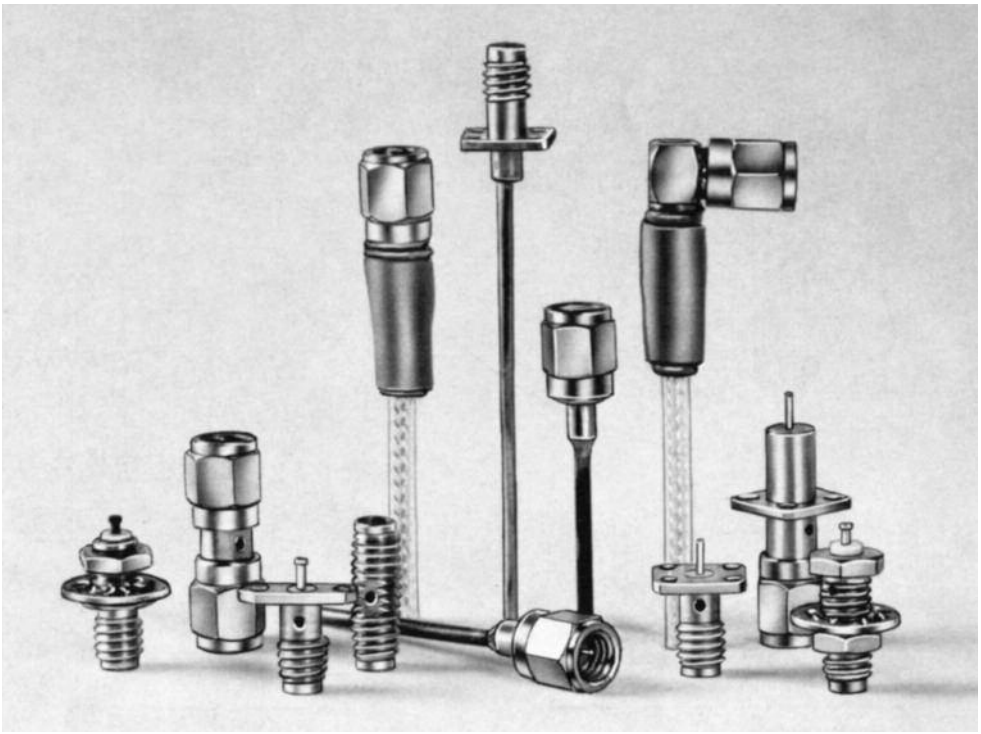
OSMM Microminiature Connectors

Introduction



The microminiature series has been developed to meet the increasing demand for smaller connector size. This series is small, but still very rugged for its relative size.

The interface mating design insures precise outer shell alignment before engagement of the inner contacts. The OSMM Series is compatible with smaller diameter semi-rigid cable.

Design and Construction

All shell and body parts are made of stainless steel for ruggedness and long life. The dielectric is PTFE fluorocarbon. The center contacts are made of beryllium copper, gold plated. The coupling thread is .138-40 UNF thread.

Types

The OSMM Series connectors are available for appropriate size semi-rigid and flexible coaxial cables. Panel and bulkhead mount are also available to provide complete flexibility to component and system design.

Application

Typical applications include requirements from low RF to high microwave frequencies. The higher order moding for this series is above 45.0 GHz, but the primary feature is the microminiature size.

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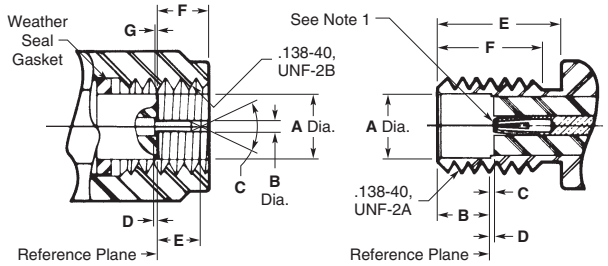
OSMM Microminiature Connectors (Continued)

Interface Mating Dimensions



Plug

Dim.	Min.	Max.
A	**.0930** 2.36	**.0946** 2.43
B	**.0150** 0.38	**.0163** 0.42
C	60°	90°
D	**.000** 0.00	**.010** 0.25
E	**.055** 1.40	**.070** 1.78
F	**.065** 1.65	**.099** 2.29
G	**.000** 0.00	**.010** 0.25

Jack

Dim.	Min.	Max.
A	**.096** 2.44	**.097** 2.46
B	**.076** 1.98	**.082** 2.08
C	**.000** 0.00	**.010** 0.25
D	**.000** 0.00	**.010** 0.25
E	**.175** 4.45	—
F	**.140** 3.56	—

1. ID to meet VSWR and contact resistance when mated with .0155 +.0008/-.0005 [0.0394 +.0203/-.0127] dia. pin.
2. When fully engaged, the two reference planes must coincide with metal to metal contact.

