



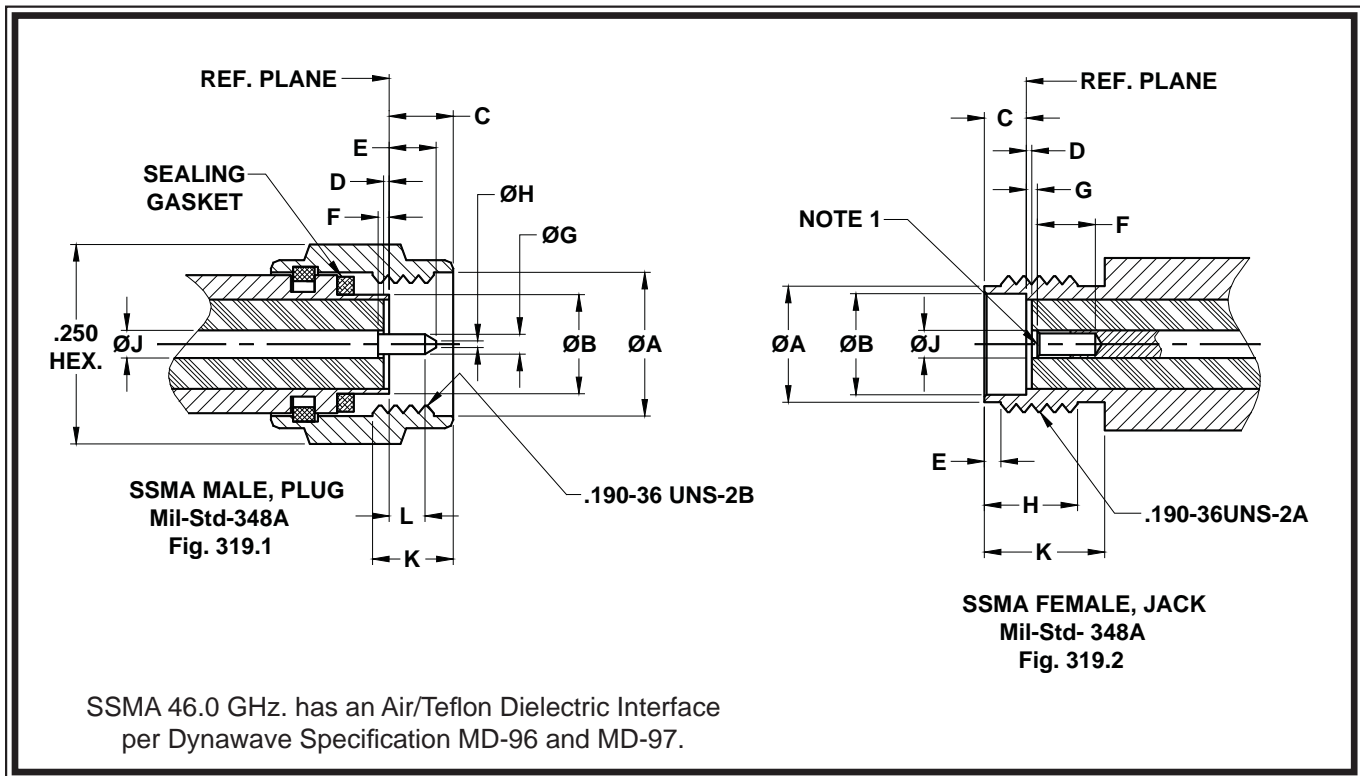
ssma



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dynawave
INCORPORATED

ssma • interface dimensions



male, plug

female, jack

LTR.	INCHES / MILLIMETERS ³			
	MINIMUM		MAXIMUM	
	IN.	MM.	IN.	MM.
A	.198	4.98	.202	5.13
B	.124	3.15	.1268	3.22
C	.100	2.54	.133	3.38
D*	.000	0.00	.010	0.25
E	.050	1.27	.065	1.65
F**	.000	0.00	.010	0.25
G	.0195	0.50	.0208	0.53
H	-----	-----	.010	0.25
J	.0355	0.85	.0348	0.88
K	.130	3.30	-----	-----
L	.038	0.96	-----	-----

LTR.	INCHES / MILLIMETERS ³			
	MINIMUM		MAXIMUM	
	IN.	MM.	IN.	MM.
A	.153	3.89	.160	
B	.127	3.23	.130	3.30
C	.075	1.90	.077	1.96
D*	.000	0.00	.010	0.25
E	.020	0.51	.040	1.02
F**	.075	1.91	-----	-----
G	.000	0.00	.010	0.25
H	.170	4.32	-----	-----
J	.0335	0.85	.0348	0.88
K	.230	5.84	-----	-----
L	-----	-----	-----	-----

* Dielectric Insulator Gap measured from connector body reference plane .000 inches maximum above (flush) to .010 inches maximum below.

** Center Contact Gap measured from connector body reference plane .000 inches maximum above (flush) to .010 maximum below.

