

SMA STAINLESS STEEL: Specifications & Interface Dimensions

MATERIALS:

Body, Body Components: Stainless Steel, per ASTM A582
 Female Contacts: Beryllium Copper per ASTM B196
 Male Contacts: Brass per ASTM B16 1/2 HD
 Insulators: Teflon per ASTM D1710
 Crimp Ferrule: Annealed Copper Alloy
 Gaskets: Silicone Rubber per ZZ-R-765

Finish:

Center Contact: Gold per MIL-G-45204
 Other Metal Parts: Gold Plated or Passivated to Meet The Finish and Corrosion Requirements of MIL-C-39012

MATING CHARACTERISTICS:

Engagements Forces: Torque: 2 Inch-Pounds Maximum
 Mating Torque: 7 to 10 Inch-Pounds
 Coupling Proof Torque: 15 Inch-Pounds Minimum
 Coupling Nut Retention: 60 lbs. Minimum

ELECTRICAL:

Impedance: 50 Ohms Nominal
 Frequency Range: 0 to 18.0 GHz

Voltage Rating (VRMS):	Sea Level	70K Feet
Connectors for RG-196	170	45
Connectors for RG-316	250	65
Connectors for RG-142	335	85

Insulation Resistance: 5000 Megohms Minimum

Contact Resistance: (Milliohms Maximum)

	Initial	After Environment
Center Contact	3.0	4.0
Outer Contact	2.0	3.0
Braid to Body	0.5	N/A

Voltage Standing Wave Ratio (VSWR):

	Straight	Right Angle
RG-196 Braided	1.20+ .025F	1.20+ .03F
RG-316 Braided	1.15+ .02F	1.15+ .03F
RG-142 Braided	1.15+ .01F	1.15+ .02F

ELECTRICAL:

Dielectric Withstanding Voltage (DWV) at Sea Level:

Connectors for RG-178	500 VRMS
Connectors for RG-316	750 VRMS
Connectors for RG-142	1000 VRMS

Corona Level:

Volts @ 70K Feet

Connectors for RG-196	125 Minimum
Connectors for RG-316	190 Minimum
Connectors for RG-142	250 Minimum

RF High Potential Withstanding Voltage:

Frequency: 5 MHz

Leakage Current: N/A

Connectors for RG-178	335 VRMS
Connectors for RG-316	500 VRMS
Connectors for RG-142	670 VRMS

R.F. Leakage: -60 dB Minimum @ 2-3 GHz

ENVIRONMENTAL:

Operating Temperature: -65°C to +165°C

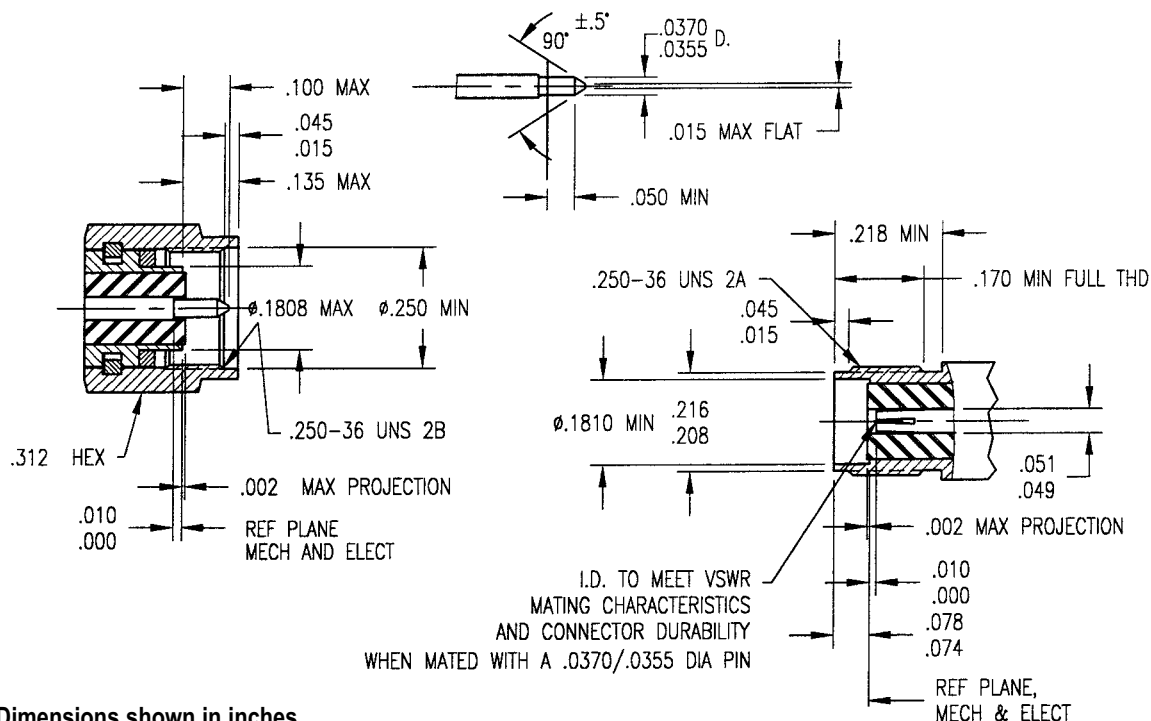
Corrosion (Salt Spray): MIL-STD-202, Method 101, Condition B

Vibration, High Frequency: MIL-STD-204, Condition D, (20 G's)

Shock: MIL-STD-202, Method 204, Test Condition I, (100 G's)

Temperature Cycling: MIL-STD-202, Method 102, Condition C

Moisture Resistance: MIL-STD-202, Method 106



Note: Dimensions shown in inches.

Winchester/Retconn

SMA STAINLESS STEEL: Solder, Semi-rigid Cable

Straight Plug

Figure 1

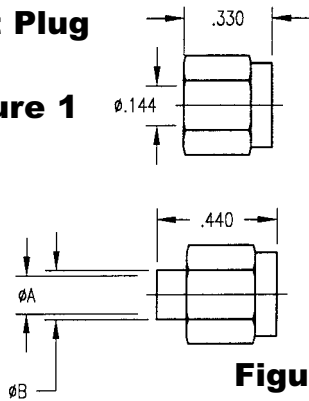
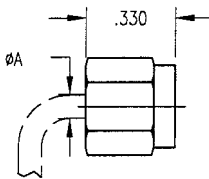


Figure 2

Part Number	Cable	FIG.	A	B	Contact	Insulator	Cable Assy. Procedure
250-500-1410G	.141 SR	1	-	-	without	without	5-01
250-500-1411G	.141 SR	2	.144	.180	without	without	5-01
250-500-0850G	.085 SR	2	.089	.120	with	unassembled	5-02
250-500-0858G	.085 SR	2	.089	.120	with	assembled	5-02
250-500-1412G	.141 SR	2	.144	.180	with	unassembled	5-02
250-500-1418G	.141 SR	2	.144	.180	with	assembled	5-02

- See pages 85,86 for cable assembly procedures: 5-01,5-02
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

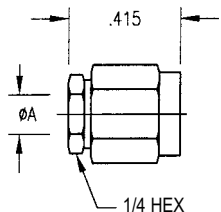
Straight Plug (Low Profile) With Center Contact



Part Number	Cable	A
250-500-0853G	.085 SR	.086
250-500-1413G	.141 SR	.141

- See page 86 for cable assembly procedures: No. 5-02
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

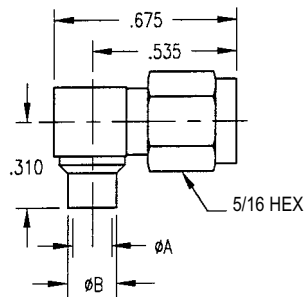
Straight Plug (Low Profile)



Part Number	Cable	A	Contact	Insulator	Cable Assy. Procedure
250-500-0855G	.085 SR	.089	with	assembled	5-02
250-500-1415G	.141 SR	.144	with	assembled	5-02
250-500-1414G	.141 SR	.144	without	without	5-01

- See pages 85,86 for cable assembly procedures: 5-01,5-02
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Right Angle Plug



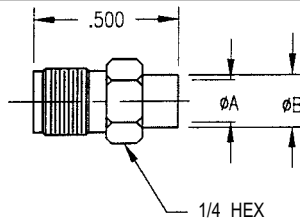
Part Number	Cable	A	B
252-500-0850G	.085 SR	.089	.120
252-500-1410G	.141 SR	.144	.180

- See page 87 for cable assembly procedures: No. 5-03
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Note: Dimensions shown in inches.

SMA STAINLESS STEEL: Solder, Semi-rigid Cable

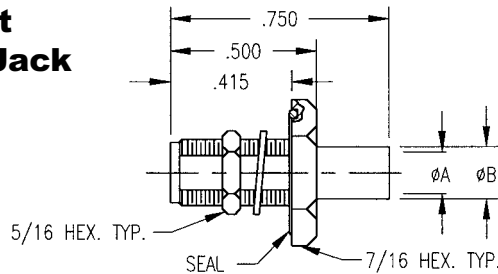
Straight Jack



Part Number	Cable	A	B
251-500-0850G	.085 SR	.089	.120
251-500-1410G	.141 SR	.144	.180

- See page 86 for cable assembly procedures: No. 5-02
- Part number shown is for gold plated.

Straight Bulkhead Jack



Part Number	Cable	A	B	Mounting Hole
251-575-0850G	.085 SR	.089	.120	No. 075
251-575-1410G	.141 SR	.144	.180	No. 075

- See page 83 for mounting hole layout.
- See page 86 for cable assembly procedures: No. 5-02
- Part number shown is for gold plated.

