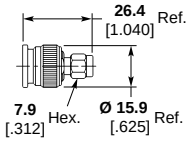
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M/A-COM Model No. 3081-2241-00

SMA Plug – BNC Plug



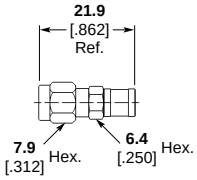
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SMA Plug – TNC Plug



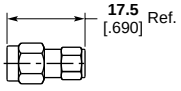
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SMA Plug – SMB Plug



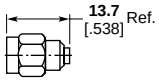
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SMA Plug – OSMP Plug



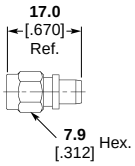
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M/A-COM Model No. 2981-2241-00

SMA Plug – SSMT Plug or OSMT Plug



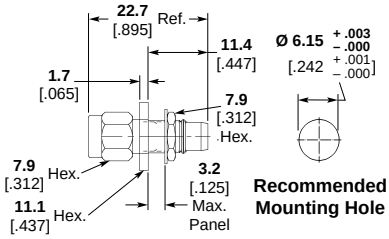
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SMA Plug – OSP Plug



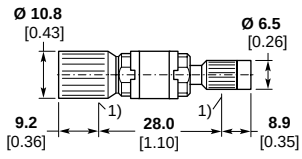
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M/A-COM Model No. 4581-2241-02

SMA Plug – OSP Bulkhead Plug



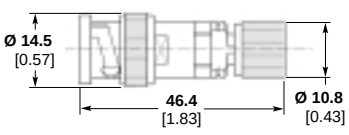
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Series 1.6/5.6 Plug – Series 1.0/2.3 Plug



Part No. 2-1393670-1
Coupling Type A

BNC Plug – Series 1.6/5.6 Plug



Part No. 1-1393665-4

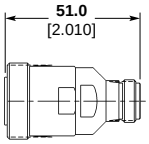
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Between Series Adapters (Continued)

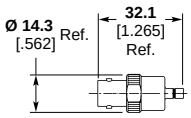
Jack-Jack

7-16 Jack – N Series Jack



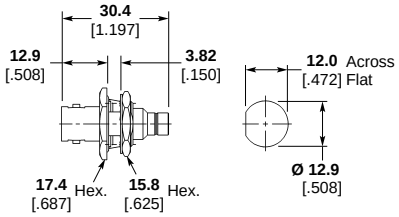
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M/A-COM Model No. A55P22E999X

BNC Jack – SMB Jack



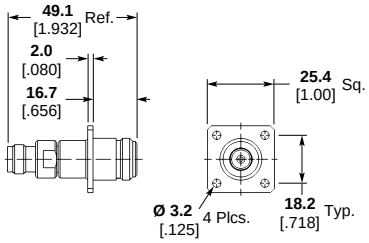
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M/A-COM Model No. 3280-2224-00

BNC Jack – 75 ohm SMB Jack



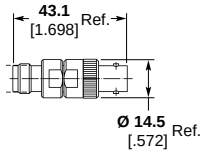
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TNC Jack – N Series Flange Mount Jack



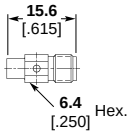
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TNC Jack – BNC Jack



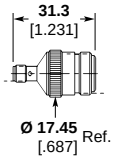
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MCX Jack – SMA Jack



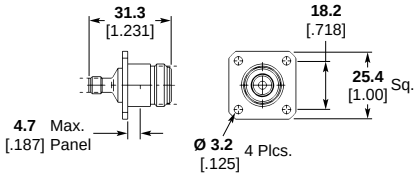
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SMA Jack – N Series Jack



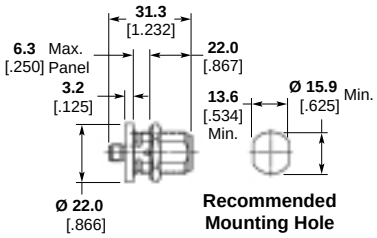
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SMA Jack – N Series Flange Mount