Notes:

1. I.D. to meet VSWR and contact resistance when mated with .0208 / .0195 Dia. inches (0.53 / 0.50) Dia. millimeter pin.
2. When fully engaged, the two reference planes must coincide with metal-to-metal contact.
3. Metric equivalents (to the nearest 0.01mm) are given to general information only and are based on 1.0 millimeter=.03937 inchs.
4. These dimensions are subject to change according to the latest revisions of MIL-C-39012 and MIL-STD-348A.

Specifications are subject to change without notice

ssma specifications

The specifications below are general specifications for all SSMA connectors. Specific specifications for VSWR, insertion loss and R.F. leakage for each connector is available from Dynawave upon request. Specifications in the following table are recommended for any procurement documents or drawings

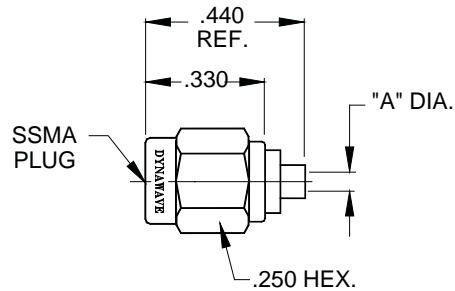
In the event of any conflict between these specifications and General Specification MIL-C-39012 these specifications shall govern. These specifications are subject to change according to the latest revision of MIL-C-39012.

REQUIREMENT	MIL-C-39012 PARAGRAPH	SPECIFICATIONS
GENERAL		
Material	3.3	Steel corrosion resistant per ASTM- A- 581 , Type 303, Cond. A Beryllium copper per ASTM-B196/B, 196M, Copper Alloy TFE Fluorocarbon per ASTM-D-1710, Type 1, Class 1, Grade B. Silicone Rubber per ZZ-R-765, CLASS IIB. 50-60 Shore.
Finish	3.3.1	Center contacts shall be gold plated to a minimum thickness of .00005-inch in accordance with ATSM-B-488, Type I, Code C. All other metal parts shall be finished so as to provide a connector which meets the corrosion requirements of this table.
Design	3.4	The design shall be such that the outline dimensions in this catalog are met. In addition the assembled connector shall meet the interface dimensions.
ELECTRICAL		
Insulation Resistance	3.11	The insulation resistance shall not be less than 5,000 megohms
Dielectric Withstanding Voltage	3.17	The magnitude of the test voltage shall be 750 volts rms at sea level
RF High Potential Withstanding Voltage	3.23	The RF high potential withstanding voltage is 500 volts rms at 5 MHz. Leakage is not applicable.
Contact Resistance	3.16	The center contact resistance drop shall not exceed 2.0 milliohms and the outer contact resistance drop shall not exceed 2.0 milliohms.
Voltage Standing Wave Ratio (VSWR)	3.14	See applicable connector specifications.
RF Leakage	3.26	See applicable connector specifications.
Insertion Loss	3.27	See applicable connector specification.
MECHANICAL		
Force to Engage and Disengage	3.5.1	The torque required to engage and disengage shall not exceed 2 inch pounds. The longitudinal force is not applicable.
Coupling Nut Retention Force	3.25	Not applicable for Female connectors. For Male connectors, the retention force is 60 pounds minimum. The Proof torque is 10 inch-pounds minimum.
Cable Retention force requirements shall not apply.	3.24	The force applied shall be 60 pounds minimum. The cable twisting and bending
Mating Characteristics	3.7	See interface dimensions shown on Page 50. Applicable to Females only: over size pin .021 minimum diameter .045 deep; Insertion force 3 pounds maximum with .0208 minimum diameter pin; withdrawal force 1 ounce minimum with .0195 maximum diameter pin.
Connector Durability	3.15	The connector to be tested and its mating connector shall be subjected to 500 insertions and withdrawal cycles at 12 cycles per minute maximum. The connector shall show no evidence of mechanical failure and connector shall meet the mating characteristic requirements.
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	Specification MIL-STD-202, Method 107, Test Condition B except high temperature shall be + 200°C.
Recommended Mating Torque		5-7 inch-pounds
Corrosion (Salt Spray)	3.13	Specification MIL-STD-202, Method 101, Test Condition B. The salt solution shall be five per cent.
Moisture Resistance	3.21	Specification MIL-STD-202, Method 106. Step 7b (vibration) shall be omitted. Insulation resistance shall be 200 megohms minimum within 5 minutes of removal from humidity.
Corona Level	3.22	The connector shall not exhibit breakdown (corona) when the applied voltage is 190 volts rms and the altitude is 70,000 feet.
Complete specifications on every connector in this catalog are available from Dynawave		