Straight Jack Flange Mount

Figure 1

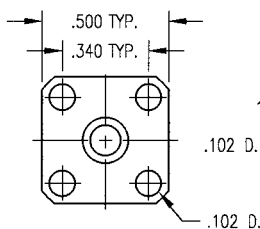
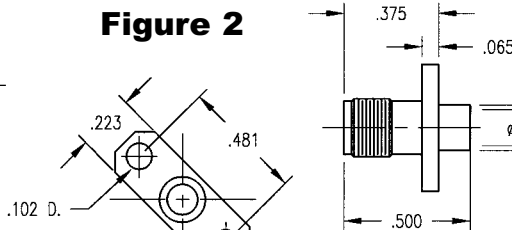


Figure 2

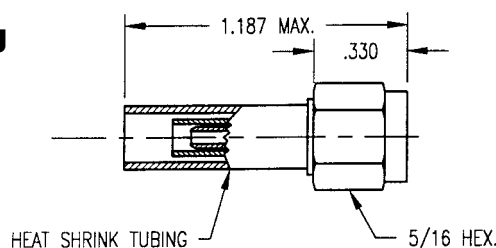


Part Number	Cable	A	B	Mounting Hole	Figure
251-565-0850G	.085 SR	.089	.120	No. 065	1
251-565-1410G	.141 SR	.144	.180	No. 065	1
251-566-0850G	.085 SR	.089	.120	No. 066	2
251-566-1410G	.141 SR	.144	.180	No. 066	2

- See page 83 for mounting hole layout.
- See page 86 for cable assembly procedures: No. 5-02
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

SMA STAINLESS STEEL: Solder Flexible Cable

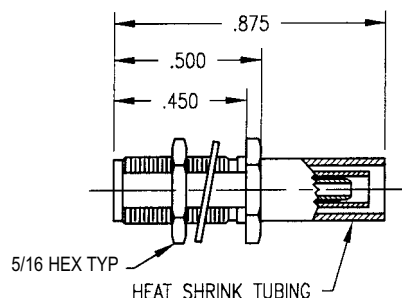
Straight Plug Non-Captive Contact



Part Number	Cable
250-500-0630G	RG-316
250-500-0631G	RG-316 double shielded
250-500-1160G	RG-303, 141
250-500-1161G	RG-142, 400

- See page 88 for cable assembly procedures: No. 5-04
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Straight Bulkhead Jack Non-Captive Contact



Part Number	Cable	Mounting Hole
251-575-0630G	RG-316	No. 075
251-575-0631G	RG-316 double shielded	No. 075
251-575-1160G	RG-303, 141	No. 075
251-575-1161G	RG-142, 400	No. 075

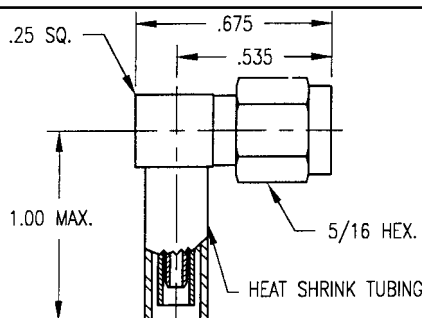
- See page 83 for mounting hole layout.
- See page 88 for cable assembly procedures: No. 5-04
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Note: Dimensions shown in inches.

Winchester/Retconn

SMA STAINLESS STEEL: Solder Flexible Cable

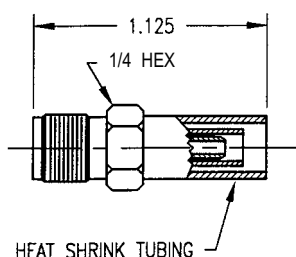
12.4 GHz Right Angle Plug



Part Number	Cable
252-500-0630G	RG-316
252-500-0631G	RG-316 double shielded
252-500-1160G	RG-303, 141
252-500-1161G	RG-142, 400

- See page 89 for cable assembly procedures: No. 5-05
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Straight Jack Non-Captive Contact

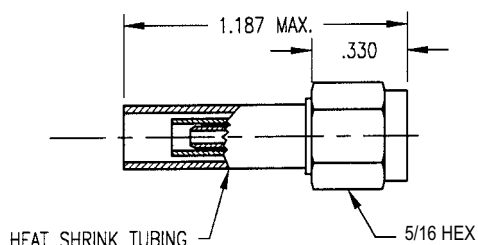


Part Number	Cable
251-500-0630G	RG-316
251-500-0631G	RG-316 double shielded
251-500-1160G	RG-303, 141
251-500-1161G	RG-142, 400

- See page 88 for cable assembly procedures: No. 5-04
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

SMA STAINLESS STEEL: Crimp Flexible Cable

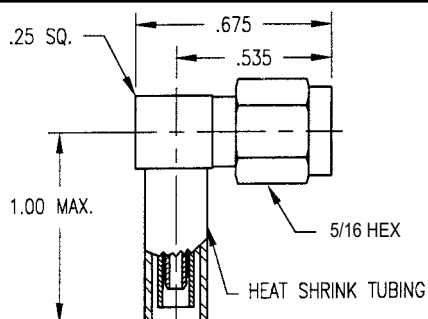
Straight Plug Non-Captive Contact



Part Number	Cable
250-900-0630G	RG-316
250-900-0631G	RG-316 double shielded
250-900-1160G	RG-303, 141
250-900-1161G	RG-142, 400
250-900-1070G	RG-180

- See page 108 for cable assembly procedures: No. 9-04
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

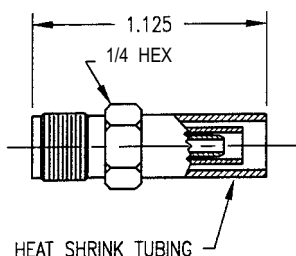
12.4 GHz Right Angle Plug



Part Number	Cable
252-900-0630G	RG-316
252-900-0631G	RG-316 double shielded
252-900-1160G	RG-303, 141
252-900-1161G	RG-142, 400
252-900-1070G	RG-180

- See page 109 for cable assembly procedures: No. 9-05
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Straight Jack Non-Captive Contact



Part Number	Cable
251-900-0630G	RG-316
251-900-0631G	RG-316 double shielded
251-900-1160G	RG-303, 141
251-900-1161G	RG-142, 400

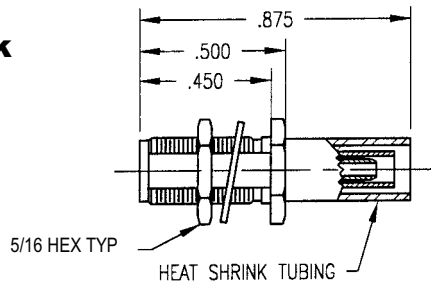
- See page 108 for cable assembly procedures: No. 9-04
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Note: Dimensions shown in inches.

Winchester/Retconn

SMA STAINLESS STEEL: Crimp Flexible Cable

Straight Bulkhead Jack Non-Captive Contact

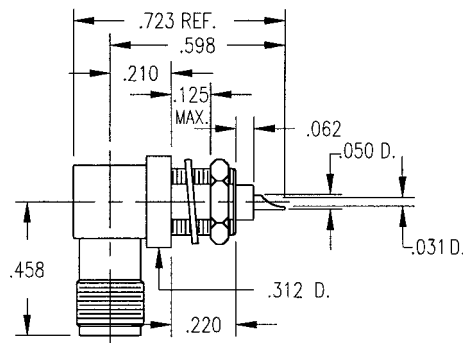


Part Number	Cable	Mounting Hole
251-975-0630G	RG-316	No. 075
251-975-0631G	RG-316 double shielded	No. 075
251-975-1160G	RG-303, 141	No. 075
251-975-1161G	RG-142, 400	No. 075

- See page 83 for mounting hole layout.
- See page 108 for cable assembly procedures: No. 9-04
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

SMA STAINLESS STEEL: Bulkhead Mount Receptacle

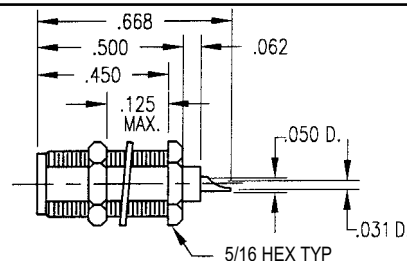
Right Angle Jack



Part Number	Mounting Hole
253-075-0000G	No. 075

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

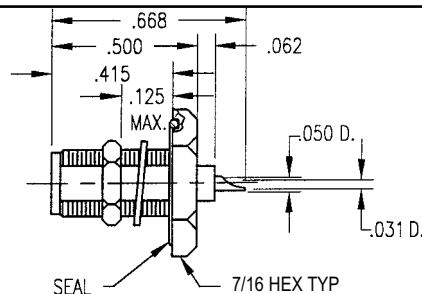
Straight Bulkhead Jack (Rear Mount)



Part Number	Mounting Hole
251-075-0000G	No. 075

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

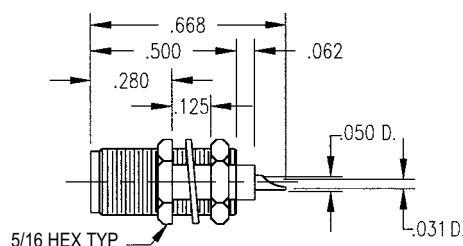
Straight Bulkhead Jack (Rear Mount)



Part Number	Mounting Hole
251-075-0004G	No. 075

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Straight Bulkhead Jack (Front Mount)



Part Number	Mounting Hole
251-075-0002G	No. 075

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

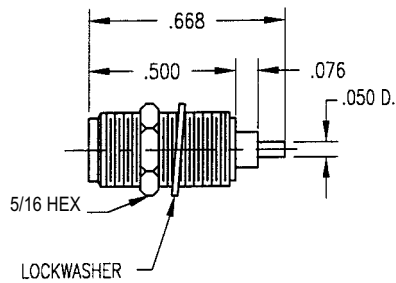
Note: Dimensions shown in inches.