Specifications

Requirement	MIL-C-39012 Applicable Paragraph	Detail
General		
Material	3.3	Steel corrosion resistant per ASTM-A-582 and ASTM-A-484, Type 303. Beryllium copper per ASTM B 196. PTFE Fluorocarbon per ASTM-D-1457.
Finish which	3.31	Center contacts shall be gold plated to a min. thickness of .00005 [0.0013] in accordance with MIL-G-45204, Typ I, Grade C. All other metal parts shall be finished as to provide a connector meets the corrosion requirements.
Design	3.4	The design shall be such that the outline shown in this catalog and the interface dimensions of MIL-STD-348A are met.
Electrical		
Insulation Resistance	3.11	The insulation resistance shall not be less than 5,000 megohms.
Corona Level	3.22	The connector shall not exhibit breakdown when the voltage is 150 volts rms at 70,000 ft.
Dielectric Withstanding Voltage	3.17	The magnitude of the test voltage shall be 500 volts rms at sea level.
RF HIgh Potential	3.23	The withstanding voltage is 375 volts rms at 5 MHz. Leakage current is not applicable.
Contact Resistance	3.16	Center contact resistance: 3.5 milliohms max. Outer contact resistance: 2.8 milliohms max.
VSWR	3.14	No military slash sheet applies. Consult factory. Frequency range dependent on cable used.
RF Leakage	3.26	No military slash sheet applies. Consult factory.
Insertion Loss	3.27	No military slash sheet applies. Consult factory. Frequency range dependent on cable used.
Mechanical		
Force to Engage	3.5.1	The torque required to engage and disengage shall not exceed 1 in.-lbs. The longitudinal force is not applicable.
Coupling Nut Retention	3.25	40 lbs. min. Applicable for plug connectors only.
Coupling Proof Torque	3.6	4 in.-lbs. min. Applicable for plug connectors only.
Cable Retention	3.24	No military slash sheet applies. Consult factory.
Mating Characteristics	3.7	Applicable to jack connectors only. Oversize pin .0165 [0.419] min. dia., .045 [1.14] deep; insertion force 3 lbs. max. with .0163 [0.414] min. dia. pin; withdrawal force 0.5 oz. min. with .015 [0.38] max. dia. pin.
Connector Durability	3.15	The connector to be tested and its mating connector shall be subjected to 500 insertion and withdrawal cycles at 12 cycles per minute max. The connector shall show no evidence of mechanical failure and shall meet the mating characteristic requirements.
Recommended Mating Torque	—	2 in.-lbs.
Environmental		
Vibration	3.18	Specification MIL-STD-202, method 204, test condition D.
Shock	3.19	Specification MIL-STD-202, method 213, test condition I.
Thermal Shock	3.20	No military slash sheet applies. Consult factory.
Corrosion (Salt Spray)	3.13	Specification MIL-STD-202, method 101, test condition B.
Moisture Resistance	3.21	Specification MIL-STD-202, method 106. No measurements at high humidity. Insulation resistance shall be at least 200 megohms within 5 minutes of removal from humidity.

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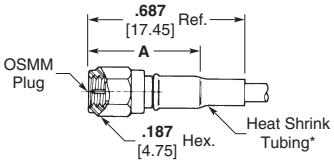
OSMM Microminiature Connectors (Continued)

For Flexible and Semi-Rigid Cables

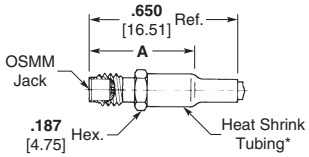
Straight Cable Plug



Cable	Attachment	Dim. A	Reference Part No. (Ref. only)	Part Number
RG 196/U Flexible	Crimp	.450 11.40 Ref.	4031-7196-00	1059057-1
.047 Dia.* Semi-Rigid	Direct Solder	.360 9.20 Ref.	4001-7947-00	1058955-1

* Semi-rigid versions do not use heat shrink tubing.
Finish: Gold plate.

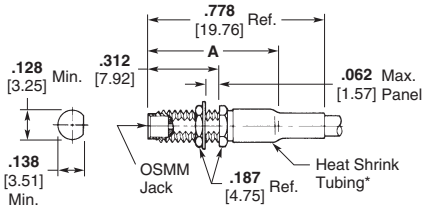
Straight Cable Jack



Cable	Attachment	Dim. A	Reference Part No. (Ref. only)	Part Number
.047 Dia.* Semi-Rigid	Direct Solder	.330 8.40 Ref.	4002-7947-00	—

* Semi-rigid versions do not use heat shrink tubing.
Finish: Gold plate.

Bulkhead Feedthrough Cable Jack

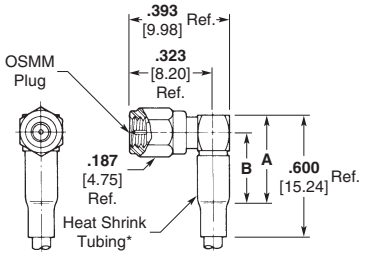


Recommended Mounting Hole

Cable	Attachment	Dim. A	Reference Part No. (Ref. only)	Part Number
RG 196/U Flexible	Crimp	.565 14.40 Ref.	4034-7196-00	1059060-1
.047 Dia.* Semi-Rigid	Direct Solder	.458 11.60 Ref.	4004-7947-00	1058990-1

* Semi-rigid versions do not use heat shrink tubing.
Finish: Gold plate.

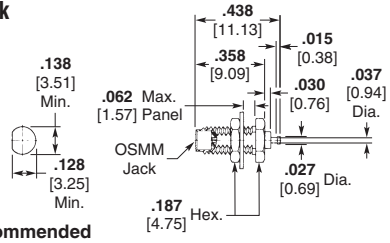
Right-Angle Cable Plug



Cable	Attachment	Dim. A	Dim. B	Reference Part No. (Ref. only)	Part Number
.047 Dia.* Semi-Rigid	Direct Solder	.256 6.50 Ref.	.178 4.50 Ref.	4007-7947-00	1058993-1

* Semi-rigid versions do not use heat shrink tubing.
Finish: Gold plate.