Specifications are subject to change without notice

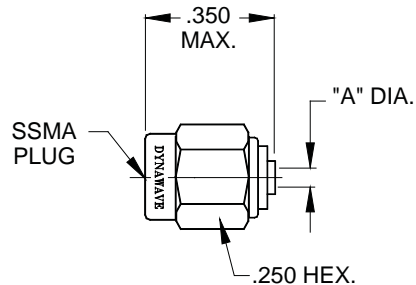
ssma • semi rigid cable connectors

male, plug, straight with center contact



PART NUMBER	"A" DIA.	CABLE TYPE	MATERIAL TYPE	FREQUENCY RANGE
9200-4720-6200	.051 MIN.	.047 SEMI-RIGID	STAINLESS STEEL	DC - 36.0 GHz.
9200-8520-6240	.089 MIN.	RG 405/U (.085)	STAINLESS STEEL	DC - 36.0 GHz.

male, plug, straight, low profile with no center contact

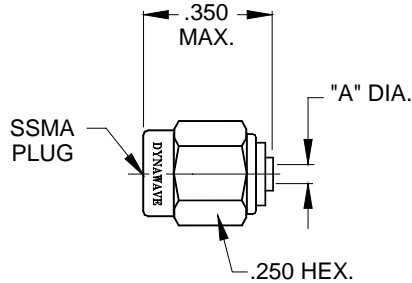


PART NUMBER	"A" DIA.	CABLE TYPE	MATERIAL TYPE	FREQUENCY RANGE
9200-8520-6244	.089 MIN.	RG 405/U (.085)	STAINLESS STEEL	DC - 60.0 GHz.
9200-8526-2300	.089 MIN.	RG 405/U (.085)	BRASS	DC - 60.0 GHz.

Specifications are subject to change without notice

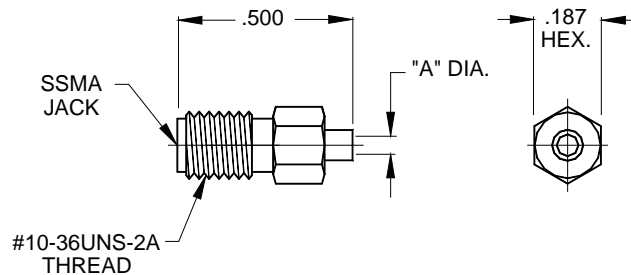
ssma • semi rigid cable connectors

male, plug, straight, retractable coupling nut, without center contact



PART NUMBER	"A" DIA.	CABLE TYPE	MATERIAL TYPE	FREQUENCY RANGE
9600-8526-2401	.089 MIN.	RG 405/U (.085)	BRASS	DC - 60.0 GHz.

female, jack, straight

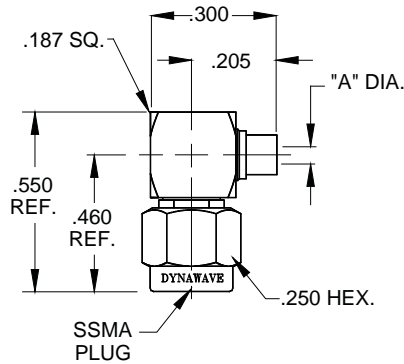


PART NUMBER	"A" DIA.	CABLE TYPE	MATERIAL TYPE	FREQUENCY RANGE
9300-4721-6444	.051 MIN.	.047 SEMI-RIGID	STAINLESS STEEL	DC - 36.0 GHz.
9300-8521-6444	.089 MIN.	RG 405/U (.085)	STAINLESS STEEL	DC - 36.0 GHz.

Specifications are subject to change without notice

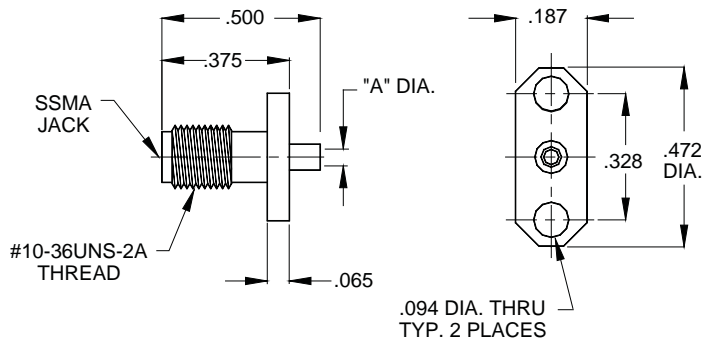
ssma • semi rigid cable connectors

male, plug, right angle



PART NUMBER	"A" DIA.	CABLE TYPE	MATERIAL TYPE	FREQUENCY RANGE
9201-4721-6420	.051 MIN.	.047 SEMI-RIGID	STAINLESS STEEL	DC - 12.4 GHz.
9201-8521-6420	.089 MIN.	RG 405/U (.085)	STAINLESS STEEL	DC - 12.4 GHz.