Winchester/Retconn

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SMA STAINLESS STEEL: Bulkhead Mount Receptacle

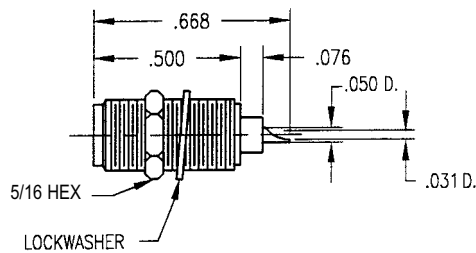
Straight Jack Feed-Thru Straight Terminal



Part Number	Mounting Hole
251-074-0040G	No. 074

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

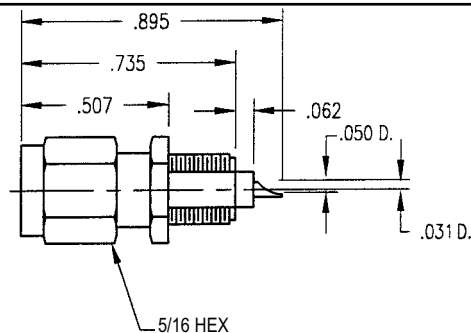
Straight Jack Feed-Thru Solder Pot



Part Number	Mounting Hole
251-074-0000G	No. 074

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Straight Plug Bulkhead

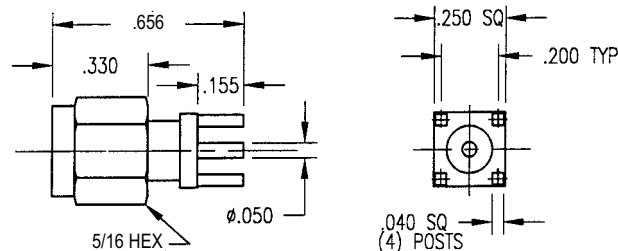


Part Number	Mounting Hole
250-075-0002G	No. 075

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

SMA STAINLESS STEEL: Printed Circuit Receptacles

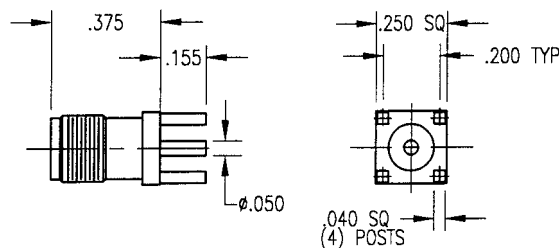
Straight Plug



Part Number	Mounting Hole
250-060-0040G	No. 060

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.

Straight Jack



Part Number	Mounting Hole
251-060-0040G	No. 060

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.

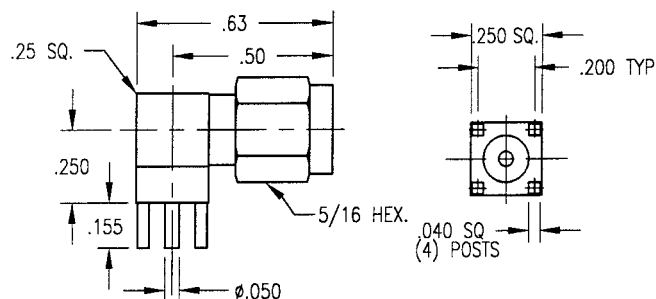
Note: Dimensions shown in inches.

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SMA STAINLESS STEEL: Printed Circuit Receptacles

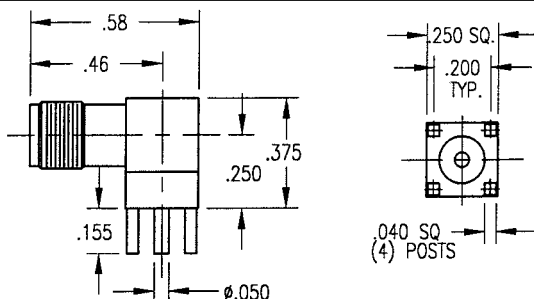
Right Angle Plug



Part Number	Mounting Hole
252-060-0040G	No. 060

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.

Right Angle Jack



Part Number	Mounting Hole
253-060-0040G	No. 060

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.

SMA STAINLESS STEEL: Flange Mount Receptacle

Straight Plug Flange Mount

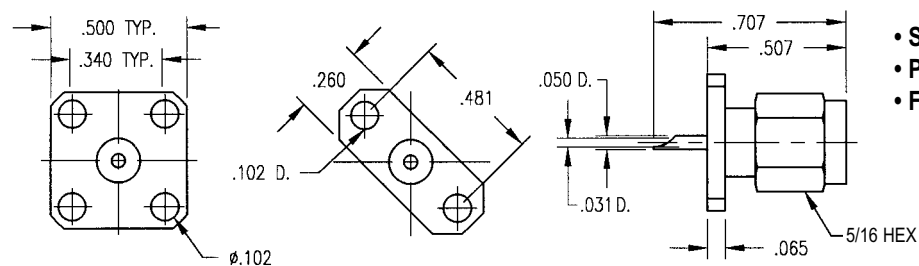


Figure 1

Figure 2

Part Number	Mounting Hole	Figure
250-065-0000G	No. 065	1
250-066-0000G	No. 066	2

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Straight Jack Flange Mount

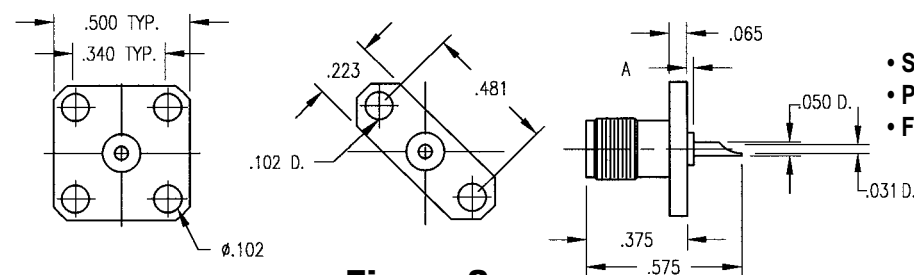


Figure 1

Figure 2

Part Number	Mounting Hole	A	Figure
251-065-0000G	No. 065	.000	1
251-066-0000G	No. 066	.000	2
251-065-0001G	No. 065	.025	1
251-066-0001G	No. 066	.025	2

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

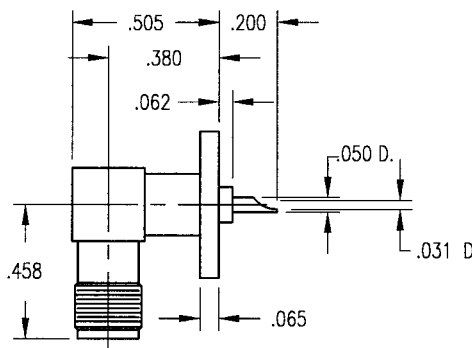
Note: Dimensions shown in inches.

Winchester/Retconn

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SMA STAINLESS STEEL: Flange Mount Receptacle

Right Angle Jack Flange Mount



Part Number	Mounting Hole
253-065-0000G	No. 065

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Straight Plug Flange Mount Straight Contact

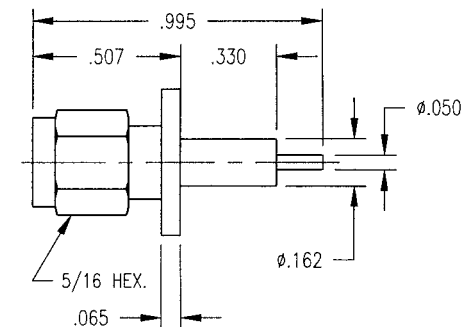


Figure 1

Figure 2

Part Number	Mounting Hole	Contact	Figure
250-065-0040G	No. 065	captivated	1
250-066-0040G	No. 066	captivated	2
250-055-0040G	No. 055	captivated	3
250-065-0041G	No. 065	non-captivated	1
250-066-0041G	No. 066	non-captivated	2
250-055-0041G	No. 055	non-captivated	3

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

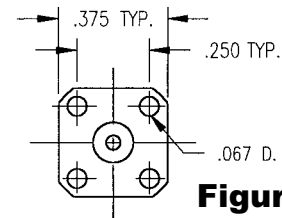
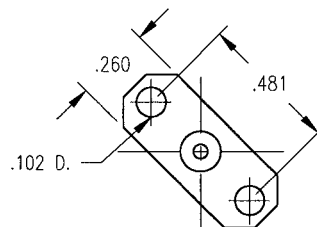


Figure 3

Straight Jack Flange Mount Straight Contact

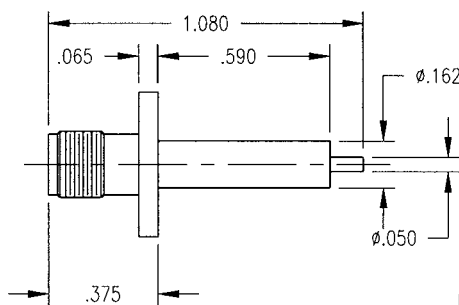


Figure 1

Figure 2

Part Number	Mounting Hole	Contact	Figure
251-065-0040G	No. 065	captivated	1
251-066-0040G	No. 066	captivated	2
251-055-0040G	No. 055	captivated	3
251-065-0041G	No. 065	non-captivated	1
251-066-0041G	No. 066	non-captivated	2
251-055-0041G	No. 055	non-captivated	3

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

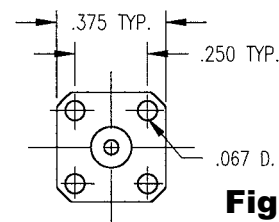
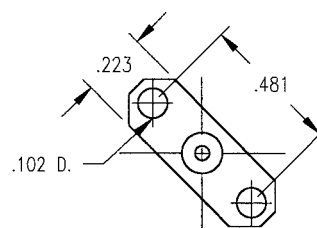


Figure 3

Note: Dimensions shown in inches.