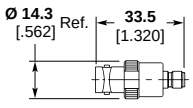
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SMA Jack – N Series Bulkhead Jack



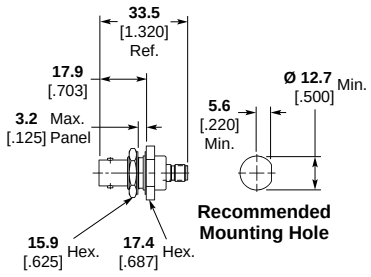
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SMA Jack – BNC Jack



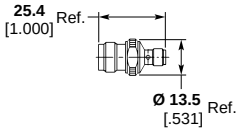
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BNC Bulkhead Jack – SMA Jack



Part No. 1058117-1
M/A-COM Model No. 3284-2240-00

TNC Jack – SMA Jack



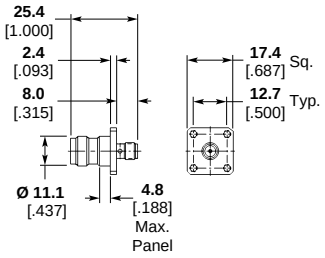
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Between Series Adapters (Continued)

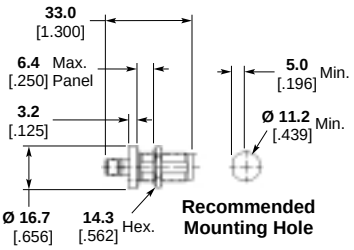
Jack-Jack (Continued)

TNC Flange Mount Jack – SMA Jack



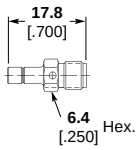
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SMA Jack – TNC Bulkhead Jack



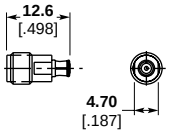
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SMB Jack – SMA Jack



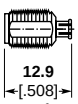
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SMA Jack – OSMP Jack



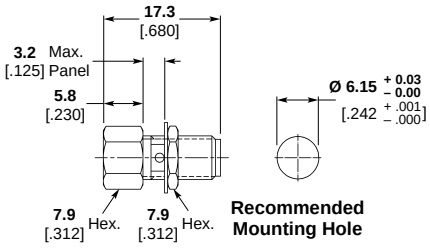
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SMA Jack – SSMT or OSMT Jack



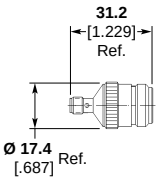
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OSP Jack – SMA Bulkhead Jack



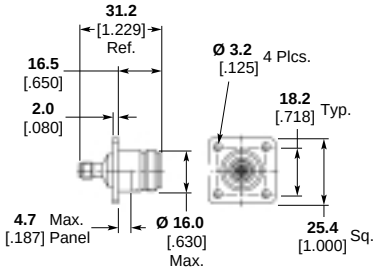
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SMA 18 GHz Jack – N Series Jack



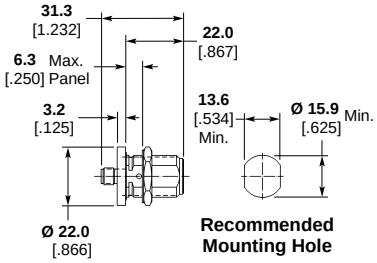
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SMA 18 GHz Jack – N Series Flange Mount Jack



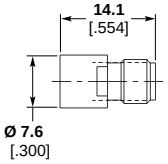
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SMA 18 GHz Jack – N Series Bulkhead



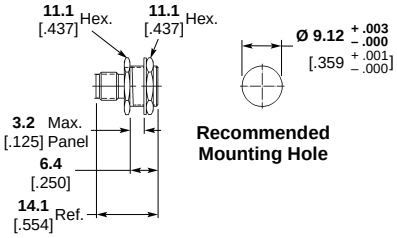
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M/A-COM Model No. 3684-2240-00