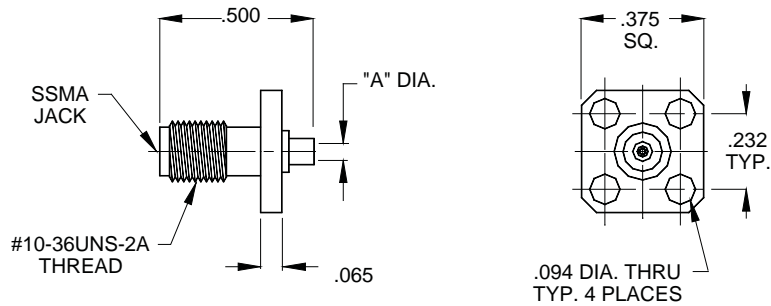
female, jack, 2 hole flange mount



PART NUMBER	"A" DIA.	CABLE TYPE	MATERIAL TYPE	FREQUENCY RANGE
9752-4725-6440	.051 MIN.	.047 SEMI-RIGID	STAINLESS STEEL	DC - 46.0 GHz.
9352-8525-6440	.089 MIN.	RG 405/U (.085)	STAINLESS STEEL	DC - 36.0 GHz.

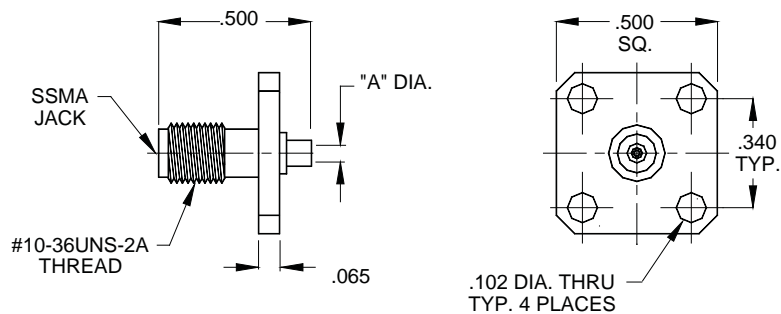
ssma • semi rigid cable connectors

female, jack, 4 hole flange mount



PART NUMBER	"A" DIA."	CABLE TYPE	MATERIAL TYPE	FREQUENCY RANGE
9754-4722-6440	.051 MIN.	.047 SEMI-RIGID	STAINLESS STEEL	DC - 46.0 GHz.
9354-8522-6440	.089 MIN.	RG 405/U (.085)	STAINLESS STEEL	DC - 36.0 GHz.

female, jack, 4 hole flange mount

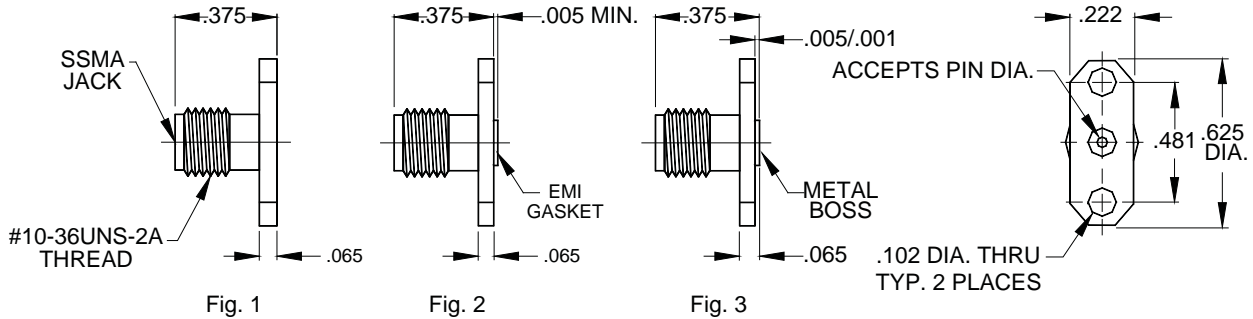


PART NUMBER	"A" DIA.	CABLE TYPE	MATERIAL TYPE	FREQUENCY RANGE
9754-4721-6400	.051 MIN.	.047 SEMI-RIGID	STAINLESS STEEL	DC - 46.0 GHz.
9354-8521-6400	.089 MIN.	RG 405/U (.085)	STAINLESS STEEL	DC - 36.0 GHz.

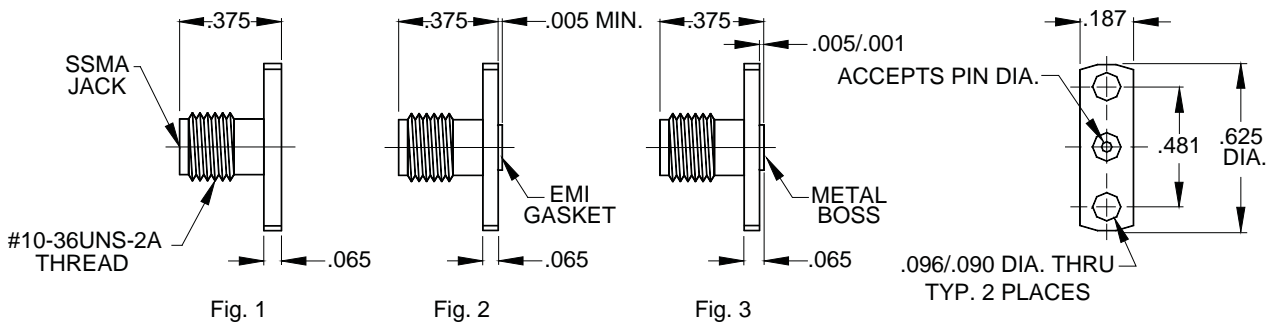
Specifications are subject to change without notice