Winchester/Retconn

SMA STAINLESS STEEL: Flange Mount Receptacles

Straight Plug Flange Mount

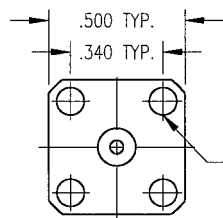
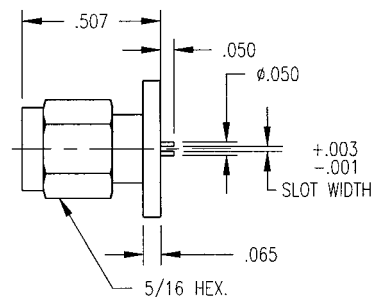


Figure 1

Figure 2

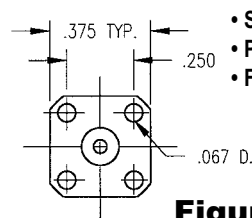
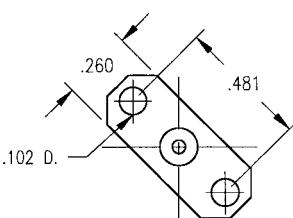


Figure 3

Part Number (Captivated Contact)	Part Number (Non-Captivated)	Mounting Hole	Figure	Slot Width
250-065-0022G	250-065-1022G	No. 065	1	.012
250-065-0023G	250-065-1023G	No. 065	1	.018
250-065-0024G	250-065-1024G	No. 065	1	.028
250-065-0025G	250-065-1025G	No. 065	1	.036
250-055-0022G	250-055-1022G	No. 055	3	.012
250-055-0023G	250-055-1023G	No. 055	3	.018
250-055-0024G	250-055-1024G	No. 055	3	.028
250-055-0025G	250-055-1025G	No. 055	3	.036
250-066-0022G	250-066-1022G	No. 066	2	.012
250-066-0023G	250-066-1023G	No. 066	2	.018
250-066-0024G	250-066-1024G	No. 066	2	.028
250-066-0025G	250-066-1025G	No. 066	2	.036

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Straight Jack Flange Mount

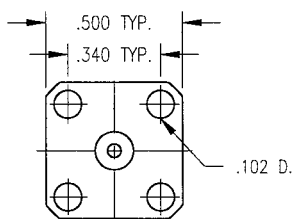
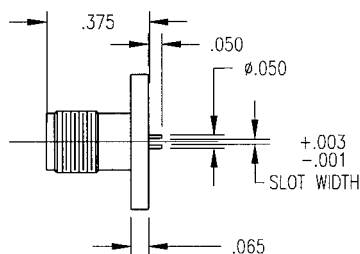


Figure 1

Figure 2

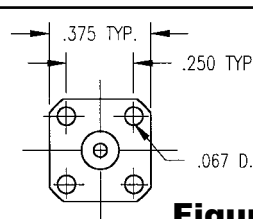
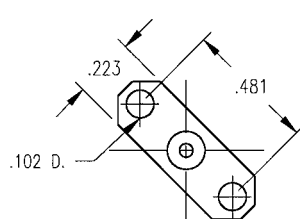


Figure 3

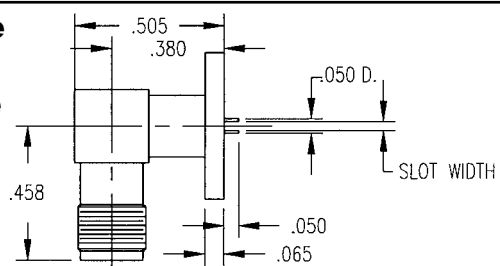
Part Number (Captivated Contact)	Part Number (Non-Captivated)	Mounting Hole	Figure	Slot Width
251-065-0022G	251-065-1021G	No. 065	1	.012
251-065-0023G	251-065-1022G	No. 065	1	.018
251-065-0024G	251-065-1023G	No. 065	1	.028
251-065-0025G	251-065-1024G	No. 065	1	.036
251-055-0022G	251-055-1021G	No. 055	3	.012
251-055-0023G	251-055-1022G	No. 055	3	.018
251-055-0024G	251-055-1023G	No. 055	3	.028
251-055-0025G	251-055-1024G	No. 055	3	.036
251-066-0022G	251-066-1021G	No. 066	2	.012
251-066-0023G	251-066-1022G	No. 066	2	.018
251-066-0024G	251-066-1023G	No. 066	2	.028
251-066-0025G	251-066-1024G	No. 066	2	.036

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Note: Dimensions shown in inches.

SMA STAINLESS STEEL: FLANGE MOUNT RECEPTACLE

Right Angle Jack Receptacle



Part Number	Mounting Hole	Figure	Slot Width
253-065-0022G	No. 065	1	.012
253-065-0023G	No. 065	1	.018
253-065-0024G	No. 065	1	.028
253-065-0025G	No. 065	1	.036
253-065-0026G	No. 065	2	.012
253-065-0027G	No. 065	2	.018
253-065-0028G	No. 065	2	.028
253-065-0029G	No. 065	2	.036

Figure 1
Vertical Slot

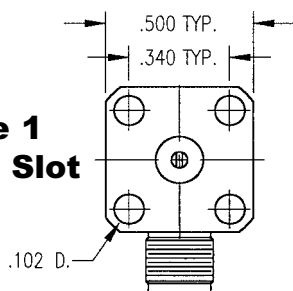
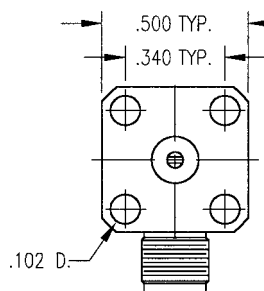
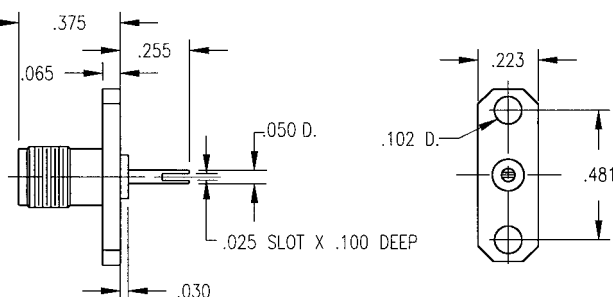


Figure 2
Horizontal Slot



- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Straight Jack Flange Mount

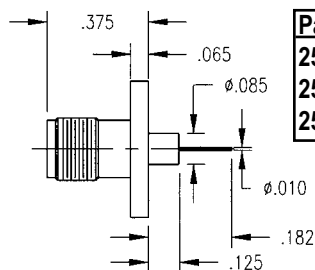


Part Number	Mounting Hole
251-066-0025G	No. 066

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Straight Jack Flange Mount Tab Contact

Figure 2



Part Number	Mounting Hole	Contact	Figure
251-065-0032G	No. 065	captivated	1
251-066-0032G	No. 066	captivated	2
251-055-0032G	No. 055	captivated	3

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

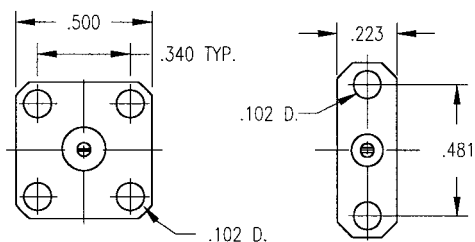


Figure 1

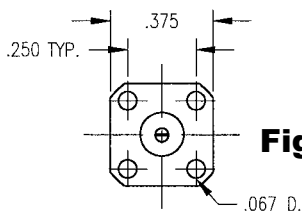
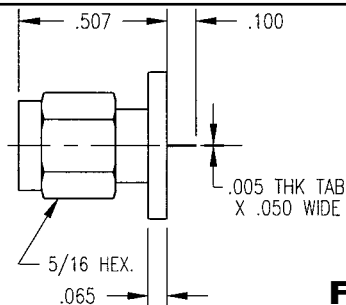


Figure 3

Note: Dimensions shown in inches.

SMA STAINLESS STEEL: Flange Mount Receptacle

Straight Plug Flange Mount Tab Contact



Part Number	Mounting Hole	Contact	Figure
250-065-0030G	No. 065	captivated	1
250-066-0030G	No. 066	captivated	2
250-055-0030G	No. 055	captivated	3
250-065-0031G	No. 065	non-captivated	1
250-066-0031G	No. 066	non-captivated	2
250-055-0031G	No. 055	non-captivated	3

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Figure 1

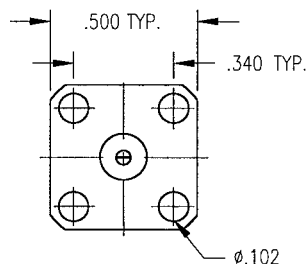


Figure 2

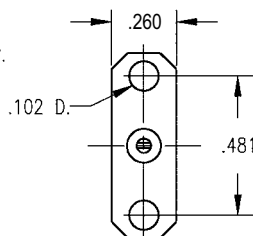
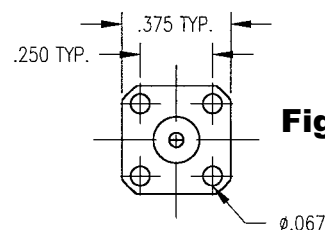
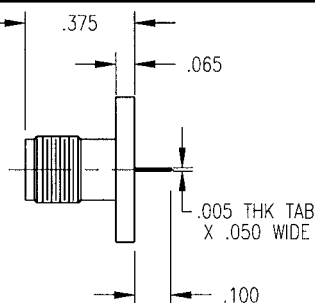


Figure 3



Straight Jack Flange Mount Tab Contact



Part Number	Mounting Hole	Contact	Figure
251-065-0030G	No. 065	captivated	1
251-066-0030G	No. 066	captivated	2
251-055-0030G	No. 055	captivated	3
251-065-0031G	No. 065	non-captivated	1
251-066-0031G	No. 066	non-captivated	2
251-055-0031G	No. 055	non-captivated	3

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Figure 1

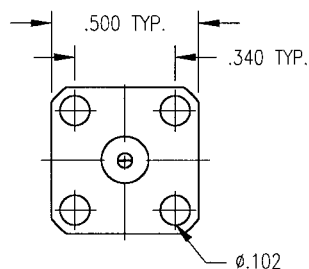


Figure 2

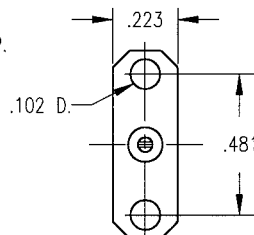
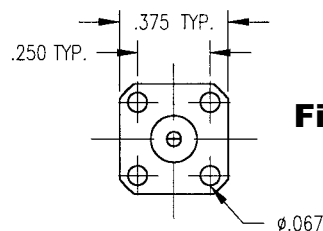
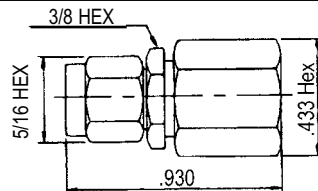


Figure 3



SMA: Direct Solder Attachment

Straight Plug

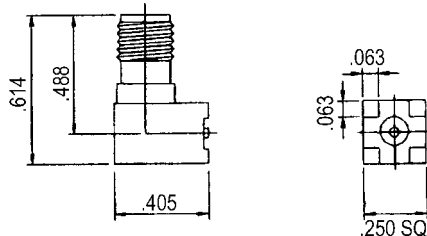


Part Number	Cable
250-600-2500Y	RG-401 (.250")

• Nickel Body

SMA: Surface Mount Receptacles

Right Angle Surface Mount Jack Receptacle



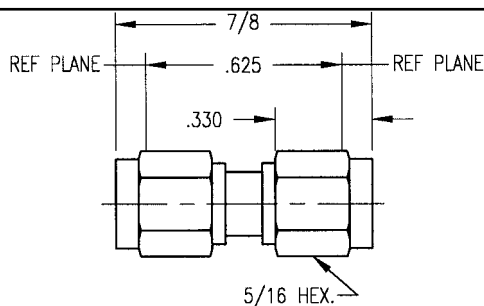
Part Number
253-077-0040Y

Winchester/Retconn

Note: Dimensions shown in inches.