Bulkhead Feedthrough Jack

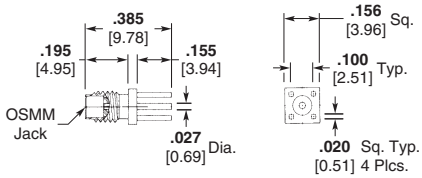


Recommended Mounting Hole

Description	Reference Part No. (Ref. only)	Part Number
Captured Center Contact* Turret Terminal Rear Mount	4056-0000-00	—

* Contact captivation per U.S. patent number 3,292,117.
Finish: Gold plate.

Printed Circuit Board Straight Jack



Description	Reference Part No. (Ref. only)	Part Number
Captured Center Contact* Straight Terminal	4062-0000-00	1059081-1

* Contact captivation per U.S. patent number 3,292,117.
Finish: Gold plate.

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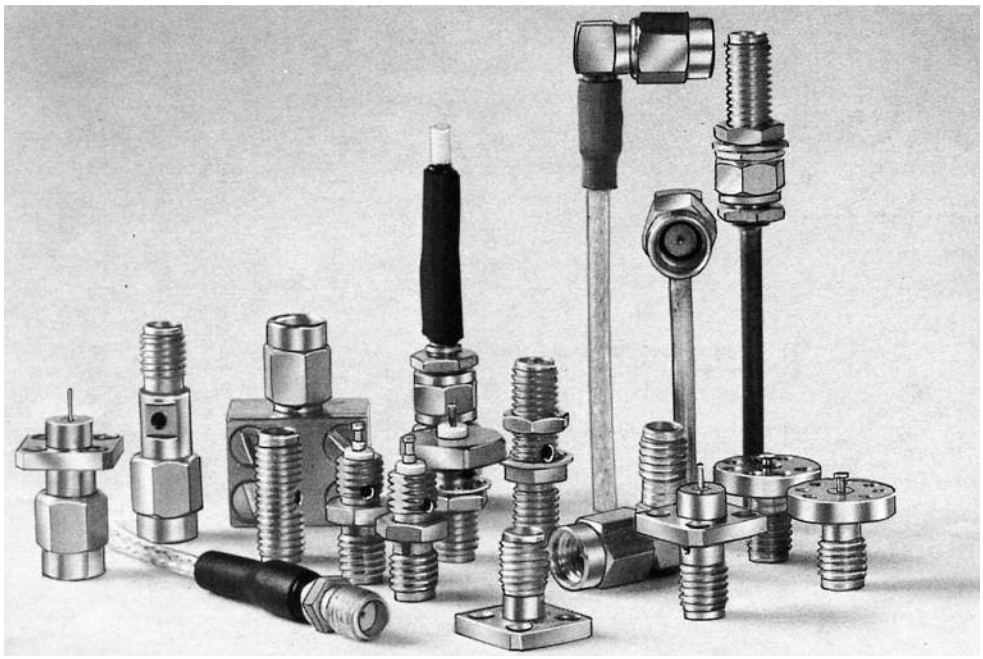
SSMA Subminiature Coaxial Connectors

Introduction



The success of the SMA connector created a need for a smaller version for reduced packaging requirements. The SSMA series was designed to a size compatible with smaller diameter semi-rigid cable. The coupling thread is 10-36 UNS thread.

Design and Construction

As with the SMA series, all shell and body parts are made of stainless steel for ruggedness and long life. The dielectric is solid PTFE fluorocarbon. The center contacts are made of beryllium copper, gold plated.

Types

SSMA connectors are available for both semi-rigid and flexible coaxial cable. Panel and bulkhead mount, strip transmission line type, microstrip transmission type and hermetically sealed connectors and in-series adapters give designers complete flexibility for component and system design.

Upper Operating Frequency Limits

The standard SSMA series allows operation to 38.0 GHz. The extended frequency SSMA series allows high order mode free operation beyond 40.0 GHz. The extended frequency series directly mates with the standard SSMA series with minimum discontinuity.

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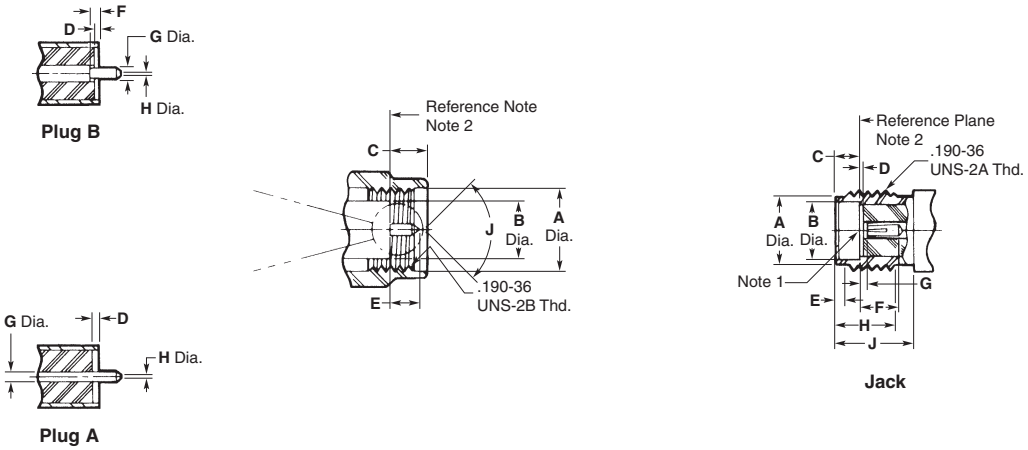
SSMA Subminiature Coaxial Connectors (Continued)