OSP Jack – SMA Jack



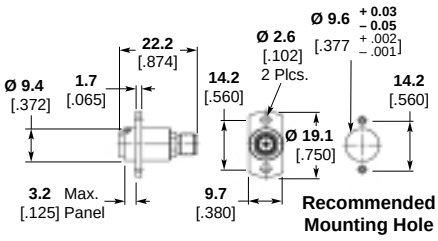
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M/A-COM Model No. 4580-2240-02

SMA Jack – OSP Bulkhead Jack



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

OSP Floating Flange Mount Jack – SMA Jack



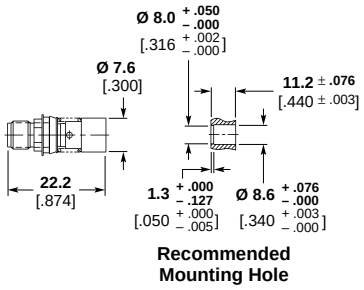
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M/A-COM Model No. 4584-2242-02

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Between Series Adapters (Continued)

Jack-Jack (Continued)

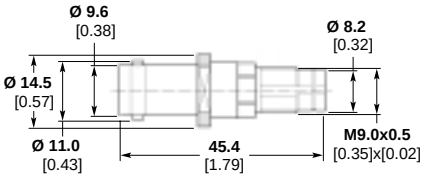
SMA Jack – OSP Floating Rear Mount Jack



Recommended Mounting Hole

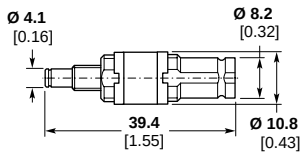
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M/A-COM Model No. 4583-2240-02

BNC Jack – Series 1.6/5.6 Jack



Part No. 1-1393665-5

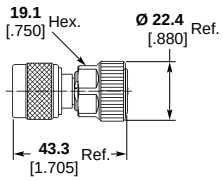
Series 1.0/2.3 Jack – Series 1.6/5.6 Jack



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

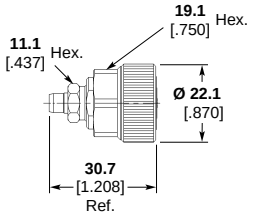
Jack-Plug

N Series Plug to 7 mm Jack



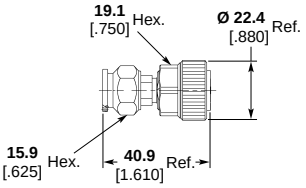
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M/A-COM Model No. 7081-5008-00

OSP Plug to 7 mm Jack



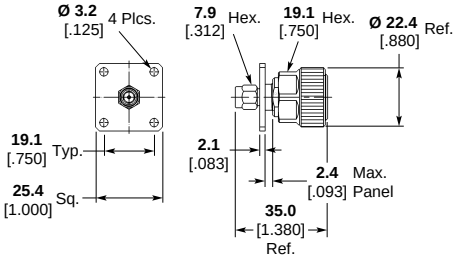
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M/A-COM Model No. 4581-2700-00

TNC Plug to 7 mm Jack



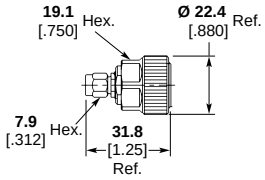
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M/A-COM Model No. 7081-2311-00

SMA Flange Mount Plug to 7 mm Jack



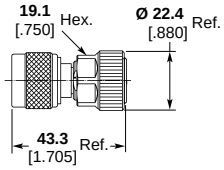
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M/A-COM Model No. 7082-2243-00

SMA Plug to 7 mm Jack



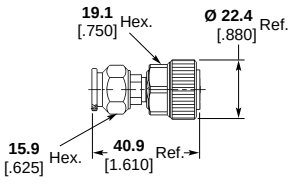
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N Series Plug to 7 mm Best VSWR Jack



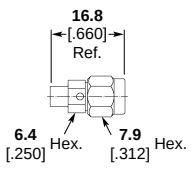
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M/A-COM Model No. 7081-2301-00

TNC Plug to 7 mm Best VSWR Jack



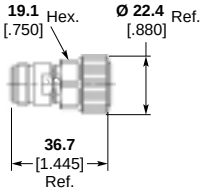
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MCX Jack – SMA Plug