ssma • field replaceable connectors

female, jack, 2 hole flange mount



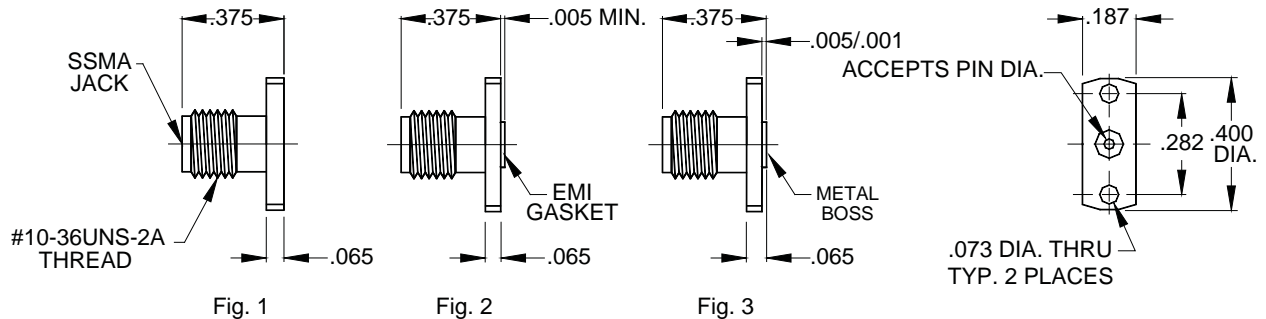
PART NUMBER	Fig.	ACCEPTS PIN DIA.	FREQUENCY RANGE
9352-0081-6201	1	.016/.011	DC - 36.0 GHz.
9352-0781-6201	2	.016/.011	DC - 36.0 GHz.
9352-0881-6201	3	.016/.011	DC - 36.0 GHz.
9752-0081-6201	1	.016/.011	DC - 46.0 GHz.
9752-0781-6201	2	.016/.011	DC - 46.0 GHz.
9752-0881-6201	3	.016/.011	DC - 46.0 GHz.



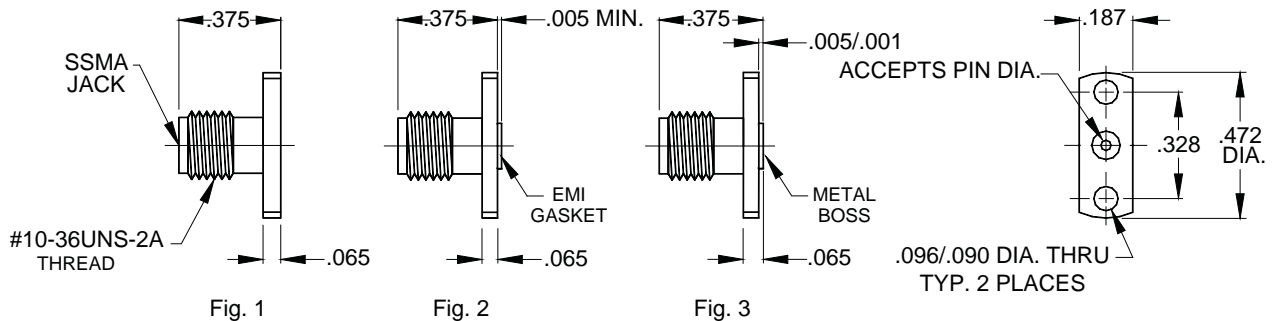
PART NUMBER	Fig.	ACCEPTS PIN DIA.	FREQUENCY RANGE
9352-0081-6202	1	.016/.011	DC - 36.0 GHz.
9352-0781-6202	2	.016/.011	DC - 36.0 GHz.
9352-0881-6202	3	.016/.011	DC - 36.0 GHz.
9752-0081-6203	1	.016/.011	DC - 46.0 GHz.
9752-0781-6203	2	.016/.011	DC - 46.0 GHz.
9752-0881-6203	3	.016/.011	DC - 46.0 GHz.

ssma • field replaceable connectors

female, jack, 2 hole flange mount



PART NUMBER	Fig.	ACCEPTS PIN DIA.	FREQUENCY RANGE
9752-0081-6211	1	.016/.011	DC - 46.0 GHz.
9752-0781-6211	2	.016/.011	DC - 46.0 GHz.
9752-0881-6211	3	.016/.011	DC - 46.0 GHz.



PART NUMBER	Fig.	ACCEPTS PIN DIA.	FREQUENCY RANGE
9352-0081-6200	1	.016/.011	DC - 36.0 GHz.
9352-0781-6200	2	.016/.011	DC - 36.0 GHz.
9352-0881-6200	3	.016/.011	DC - 36.0 GHz.
9352-0081-6220	1	.021/.017	DC - 36.0 GHz.
9352-0781-6220	2	.021/.017	DC - 36.0 GHz.
9352-0881-6220	3	.021/.017	DC - 36.0 GHz.
9752-0081-6215	1	.016/.011	DC - 46.0 GHz.
9752-0781-6215	2	.016/.011	DC - 46.0 GHz.
9752-0881-6215	3	.016/.011	DC - 46.0 GHz.