Interface Mating Dimensions



Plug

Dim.	Min.	Max.
A	**.196** 4.98	**.202** 5.13
B	**.124** 3.15	**.127** 3.22
C	**.100** 2.54	**.133** 3.38
D	**.000** 0.00	**.007** 0.25
E	**.050** 1.27	**.065** 1.65
F	**.000** 0.00	**.010** 0.25
G	**.020** 0.50	**.021** 0.53
H	**.000** 0.00	**.010** 0.25
J	70°	95°

Jack

Dim.	Min.	Max.
A	**.153** 3.89	**.160** 4.06
B	**.127** 3.23	**.130** 3.30
C	**.075** 1.91	**.077** 1.96
D	**.000** 0.00	**.007** 0.25
E	**.020** 0.51	**.040** 1.02
F	**.075** 1.91	—
G	**.000** 0.00	**.010** 0.25
H	**.190** 4.83	**.210** 5.33
J	**.230** 5.84	—

1. ID to meet VSWR and contact resistance when mated with .020 +.0008/-.0005 [0.51 +.0203/-.0127] dia. pin.
2. When fully engaged, the two reference planes must coincide with metal to metal contact.

SSMA Subminiature Coaxial Connectors (Continued)

Specifications

General	
Materials	Steel corrosion resistant per ASTM-A-582 and ASTM-A-484, Type 303. Beryllium copper per ASTM B 196. PTFE Fluorocarbon per ASTM-D-1457.
Finishes which	Center contacts shall be gold plated to a min. thickness of .00005 [0.0013] in accordance with MIL-G-45204, Typ I, Grade C. All other metal parts shall be finished as to provide a connector meets the corrosion requirements.
Design	The design shall be such that the outline shown in this catalog and the interface dimensions of MIL-STD-348A are met.
Electrical	
Insulation Resistance	The insulation resistance shall not be less than 5,000 megohms.
Corona Level	The connector shall not exhibit breakdown when the voltage is 190 volts rms at 70,000 ft.
Dielectric Withstanding Voltage	The magnitude of the test voltage shall be 750 volts rms at sea level.
RF HIgh Potential	The withstanding voltage is 500 volts rms at 5 MHz. Leakage current is not applicable.
Contact Resistance	Center contact resistance: 2 milliohms max. Outer contact resistance: 2 milliohms max.
VSWR	Refer to applicable military slash sheet or consult factory. Frequency range dependent on cable used.
RF Leakage	Refer to applicable military slash sheet or consult factory.
Insertion Loss	Refer to applicable military slash sheet or consult factory. Frequency range dependent on cable use.
Mechanical	
Force to Engage	The torque required to engage and disengage shall not exceed 2 in.-lbs. The longitudinal force is not applicable.
Coupling Nut Retention	60 lbs. min. Applicable for plug connectors only.
Coupling Proof Torque	5 in.-lbs. min. Applicable for plug connectors only.
Cable Retention	Refer to applicable military slash sheet or consult factory.
Mating Characteristics	Applicable to jack connectors only. Reference MIL-STD-348A for dimensions; oversize pin .021 [0.53] min. dia., .045 [1.14] deep; insertion force 3 lbs. max. with .0208 [0.528] min. dia. pin; withdrawal force 1 oz. min. with .0195 [0.495] max. dia. pin.
Connector Durability	The connector to be tested and its mating connector shall be subjected to 500 insertion and withdrawal cycles at 12 cycles per minute max. The connector shall show no evidence of mechanical failure and shall meet the mating characteristic requirements.
Recommended Mating Torque	5 in.-lbs.
Environmental	
Vibration	Specification MIL-STD-202, method 204, test condition D.
Shock	Specification MIL-STD-202, method 213, test condition I.
Thermal Shock	Refer to applicable military slash sheet or consult factory.
Corrosion (Salt Spray)	Specification MIL-STD-202, method 101, test condition B.
Moisture Resistance	Specification MIL-STD-202, method 106. No measurements at high humidity. Insulation resistance shall be at least 200 megohms within 5 minutes of removal from humidity.

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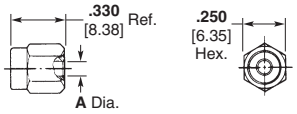
SSMA Subminiature Coaxial Connectors (Continued)

For Semi-Rigid Cable

.085 [2.16] Dia. Direct Solder Attachment

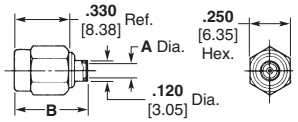
Straight Cable Plug (Without Center Contact)



Part No.	Reference Part No. (Ref. Only)	Dim. A	RG/U Cable
1045370-1	1001-7985-02	.088 2.22 Min.	405

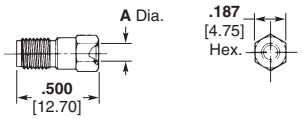
Electrical
DC — 40.0 GHz

Straight Cable Plug (With Center Contact)



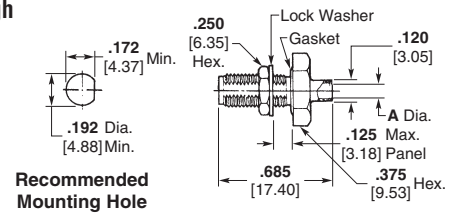
Part No.	Reference Part No. (Ref. Only)	Dim. A	Dim. B	RG/U Cable	DSCC Part No.
1045351-1	1001-5004-02	.088 2.22 Min.	.447 11.35 Ref.	405	—
1045358-1	1001-5045-92	.088 2.22 Min.	.467 11.86 Ref.	405	86116ZSG