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

N Series Jack – 7 mm Plug



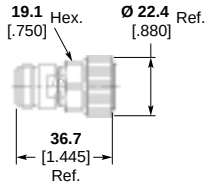
Part No. 1061757-1
M/A-COM Model No. 7082-5001-00

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Between Series Adapters (Continued)

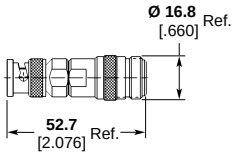
Jack-Plug (Continued)

N Series Jack – 7 mm Best VSWR Plug



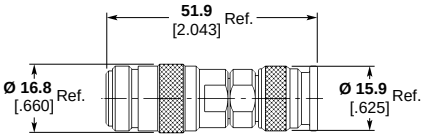
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M/A-COM Model No. 7082-2300-00

BNC Plug – N Series Jack



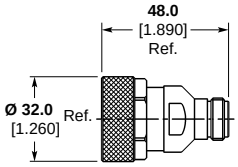
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M/A-COM Model No. 3082-2321-00

N Series Jack – TNC Plug



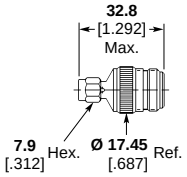
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7-16 Plug – N Series Jack



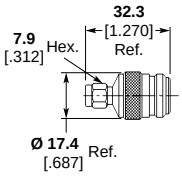
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SMA Plug – N Series Jack



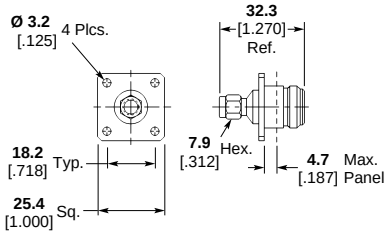
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M/A-COM Model No. 3082-2241-00

SMA 18 GHz Plug – N Series Jack



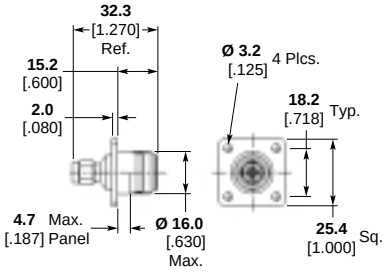
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SMA Plug – N Series Flange Mount Jack



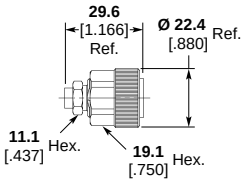
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SMA 18 GHz Plug – N Series Flange Mount Jack



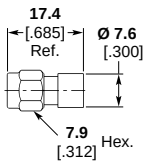
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OSP Jack – 7 mm Plug



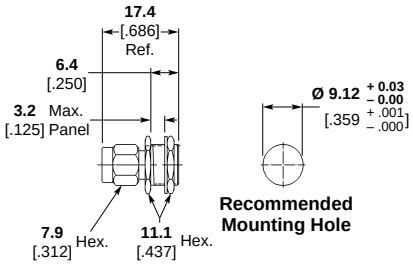
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SMA Plug – OSP Jack



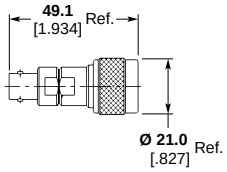
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M/A-COM Model No. 4582-2241-02

SMA Plug – OSP Bulkhead Jack



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

BNC Jack – N Series Plug



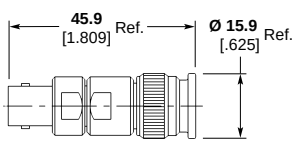
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Between Series Adapters (Continued)

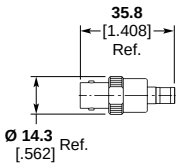
Jack-Plug (Continued)

BNC Jack – TNC Plug



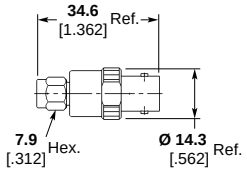
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M/A-COM Model No. 3182-2320-00