SMA IN-SERIES: Stainless Steel Adapters

Plug to Plug



Part Number
250-250-0000G

- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Jack to Jack

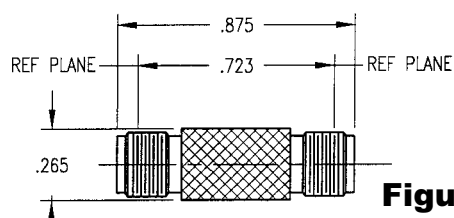


Figure 1

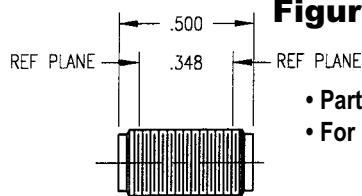
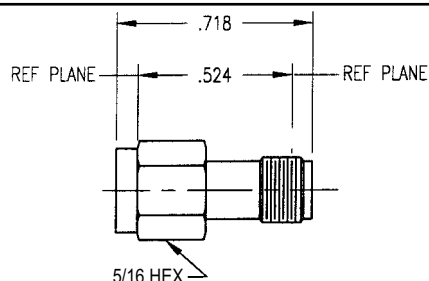


Figure 2

Part Number	Figure
251-251-0000G	1
251-251-0001G	2

- Part number shown is for gold plated.
- For passivated version change suffix to "P".

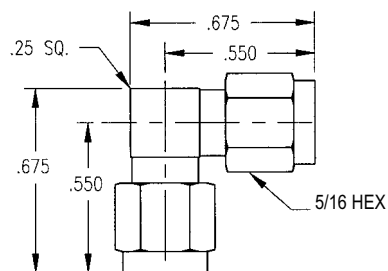
Plug to Jack



Part Number
250-251-0000G

- Part number shown is for gold plated.
- For passivated version change suffix to "P".

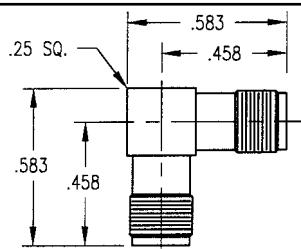
Right Angle Plug to Plug



Part Number
252-252-0000G

- Part number shown is for gold plated.
- For passivated version change suffix to "P".

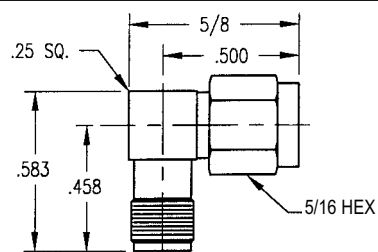
Right Angle Jack to Jack



Part Number
253-253-0000G

- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Right Angle Plug to Jack



Part Number
252-253-0000G

- Part number shown is for gold plated.
- For passivated version change suffix to "P".

Note: Dimensions shown in inches.

Winchester/Retconn

SMA Brass: Specifications & Interface Dimensions

MATERIALS:

Body, Body Components: Brass per ASTM B16 1/2 HD
 Female Contacts: Beryllium Copper per ASTM B196
 Male Contacts: Brass per ASTM B16 1/2 HD
 Insulators: Teflon per ASTM D1710
 Crimp Ferrule: Annealed Copper Alloy
 Gaskets: Silicone Rubber per ZZ-R-765

Finish:

Center Contact: Gold per MIL-G-45204
 Other Metal Parts: Gold or Nickel Plated To Meet The
 Finish And Corrosion Requirements per MIL-C-39012

MATING CHARACTERISTICS:

Engagement Forces: Torque: 2 Inch-Pounds Maximum
 Mating Torque: 7 to 10 Inch-Pounds
 Coupling Proof Torque: 15 Inch-Pounds Minimum
 Coupling Nut Retention: 60 lbs. Minimum

ELECTRICAL:

Impedance: 50 Ohms Nominal
 Frequency Range: 0 to 18.0 GHz

Voltage Rating (VRMS) Sea Level 70K FT

Connectors For RG-196	170	40
Connectors For RG-316	250	65
Connectors For RG-142	335	85

Insulation Resistance: 5000 Megohms Minimum

Contact Resistance: (Milliohms Maximum)

	Initial	After Environment
Center Contact	3.0	4.0
Outer Contact	2.0	3.0
Braid to Body	0.5	N/A

ELECTRICAL:

Voltage Standing Wave Ratio (VSWR):

	Straight	Right Angle
RG-178 Braided	1.20+ .025F	1.20+ .03F
RG-316 Braided	1.15+ .02F	1.15+ .03F
RG-142 Braided	1.15+ .01F	1.15+ .02F

Dielectric Withstanding Voltage (DWV) At Sea Level:

Connectors For RG-196	500 VRMS
Connectors For RG-316	750 VRMS
Connectors For RG-142	1000 VRMS

Corona Level: VOLTS @ 70K Feet

Connectors For RG-196	125 Minimum
Connectors For RG-316	190 Minimum
Connectors For RG-142	250 Minimum

RF High Potential Withstanding Voltage:

Frequency: 5 MHz

Leakage Current: N/A

Connectors For RG-178	335 VRMS
Connectors For RG-316	500 VRMS
Connectors For RG-142	670 VRMS

R.F. Leakage: -60 dB Minimum @ 2-3 GHz

ENVIRONMENTAL:

Operating Temperature: -65°C To +165°C

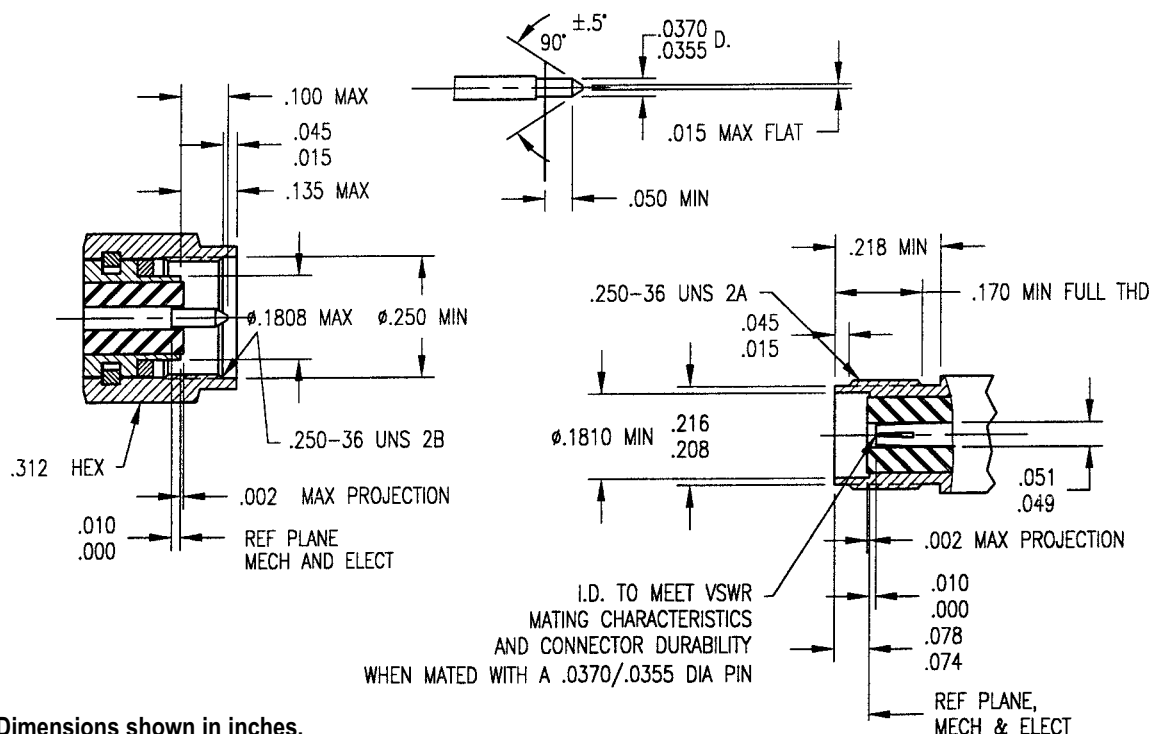
Corrosion (Salt Spray): MIL-STD-202, Method 101, Condition B

Vibration, High Frequency: MIL-STD-204, Condition D, (20 G's)

Shock: MIL-STD-202, Method 204, Test Condition I, (100 G's)

Temperature Cycling: MIL-STD-202, Method 102, Condition C

Moisture Resistance: MIL-STD-202, Method 106.



Note: Dimensions shown in inches.