Straight Cable Jack (With Center Contact)



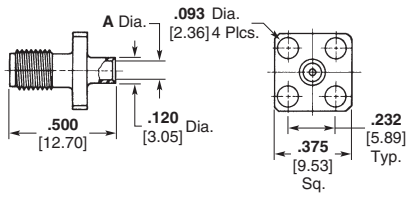
Part No.	Reference Part No. (Ref. Only)	Dim. A	RG/U Cable
1045381-1	1002-7985-00	.088 2.22 Min.	405

Bulkhead Feed-through Cable Jack



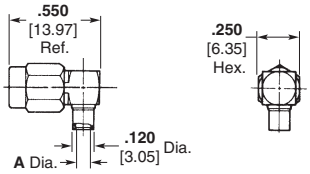
Part No.	Reference Part No. (Ref. Only)	Dim. A	RG/U Cable	DSCC Part No.
1045401-1	1004-7985-00	.088 2.22 Min.	405	—
1045398-1	1004-5005-90	.088 2.22 Min.	405	86117ZSG

Flange Mount Cable Jack



Part No.	Reference Part No. (Ref. Only)	Dim. A	RG/U Cable
1045410-1	1006-7985-00	.088 2.22 Min.	405

Right-Angle Cable Plug



Part No.	Reference Part No. (Ref. Only)	Dim. A	RG/U Cable	DSCC Part No.
1045423-1	1007-7985-02	.088 2.22 Min.	405	—
1045418-1	1007-5015-92	.088 2.22 Min.	405	86118ZSG

Finish: Passivated stainless steel, -02. For gold plated coupling nut, change the Part Number suffix from -02 to -00. Inner housing that is soldered to cable is gold plated.
Refer to recommended assembly tools in Application Tooling Section.

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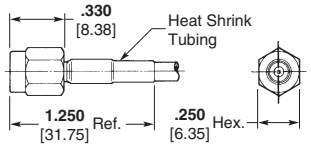
SSMA Subminiature Coaxial Connectors (Continued)

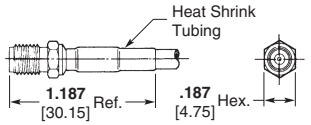
For Flexible Cable — Solder Attachment

Straight Cable Plug[1]



Part No.	Reference Part No. (Ref. Only)	RG/U Cable
1045477-1	1031-5001-02	178/U, 196
1045482-1	1031-5002-02	174/U, 179, 187, 188, 316

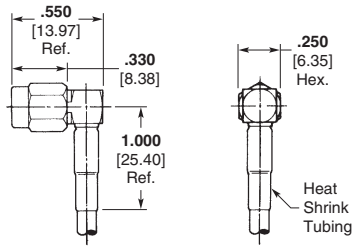
Straight Cable Jack



Part No.	Reference Part No. (Ref. Only)	RG/U Cable
1045496-1	1032-5001-00	178/U, 196
1045497-1	1032-5002-00	174/U, 179, 187, 188, 316

Finish: Gold plated. Inner housing that is soldered to cable is gold plated.

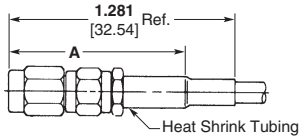
Right-Angle Cable Plug[1]



Part No.	Reference Part No. (Ref. Only)	RG/U Cable
1045507-1	1037-5001-00	178/U, 196
1045508-1	1037-5001-02	178/U, 196
1045511-1	1037-5002-02	174/U, 179, 187, 188, 316

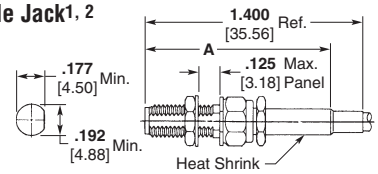
For Flexible Cable — Crimp Attachment

Straight Cable Plug[1, 2]



Part No.	Reference Part No. (Ref. Only)	Dim. A	RG/U Cable	DSCC Part No.
1045489-1	1031-7188-02	**1.062** 26.97 Ref.	174/U, 179, 187, 188, 316	—
1045486-1	1031-5031-92	**1.062** 26.97 Ref.	174, 316, 179	86119ZSG

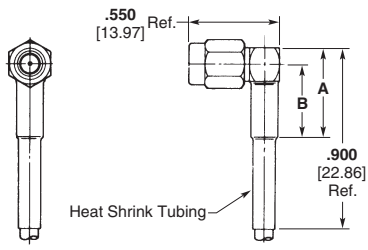
Bulkhead Feed-through Cable Jack[1, 2]



Recommended Mounting Hole

Part No.	Reference Part No. (Ref. Only)	Dim. A	RG/U Cable
1045506-1	1034-7196-02	**1.050** 26.67 Ref	178/U, 196
1045503-1	1034-7188-02	**1.180** 29.97 Ref.	174/U, 179, 187, 188, 316

Right-Angle Cable Plug[1, 2]



Part No.	Reference Part No. (Ref. Only)	Dim. A	Dim. B	RG/U Cable	DSCC Part No.
1045520-1	1037-7188-02	**.625** 15.88 Ref	**.525** 13.34 Ref.	174/U, 179, 187, 188, 316	—
1045517-1	1037-5032-92	**.625** 15.88 Ref	**.525** 13.34 Ref.	174, 316, 179	86120ZSG

Refer to recommended assembly tools in Application Tooling Section.