Specifications are subject to change without notice

ssma • field replaceable connectors

female, jack, 4 hole flange mount

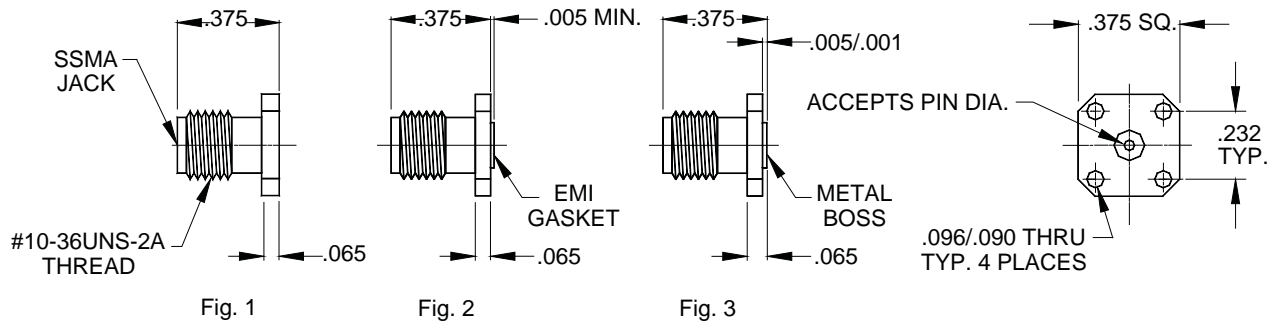


Fig. 1

Fig. 2

Fig. 3

PART NUMBER	Fig.	ACCEPTS PIN DIA.	FREQUENCY RANGE
9354-0081-6215	1	.016/.011	DC - 36.0 GHz.
9354-0781-6215	2	.016/.011	DC - 36.0 GHz.
9354-0881-6215	3	.016/.011	DC - 36.0 GHz.
9354-0081-6218	1	.019/.014	DC - 36.0 GHz.
9354-0781-6218	2	.019/.014	DC - 36.0 GHz.
9354-0881-6218	3	.019/.014	DC - 36.0 GHz.
9754-0081-6215	1	.016/.011	DC - 46.0 GHz.
9754-0781-6215	2	.016/.011	DC - 46.0 GHz.
9754-0881-6215	3	.016/.011	DC - 46.0 GHz.
9754-0081-6218	1	.019/.014	DC - 46.0 GHz.
9754-0781-6218	2	.019/.014	DC - 46.0 GHz.
9754-0881-6218	3	.019/.014	DC - 46.0 GHz.