Winchester/Retconn

SMA Brass: Solder, Semi-rigid Cable

Straight Plug

Figure 1

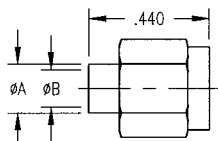
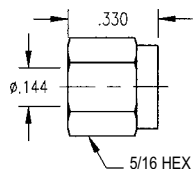
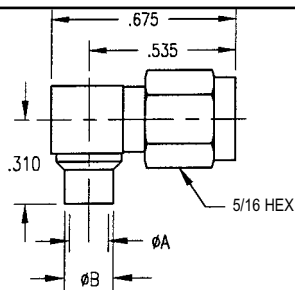


Figure 2

Part Number	Cable	Figure	A	B	Contact	Insulator	Cable Asse.Proc.
350-500-1410H	.141 SR	1	-	-	without	without	5-01
350-500-1411H	.141 SR	1	.144	.180	without	without	5-01
350-500-0850H	.085 SR	2	.089	.120	with	unassembled	5-02
350-500-0858H	.085 SR	2	.089	.120	with	assembled	5-02
350-500-1412H	.141 SR	2	.144	.180	with	unassembled	5-02
350-500-1418H	.141 SR	2	.144	.180	with	assembled	5-02

- See page 85,86 for cable assembly procedures: 5-01,5-02
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

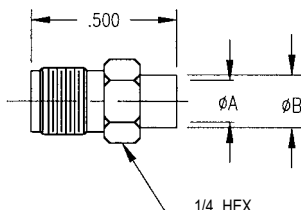
12.4 GHz Right Angle Plug



Part Number	Cable	A	B
352-500-0850H	.085 SR	.089	.120
352-500-1410H	.141 SR	.144	.180

- See page 87 for cable assembly procedures: 5-03
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

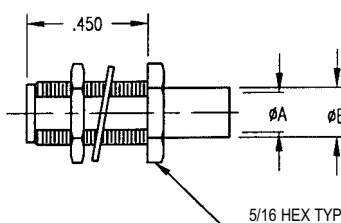
Straight Jack



Part Number	Cable	A	B
351-500-0850H	.085 SR	.089	.120
351-500-1410H	.141 SR	.144	.180

- See page 86 for cable assembly procedures: 5-02
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

Straight Jack Bulkhead

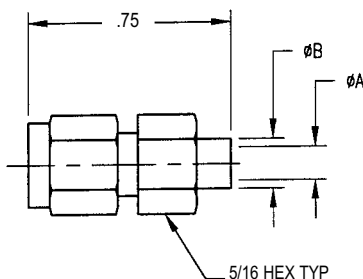


Part Number	Cable	A	B	Mounting Hole
351-575-0850H	.085 SR	.089	.120	No. 075
351-575-1410H	.141 SR	.144	.180	No. 075

- See page 86 for cable assembly procedures: 5-02
- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

SMA: Brass Solder/Clamp, Semi-rigid

Straight Plug Captive Contact



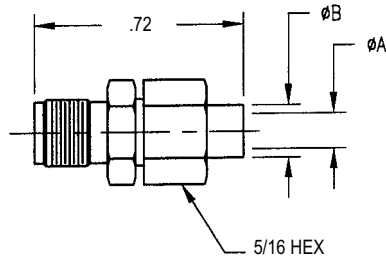
Part Number	Cable	A	B
350-600-0850H	.085 SR	.089	.120
350-600-1410H	.141 SR	.144	.180

- See page 95 for cable assembly procedures: 6-01
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

Note: Dimensions shown in inches.

SMA Brass: Solder/Clamp, Semi-rigid Cable

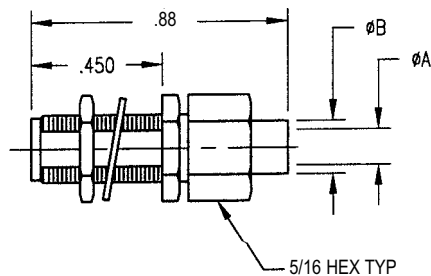
Straight Jack Captive Contact



Part Number	Cable	A	B
351-600-0850H	.085 SR	.089	.120
351-600-1410H	.141 SR	.144	.180

- See page 95 for cable assembly procedures: 6-01
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

Straight Jack Bulkhead Mount Captive Contact

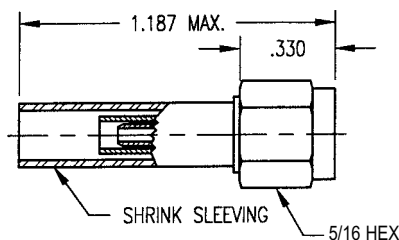


Part Number	Cable	A	B	Mounting Hole
351-675-0850H	.085 SR	.089	.120	No. 075
351-675-1410H	.141 SR	.144	.180	No. 075

- See page 95 for cable assembly procedures: 6-01
- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

SMA Brass: Crimp Flexible Cable

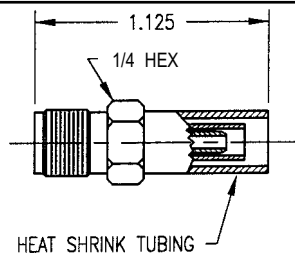
Straight Plug Non-Captive Contact



Part Number	Cable
350-900-0630H	RG-316
350-900-0631H	RG-316 double shielded
350-900-1160H	RG-303, 141
350-900-1161H	RG-142, 400

- See page 108 for cable assembly procedures: 9-04
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

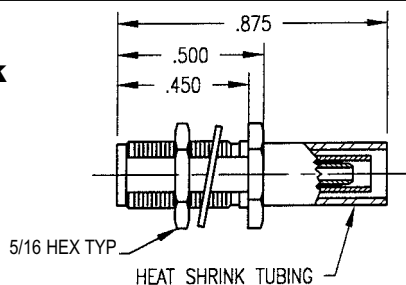
Straight Jack Non-Captive Contact



Part Number	Cable
351-900-0630H	RG-316
351-900-0631H	RG-316 double shielded
351-900-1160H	RG-303, 141
351-900-1161H	RG-142, 400

- See page 108 for cable assembly procedures: 9-04
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

Straight Bulkhead Jack Non-Captive Contact



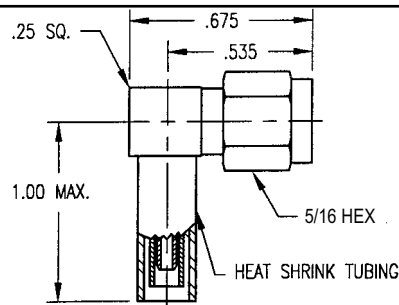
Part Number	Cable	Mounting Hole
351-975-0630H	RG-316	No. 075
351-975-0631H	RG-316 double shielded	No. 075
351-975-1160H	RG-303, 141	No. 075
351-975-1161H	RG-142, 400	No. 075

- See page 108 for cable assembly procedures: 9-04
- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

Note: Dimensions shown in inches.

SMA Brass: Crimp Flexible Cable

Right Angle Plug

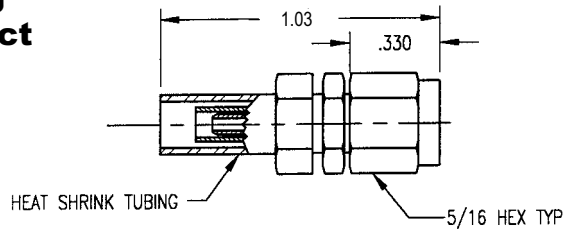


Part Number	Cable
352-900-0630H	RG-316
352-900-0631H	RG-316 double shielded
352-900-1160H	RG-303, 141
352-900-1161H	RG-142, 400

- See page 109 for cable assembly procedures: 9-05
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

SMA Brass: Crimp/Clamp Flexible Cable

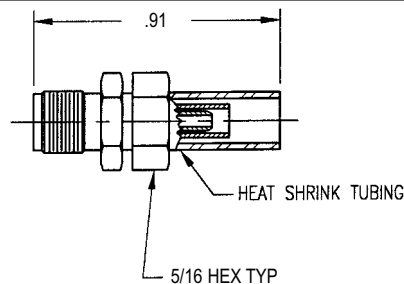
Straight Plug Captive Contact



Part Number	Cable
350-800-0360H	RG-178
350-800-0630H	RG-316
350-800-0631H	RG-316 double shielded
350-800-1160H	RG-303, 141
350-800-1161H	RG-142, 400

- See page 103 for cable assembly procedures: 8-01
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

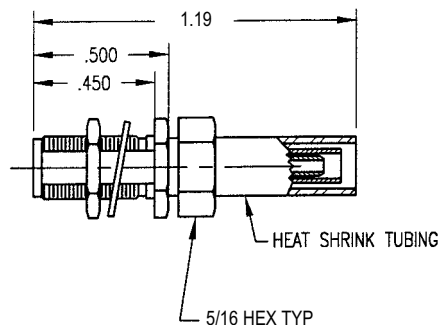
Straight Jack Captive Contact



Part Number	Cable
351-800-0360H	RG-178
351-800-0630H	RG-316
351-800-0631H	RG-316 double shielded
351-800-1160H	RG-303, 141
351-800-1161H	RG-142, 400

- See page 103 for cable assembly procedures: 8-01
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

Straight Jack Bulkhead Mount Captive Contact

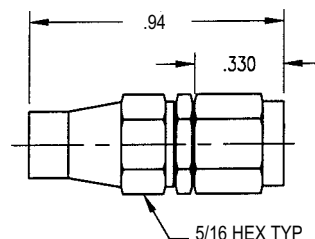


Part Number	Cable	Mounting Hole
351-875-0360H	RG-178	No. 075
351-875-0630H	RG-316	No. 075
351-875-0631H	RG-316 double shielded	No. 075
351-875-1160H	RG-303, 141	No. 075
351-875-1161H	RG-142, 400	No. 075

- See page 103 for cable assembly procedures: 8-01
- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

SMA Brass: Clamp, Flexible Cable

Straight Plug Captive Contact



Part Number	Cable
350-700-0360H	RG-178
350-700-0630H	RG-316
350-700-0631H	RG-316 double shielded
350-700-1070H	RG-180
350-700-1161H	RG-142, 400

- See page 97 for cable assembly procedures: 7-01
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

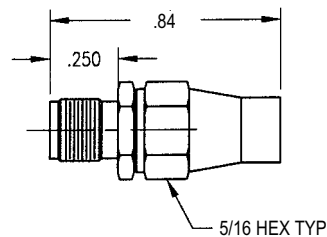
Note: Dimensions shown in inches.