1. Finish: Passivated stainless steel, -02. For gold plated coupling nut, change the Part Number suffix from -02 to -00. Inner housing that is soldered to cable is gold plated.
2. Captured contact.
3. Non-captured contact

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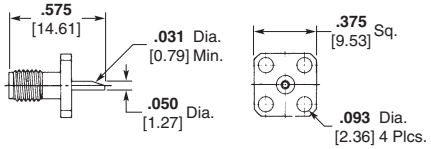
SSMA Subminiature Coaxial Connectors (Continued)

Panel Mount Receptacles

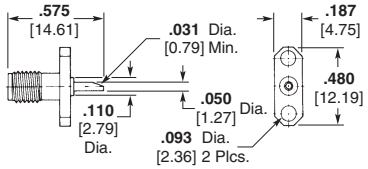
Solder Pot Terminals

Flange Mount Jack Receptacle[1]



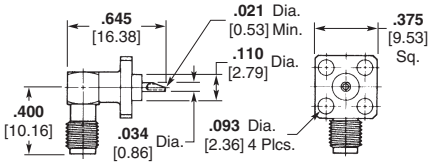
Reference Part No. (Ref. Only)	Part No.
1052-0000-00	1045568-1

Flange Mount Jack Receptacle[1]



Reference Part No. (Ref. Only)	Part No.
1052-1300-02	1045582-1

Flange Mount Jack Receptacle[1]



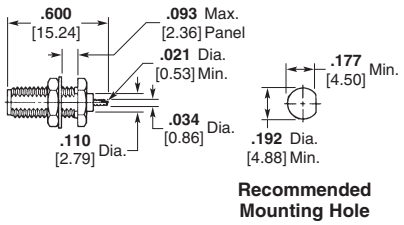
Reference Part No. (Ref. Only)	Part No.
1054-5005-02	1045621-1

Bulkhead Mount Receptacles

Solder Pot Terminals

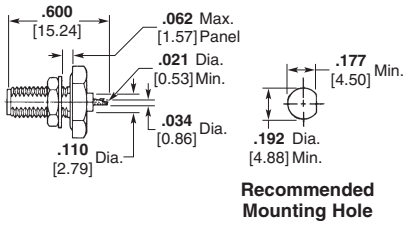
Bulkhead Feed-through Jack Receptacles[1]

Rear Mount



Reference Part No. (Ref. Only)	Part No.
1056-0000-02	1045630-1

Rear Mount (With "O" Ring)

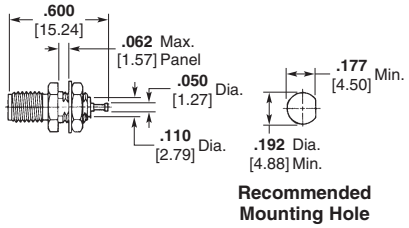


Reference Part No. (Ref. Only)	Part No.
1056-1100-02	1045632-1

Turret Terminal

Bulkhead Feed-through Jack Receptacle[1]

Front Mount



Reference Part No. (Ref. Only)	Part No.
1058-0000-02	1045637-1

Finish: Passivated stainless steel, -02. For gold plate, change the Part Number suffix from -02 to -00.
1. Captured Center Contact.

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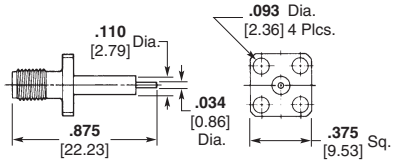
SSMA Subminiature Coaxial Connectors (Continued)

Panel Mount Receptacles

Straight Terminal

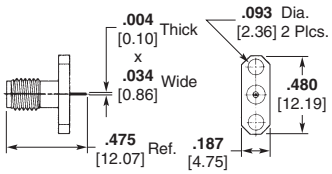
Flange Mount Jack Receptacle[2]



Reference Part No. (Ref. Only)	Part No.
1052-1200-02	1045576-1
1052-1201-02	1045578-1

Tab Terminal

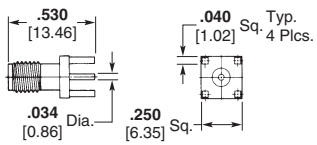
Flange Mount Jack Receptacle[2]



Reference Part No. (Ref. Only)	Part No.
1052-1302-02	1045586-1

Printed Circuit Boards

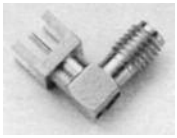
Straight Jack

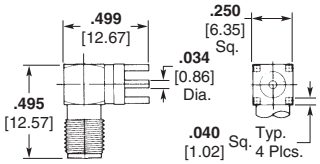


Reference Part No. (Ref. Only)	Part No.
1062-0000-00	1045672-1

Finish: Gold plate.

Right-Angle Jack



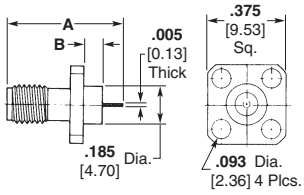


Reference Part No. (Ref. Only)	Part No.
1064-0000-00	1045677-1

Circuits

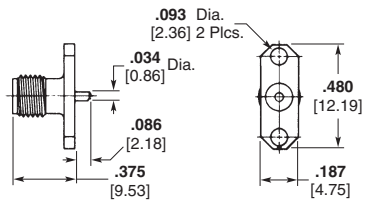
Microstrip Transmission Line Circuits, Flange Mount Jack[1]

Tab Terminal



Reference Part No. (Ref. Only)	Part No.	Dim. A	Dim. B
1052-1132-00	1045573-1	.600 15.24 Ref.	.125 3.18 Ref.