BNC Jack – SMB Plug



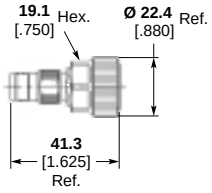
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M/A-COM Model No. 3282-2223-00

SMA Plug – BNC Jack



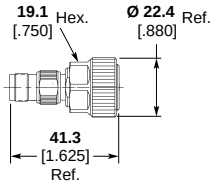
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M/A-COM Model No. 3282-2241-00

TNC Jack – 7 mm Plug



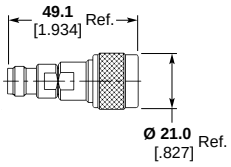
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TNC Jack – 7 mm Best VSWR Plug



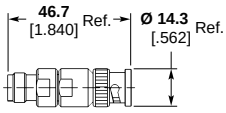
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TNC Jack – N Series Plug



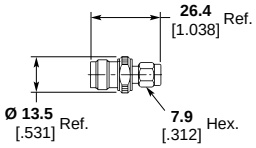
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TNC Jack – BNC Plug



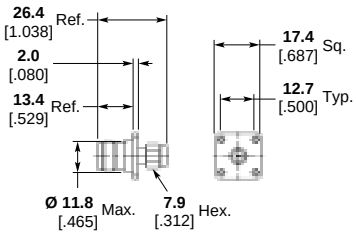
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TNC Jack – SMA Plug



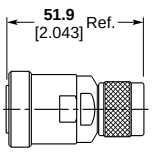
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TNC Flange Mount Jack – SMA Plug



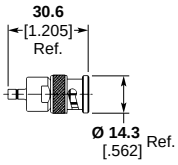
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7-16 Jack – N Series Plug



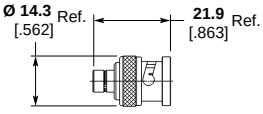
Part No. 1312078-1
M/A-COM Model No. A55P24E999X

SMB Jack – BNC Plug



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

75 Ohm SMB Jack – BNC Plug



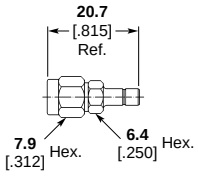
Part No. 1311208-1
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Between Series Adapters (Continued)

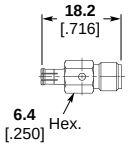
Jack-Plug (Continued)

SMA Plug – SMB Jack



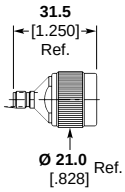
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SMA Jack – MCX Plug



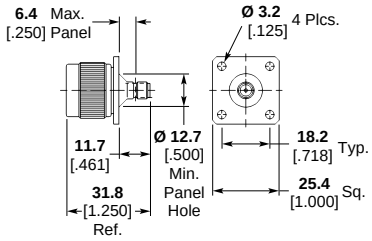
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M/A-COM Model No. 5882-2240-00

SMA Jack – N Series Plug



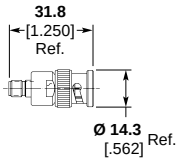
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M/A-COM Model No. 3082-2240-00

N Series Flange Mount Plug – SMA Jack



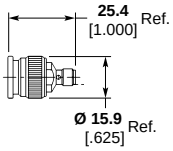
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M/A-COM Model No. 3082-2242-00

SMA Jack – BNC Plug



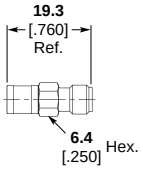
Part No. 1058081-1
M/A-COM Model No. 3282-2240-00

TNC Plug – SMA Jack



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

SMA Jack – SMB Plug



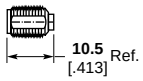
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SMA Jack – OSMP Plug



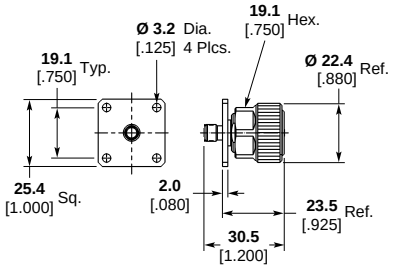
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SMA Jack – SSMT or OSMT Plug