Winchester/Retconn

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SMA Brass: Clamp, Flexible Cable

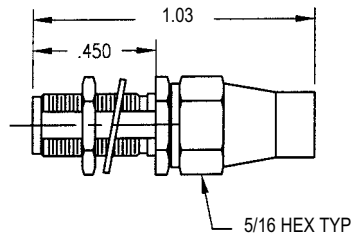
Straight Jack Captive Contact



Part Number	Cable
351-700-0360H	RG-178
351-700-0630H	RG-316
351-700-0631H	RG-316 double shielded
351-700-1070H	RG-180
351-700-1161H	RG-142, 400

- See page 97 for cable assembly procedures: 7-01
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

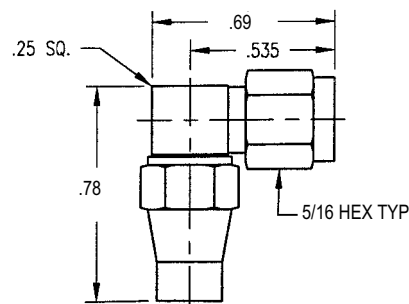
Straight Jack Bulkhead Mount Captive Contact



Part Number	Cable	Mounting Hole
351-775-0360H	RG-178	No. 075
351-775-0630H	RG-316	No. 075
351-775-0631H	RG-316 double shielded	No. 075
351-775-1070H	RG-180	No. 075
351-775-1161H	RG-142, 400	No. 075

- See page 97 for cable assembly procedures: 7-01
- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

12.4 GHz Right Angle Plug

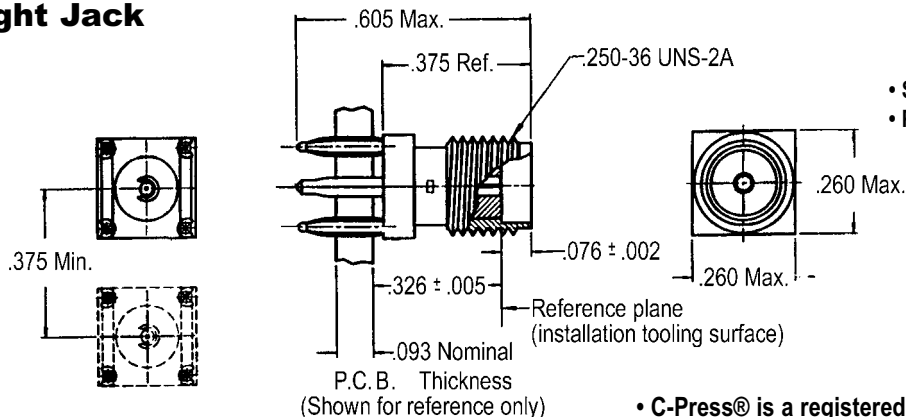


Part Number	Cable
352-700-0360H	RG-178
352-700-0630H	RG-316
352-700-0631H	RG-316 double shielded
350-700-1070H	RG-180
350-700-1161H	RG-142, 400

- See page 98 for cable assembly procedures: 7-02
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

SMA Brass: 50 Ohm C-Press® Press-fit Connector

Straight Jack



Part Number
121-29262-1

- See page 84 for mounting hole layout.
- Part number shown is for gold plated.

• C-Press® is a registered trademark of Litton Systems, Inc.

Note: Dimensions shown in inches.

SMA Brass: Receptacle, Solder Pot

Straight Plug Flange Mount

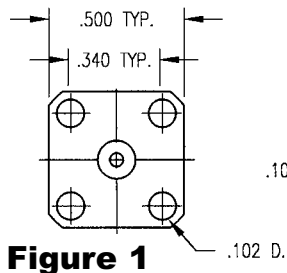


Figure 1

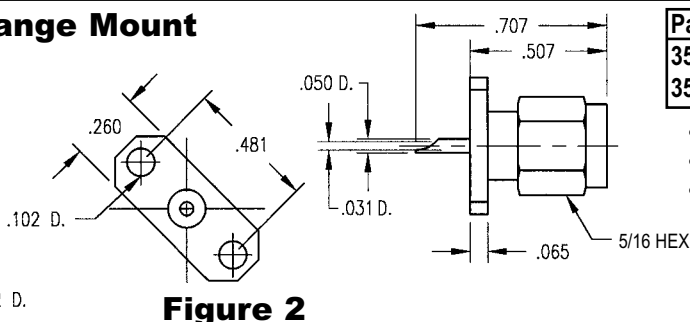


Figure 2

Part Number	Mounting Hole	Figure
350-065-0000H	No. 065	1
350-066-0000H	No. 066	2

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

Straight Jack Flange Mount

Figure 1

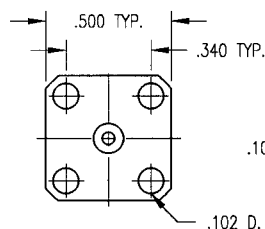
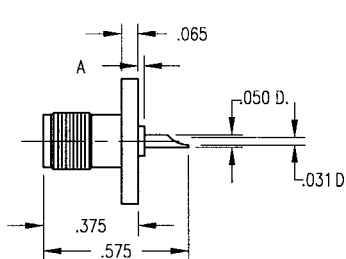
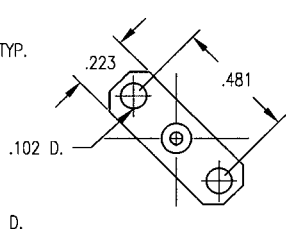


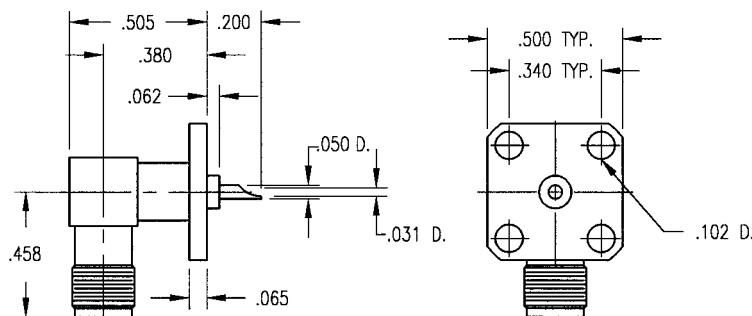
Figure 2



Part Number	Mounting Hole	A	Figure
351-065-0000H	No. 065	.000	1
351-066-0000H	No. 066	.000	2
351-065-0001H	No. 065	.025	1
351-066-0001H	No. 066	.025	2

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

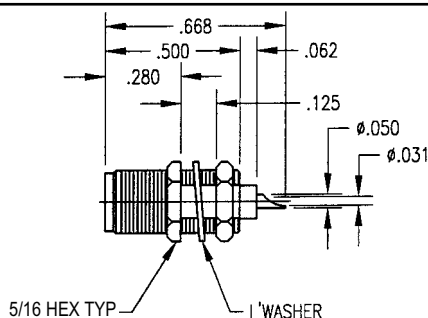
Right Angle Jack Flange Mount



Part Number	Mounting Hole
353-065-0000H	No. 065

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

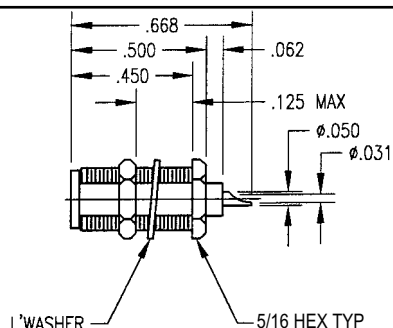
Straight Bulkhead Jack Front Mount



Part Number	Mounting Hole
351-075-0002H	No. 075

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

Straight Bulkhead Jack, Rear Mount



Part Number	Mounting Hole
351-075-0001H	No. 075

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

Note: Dimensions shown in inches.

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SMA Brass: Receptacle

Straight Plug Flange Mount Straight Contact

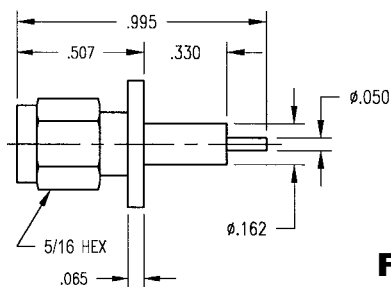
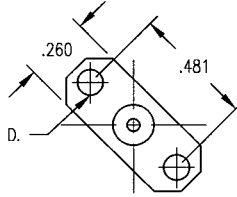
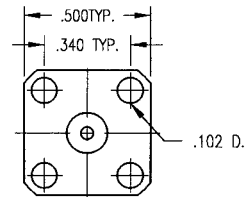


Figure 1



Part Number	Mounting Hole	Contact	Figure
350-065-0040H	No. 065	captivated	1
350-066-0040H	No. 066	captivated	2
350-055-0040H	No. 055	captivated	3
350-065-0041H	No. 065	non-captivated	1
350-066-0041H	No. 066	non-captivated	2
350-055-0041H	No. 055	non-captivated	3

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

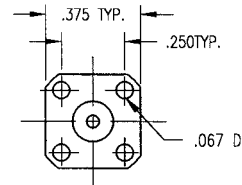


Figure 3

Straight Jack Flange Mount Straight Contact

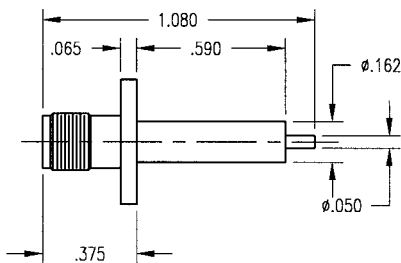
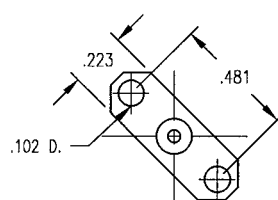
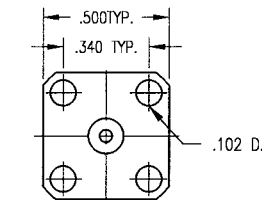