Solderless Compression Terminal



Reference Part No. (Ref. Only)	Part No.
1052-5013-00	1045607-1

Finish: Passivated stainless steel, -02. For gold plate, change the Part Number suffix from -02 to -00.
1. Captured center contact.
2. Non-captured center contact.

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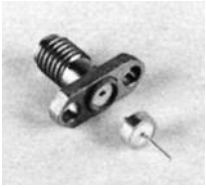
SSMA Subminiature Coaxial Connectors (Continued)

Hermetically Sealed

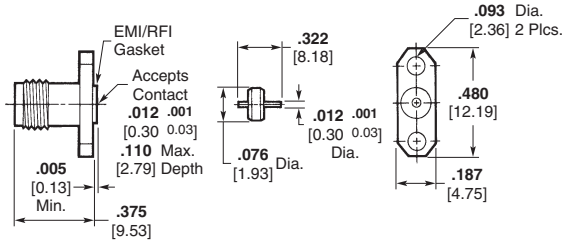
Metal-To-Metal Hermetic Seal

Jack Receptacle With EMI/RFI Gasket, Field Replaceable Solder and Braze-In[1, 4]



Electrical

VSWR (GHz) — 1.07 + .011f
RF Leakage (dB) — –(100 – fGHz)



Reference Part No. (Ref. Only)	Part No.
1052-3355-02	1045598-1

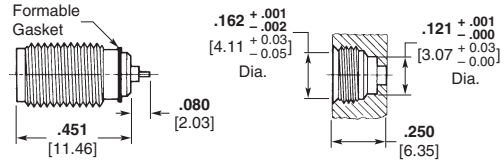
Feed-through Jack Receptacle, Formable Gasket[2, 4]

Electrical

VSWR (GHz) — 1.05 + .01f
RF Leakage (dB) — –(100 – fGHz)

Mechanical

Installation Thermal Limit — 250°C



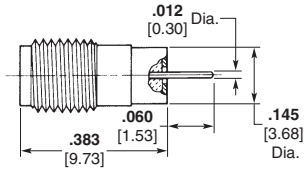
Recommended Mounting Hole

Reference Part No. (Ref. Only)	Part No.
1058-5014-00	1045651-1

Feed-through Jack Receptacle, Solder and Braze-In[3]

Electrical

VSWR (GHz) — 1.05 + .014f
RF Leakage (dB) — –(100 – fGHz)

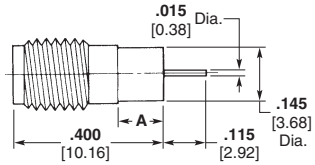


Reference Part No. (Ref. Only)	Part No.
1058-3203-00	1045647-1

Panel Feed-through Jack Receptacle, Solder and Braze-In

Electrical

VSWR (GHz) — 1.05 + .014f
RF Leakage (dB) — –(70 – fGHz)



Reference Part No. (Ref. Only)	Part No.	Dim. A
1058-3121-00	1045643-1	.093 2.36
1058-3123-00	1045646-1	.187 4.75

Finish: Gold plate.

1. Finish: Passivated stainless steel, -02. For gold plate, change the Part Number suffix from -02 to -00.
2. Finish: Gold plate, -00. For passivated stainless steel, change the Part Number suffix from -00 to -02. For nickel plate, change the suffix from -00 to -10.
3. Finish: Gold plate, -00. This unit has a unique self-matching compensation step, allowing direct attachment to the substrate, resulting in minimal package size.
4. Refer to recommended assembly tools in Application Tooling section.

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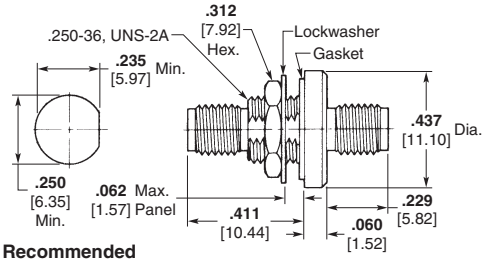
SSMA Subminiature Coaxial Connectors (Continued)

Hermetically Sealed
(Continued)

Panel Feed-through Hermetic Adapter

Jack to Jack[1]

Electrical
VSWR (GHz) — 1.10 + .01f
RF Leakage (dB) — –(100 – fGHz)



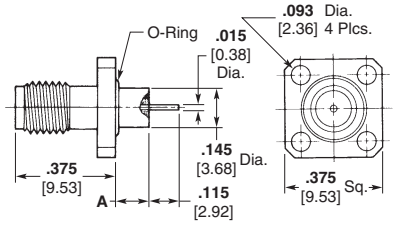
Recommended Mounting Hole

Reference Part No. (Ref. Only)	Part No.
1084-1100-00	1045725-1

O-Ring Gasket Hermetic Seal

Flange Mount Jack Receptacle[1, 2]

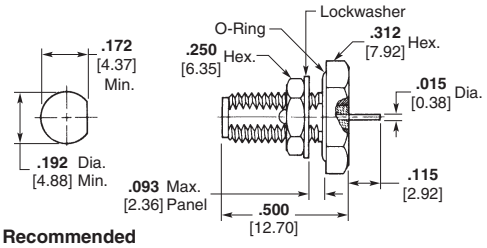
Electrical
VSWR (GHz) — 1.05 + .01f
RF Leakage (dB) — –(70 – fGHz)



Reference Part No. (Ref. Only)	Part No.	Dim. A
1052-3121-00	1045593-1	.093 2.36

Rear Mount Jack Receptacle[1, 2]