male, plug, 2 hole flange mount

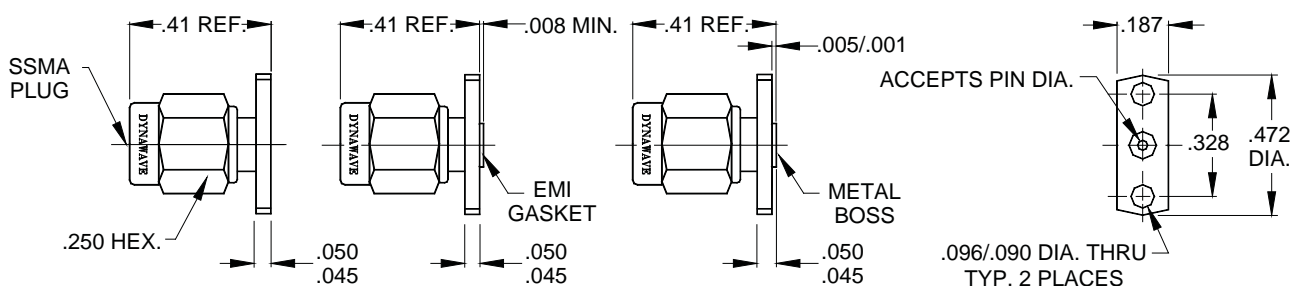


Fig. 1

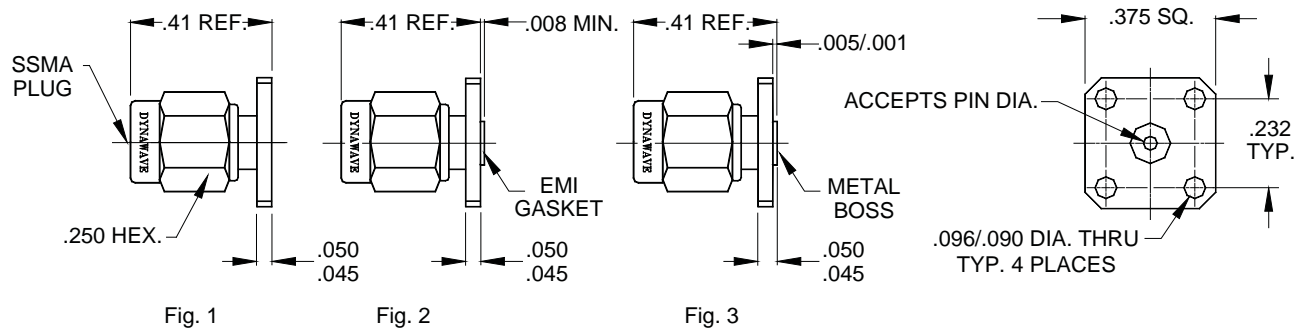
Fig. 2

Fig. 3

PART NUMBER	Fig.	ACCEPTS PIN DIA.	FREQUENCY RANGE
9252-0081-6215	1	.016/.011	DC - 36.0 GHz.
9252-0781-6215	2	.016/.011	DC - 36.0 GHz.
9252-0881-6215	3	.016/.011	DC - 36.0 GHz.
9652-0081-6215	1	.016/.011	DC - 46.0 GHz.
9652-0781-6215	2	.016/.011	DC - 46.0 GHz.
9652-0881-6215	3	.016/.011	DC - 46.0 GHz.

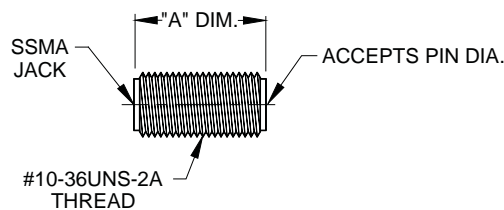
ssma • field replaceable connectors

male, plug, 4 hole flange mount



PART NUMBER	Fig.	ACCEPTS PIN DIA.	FREQUENCY RANGE
9254-0081-6215	1	.016/.011	DC - 36.0 GHz.
9254-0781-6215	2	.016/.011	DC - 36.0 GHz.
9254-0881-6215	3	.016/.011	DC - 36.0 GHz.
9654-0081-6215	1	.016/.011	DC - 46.0 GHz.
9654-0781-6215	2	.016/.011	DC - 46.0 GHz.
9654-0881-6215	3	.016/.011	DC - 46.0 GHz.

female, jack, thread-in



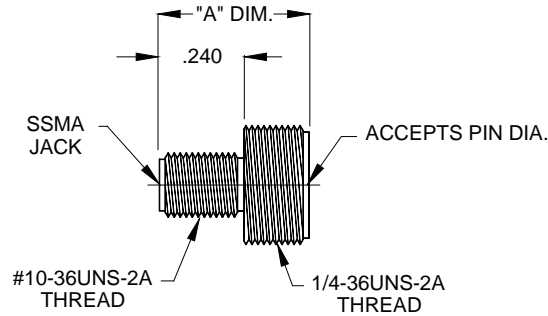
TORQUE TOOL : 93-TORQUE-20

PART NUMBER	ACCEPTS PIN DIA.	"A" DIM.	FREQUENCY RANGE
9330-0081-6212	.016/.011	.450	DC - 36.0 GHz.
9330-0081-6214	.016/.011	.400	DC - 36.0 GHz.
9330-0881-6218	.016/.011	.800	DC - 36.0 GHz.
9730-0081-6215	.016/.011	.375	DC - 46.0 GHz.
9730-0081-6218	.019/.014	.375	DC - 46.0 GHz.

Specifications are subject to change without notice

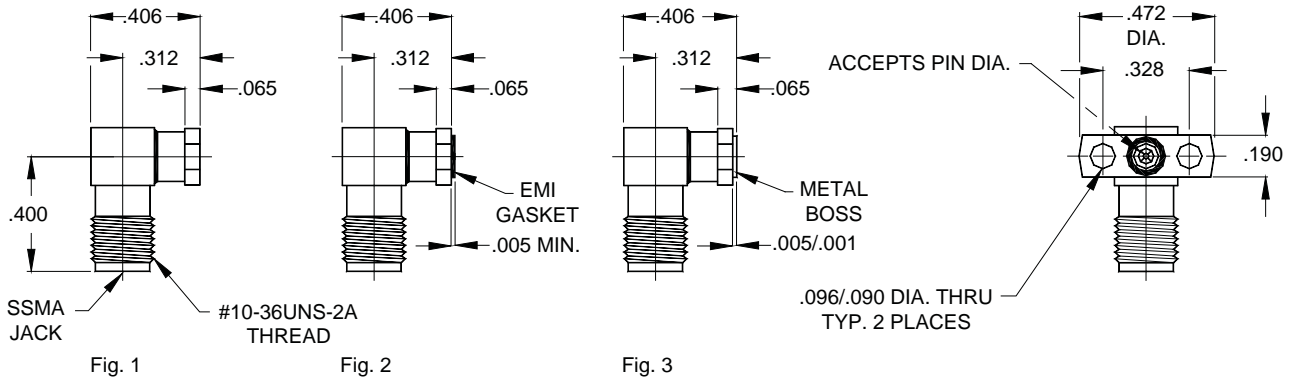
ssma • field replaceable connectors

female, jack, thread-in



PART NUMBER	ACCEPTS PIN DIA.	"A" DIM.	FREQUENCY RANGE
9330-0081-6275	.016/.011	.375	DC - 36.0 GHz.
9330-0081-6280	.021/.017	.375	DC - 36.0 GHz.