Figure 1



Part Number	Mounting Hole	Contact	Figure
351-065-0040H	No. 065	captivated	1
351-066-0040H	No. 066	captivated	2
351-055-0040H	No. 055	captivated	3
351-065-0041H	No. 065	non-captivated	1
351-066-0041H	No. 066	non-captivated	2
351-055-0041H	No. 055	non-captivated	3

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

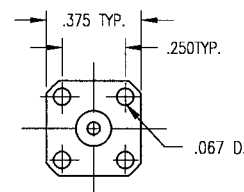
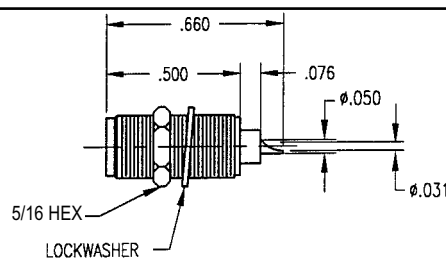


Figure 3

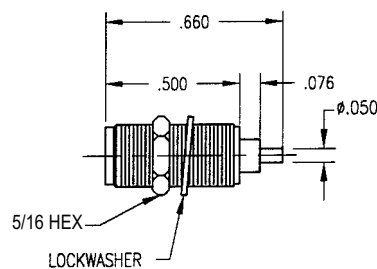
Straight Jack Feed - Thru Solder Pot



Part Number	Mounting Hole
351-074-0000H	No. 074

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

Straight Jack Feed - Thru Straight Terminal



Part Number	Mounting Hole
351-074-0040H	No. 074

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.
- For nickel plate change suffix to "N".

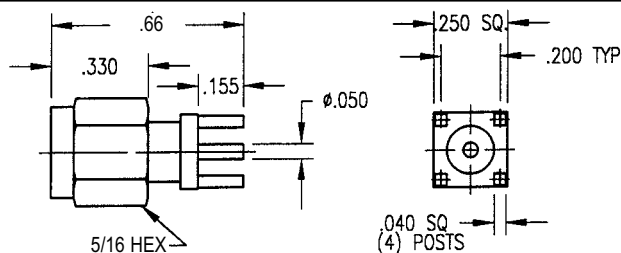
Note: Dimensions shown in inches.

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SMA Brass: Printed Circuit Receptacles

Straight Plug



Part Number	Mounting Hole
350-060-0040H	No. 060

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.

Straight Jack

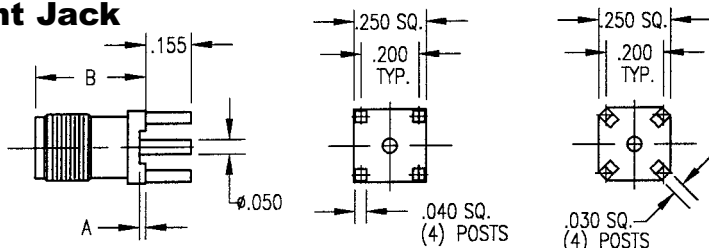


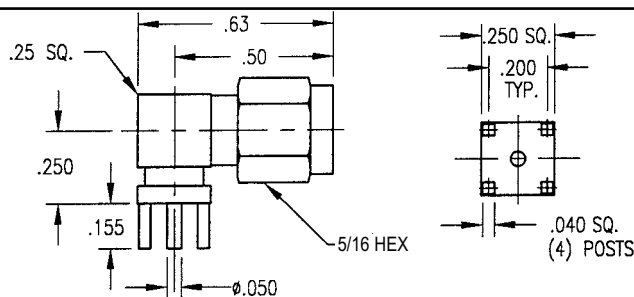
Figure 1

Part Number	Mounting Hole	Figure	A	B
351-060-0040H	No. 060	1	.000	.375
351-060-0046H	No. 060A	2	.020	.375

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.

Figure 2

Right Angle Plug



Part Number	Mounting Hole
352-060-0040H	No. 060

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.

Right Angle Jack

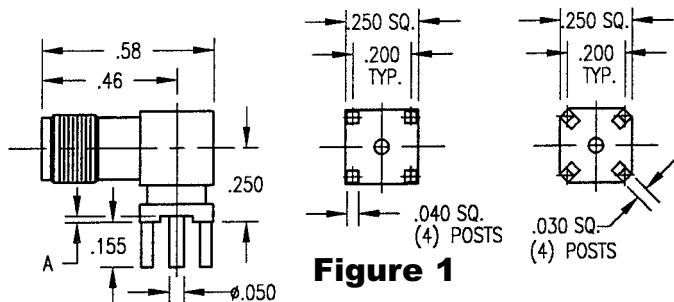


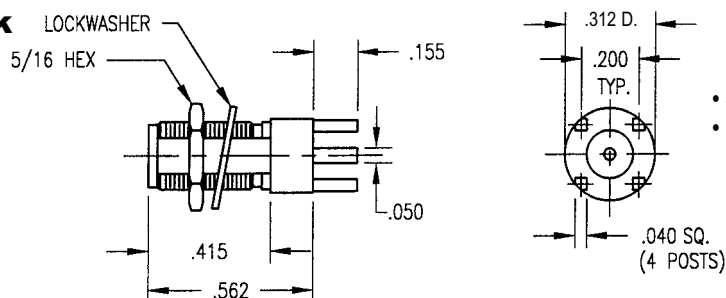
Figure 1

Figure 2

Part Number	Mounting Hole	Figure	A
353-060-0040H	No. 060	1	.000
353-060-0046H	No. 060A	2	.020

- See page 83 for mounting hole layout.
- Part number shown is for gold plated.

Straight Jack Bulkhead



Part Number	Mounting Hole
351-060-7540H	No. 060, No. 075

- See pages 83 for mounting hole layout.
- Part number shown is for gold plated.

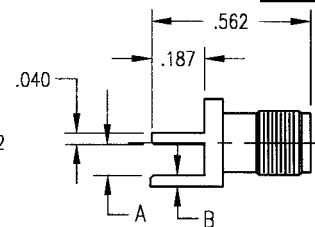
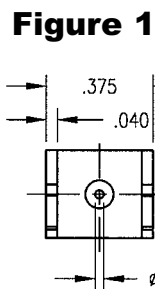
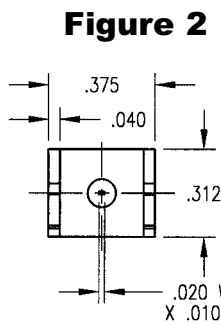
Note: Dimensions shown in inches.

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SMA Brass: Printed Circuit Receptacles

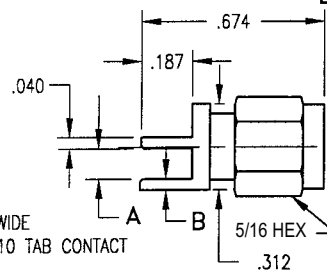
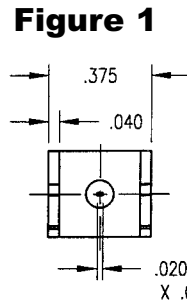
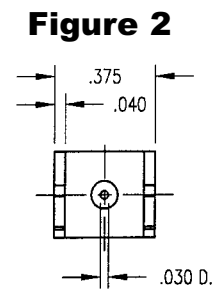
Straight Jack End Launch



Part Number	Contact	Figure	A	B
351-085-0030H	tab	1	.068	.083
351-085-0040H	round	2	.068	.073

• Part number shown is for gold plated.

Straight Plug End Launch



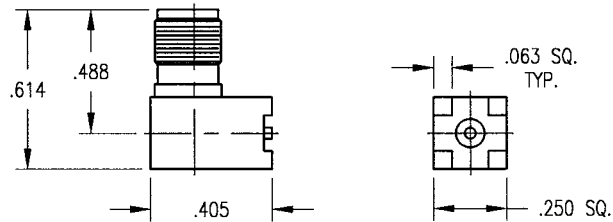
Part Number	Contact	Figure	A	B
350-085-0030H	tab	1	.068	.083
350-085-0040H	round	2	.068	.073

• Part number shown is for gold plated.

Note: Dimensions shown in inches.

SMA: Surface Mount Receptacles

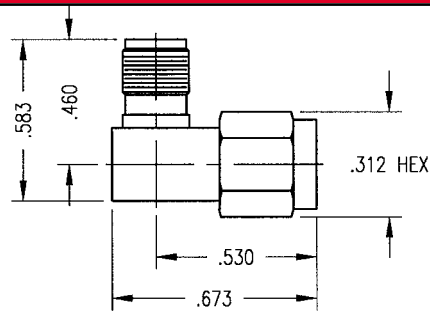
Right Angle Surface Mount Jack Receptacle



Part Number
253-077-0040H

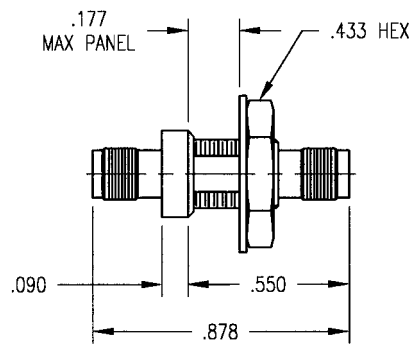
SMA: In-Series Adapters

Right Angle Plug - Jack



Part Number
252-253-0000H

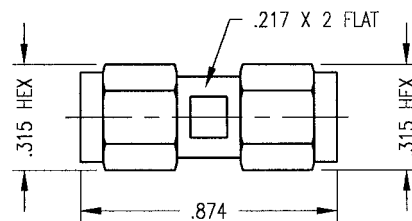
Bulkhead Jack - Jack



Part Number
251-251-7800H

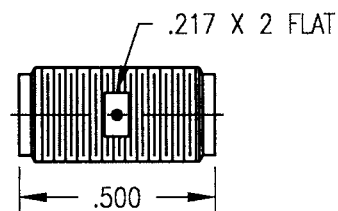
SMA: In-Series Adapters

Plug - Plug



Part Number
250-250-0000H

Jack - Jack



Part Number
251-251-0000H

Note: Dimensions shown in inches.

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