Electrical
VSWR (GHz) — 1.05 + .014f
RF Leakage (dB) — –(70 – fGHz)

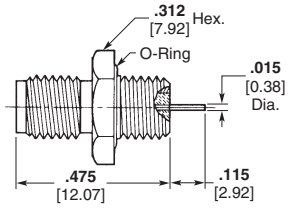


Recommended Mounting Hole

Reference Part No. (Ref. Only)	Part No.
1056-3100-00	1045633-1

Bulkhead Feed-through Front Mount Jack Receptacle

Electrical
VSWR (GHz) — 1.05 + .01f
RF Leakage (dB) — –(70 – fGHz)



Reference Part No. (Ref. Only)	Part No.
1058-3100-00	1045642-1

1. Finish: Gold plate, -00. For passivated stainless steel, change the Part Number suffix from -00 to -02.
2. On passivated versions (-02), pins are pre-tinned using Sn60 solder.

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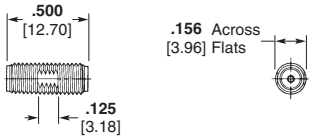
SSMA Subminiature Coaxial Connectors (Continued)

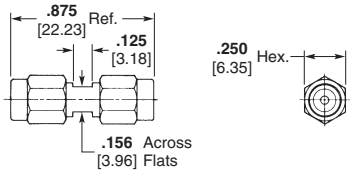
In-Series Adapters

Jack to Jack Adapter



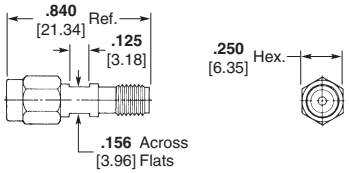
Reference Part No. (Ref. Only)	Part No.
1080-0000-02	1045701-1

Plug to Plug Adapter



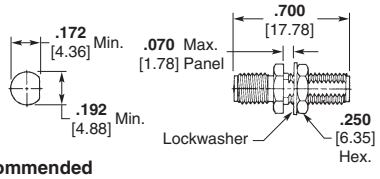
Reference Part No. (Ref. Only)	Part No.
1081-0000-02	1045704-1

Plug to Jack Adapter (Connector Saver)



Reference Part No. (Ref. Only)	Part No.
1082-0000-02	1045708-1

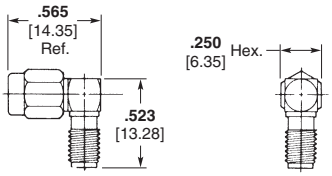
Bulkhead Mount Jack to Jack Adapter



Recommended Mounting Hole

Reference Part No. (Ref. Only)	Part No.
1084-0000-02	1045723-1

Right-Angle Plug to Jack Adapter



Reference Part No. (Ref. Only)	Part No.
1088-0000-02	1045747-1

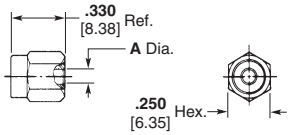
Finish: Passivated stainless steel, -02. For gold plate, change the Part Number suffix from -02 to -00.

SSMA Subminiature Coaxial Connectors (Continued)

High Frequency For Semi-Rigid Cable

.085 [2.16] and .070 [1.78] Dia. — Direct Solder Attachment

Straight Cable Plug (Without Center Contact)[1, 3]

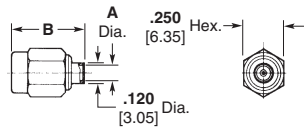


Specifications

Nominal Impedance — 50 ohms
Frequency Range — dc to 40 GHz
Voltage Standing Wave Ratio — 1.07 + .010 f (GHz)
Insertion Loss — .04 x $\sqrt{f\ (GHz)}$ = dB max.
Voltage Rating — 250 volts RMS max. working voltage

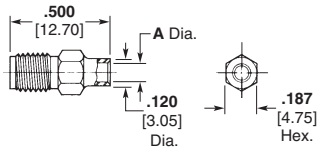
Reference Part No. (Ref. Only)	Part No.	Dim. A	RG/U Cable	Cable Dielectric
1001-7985-00	1045369-1	.087 2.2	405	Solid PTFE

Straight Cable Plug Center Contact[1, 3]



Reference Part No. (Ref. Only)	Part No.	Dim. A	Dim. B	RG/U Cable	Cable Dielectric
1401-7985-00	1046477-1	.088 2.22	.447 11.35	405	Solid PTFE

Straight Cable Jack[3]

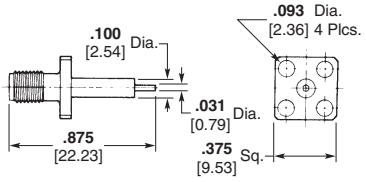


Reference Part No. (Ref. Only)	Part No.	Dim. A	RG/U Cable	Cable Dielectric
1402-7985-00	1046479-1	.088 2.22	405	Solid PTFE

Finish: Gold plate.

Panel Mount — Straight Terminal

Flange Mount Jack Receptacle[2, 4]



Reference Part No. (Ref. Only)	Part No.
1452-1201-02	1086451-1

1. Finish: Gold plated, -00. For passivated stainless steel coupling nut, change the Part Number suffix from -00 to -02. Inner housing that is soldered to cable is gold plated.
2. Finish: Passivated stainless steel, -02. For gold plate, change the Part Number suffix from -02 to -00.
3. Refer to recommended assembly tools in Appication Tooling Section.
4. Captured center contact.

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