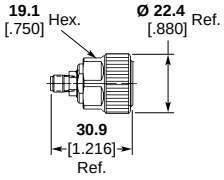
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M/A-COM Model No. 2382-2240-00

SMA Flange Mount Jack – 7 mm Plug



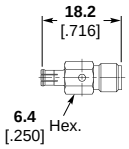
Part No. 1061750-1
M/A-COM Model No. 7082-2242-00

SMA 18 GHz Jack – 7 mm Plug



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

MCX Plug – SMA Jack

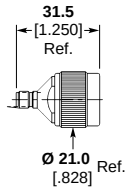


Part No. 1061072-1
M/A-COM Model No. 5882-2240-00

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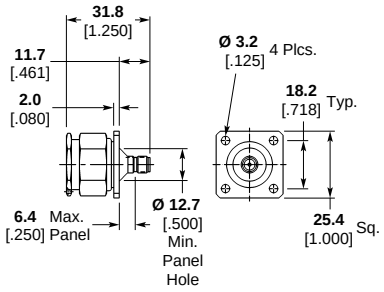
Jack-Plug (Continued)

SMA 18 GHz Jack – N Series Plug



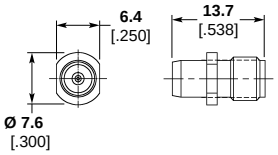
Part No. 1057377-1
M/A-COM Model No. 3082-2240-00

N Series Flange Mount Plug – SMA 18 GHz Jack



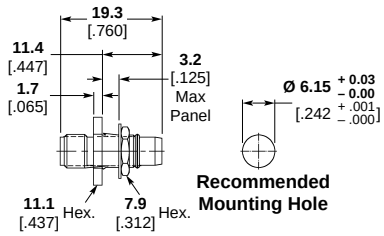
Part No. 1058666-1
M/A-COM Model No. 3682-2242-00

OSP Plug – SMA Jack



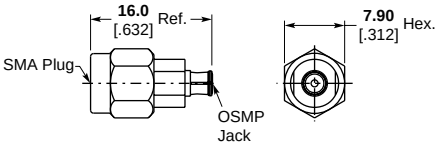
Part No. 1059716-1
M/A-COM Model No. 4582-2240-02

SMA 18 GHz Jack – OSP Bulkhead Plug



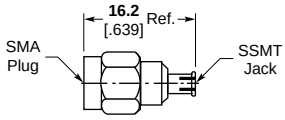
Part No. 1059756-1
M/A-COM Model No. 4585-2240-02

OSMP Jack – SMA Plug



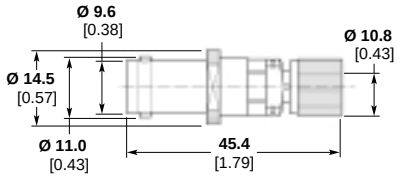
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M/A-COM Model No. 2982-2241-00

SSMT or OSMT Jack – SMA Plug



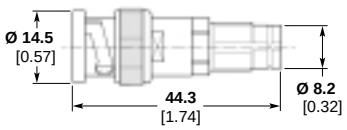
Part No. 1055697-1
M/A-COM Model No. 2382-2241-00

BNC Jack – Series 1.6/5.6 Plug



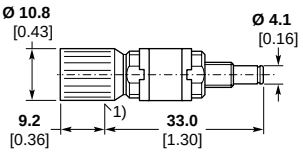
Part No. 1-1393665-7

BNC Plug – Series 1.6/5.6 Jack



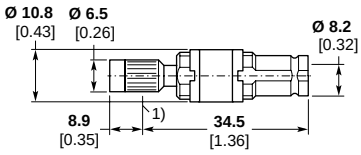
Part No. 1-1393665-6

Series 1.6/5.6 Plug – Series 1.0/2.3 Jack



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

Series Plug 1.0/2.3 – Series 1.6/5.6 Jack



Part No. 2-1393670-3
Coupling Type A, B[2], F[2]

1) Detent for jack
2 Only jackside

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