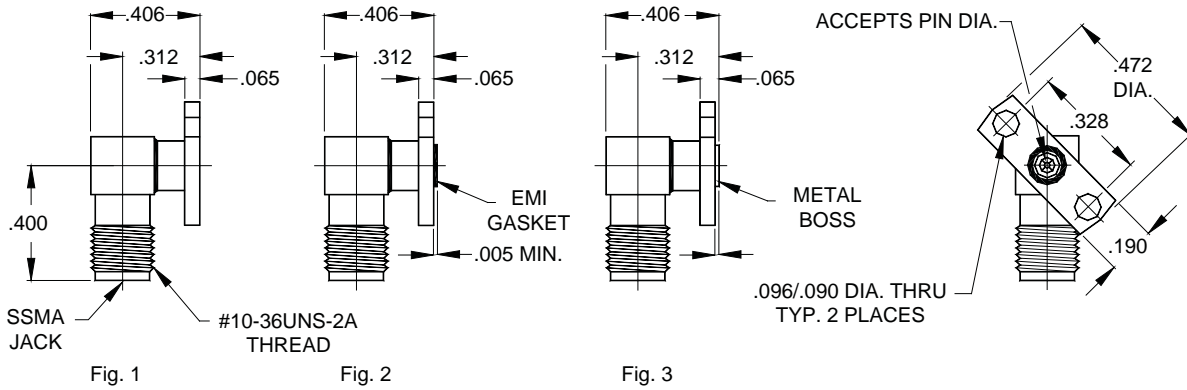
female, jack, 2 hole, right angle, flange mount



PART NUMBER	Fig.	ACCEPTS PIN DIA.	FREQUENCY RANGE
9756-0081-6215	1	.016/.011	DC - 40.0 GHz.
9756-0781-6215	2	.016/.011	DC - 40.0 GHz.
9756-0881-6215	3	.016/.011	DC - 40.0 GHz.
9756-0081-6220	1	.021/.017	DC - 40.0 GHz.
9756-0781-6220	2	.021/.017	DC - 40.0 GHz.
9756-0881-6220	3	.021/.017	DC - 40.0 GHz.

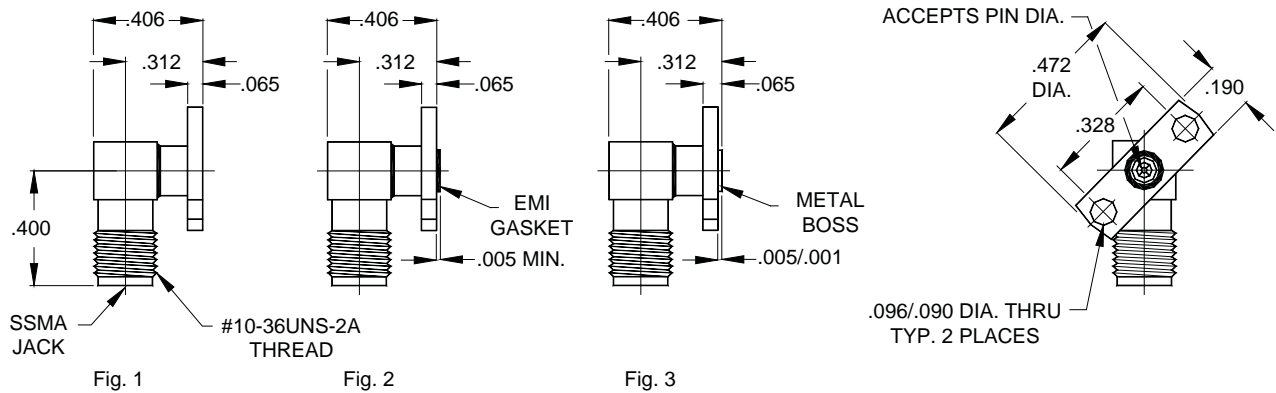
ssma • field replaceable connectors

female, jack, 2 hole, right angle, flange mount



PART NUMBER	Fig.	ACCEPTS PIN DIA.	FREQUENCY RANGE
9756-2081-6213	1	.016/.011	DC - 40.0 GHz.
9756-2781-6213	2	.016/.011	DC - 40.0 GHz.
9756-2881-6213	3	.016/.011	DC - 40.0 GHz.
9756-2081-6223	1	.021/.017	DC - 40.0 GHz.
9756-2781-6223	2	.021/.017	DC - 40.0 GHz.
9756-2881-6223	3	.021/.017	DC - 40.0 GHz.

female, jack, 2 hole, right angle, flange mount

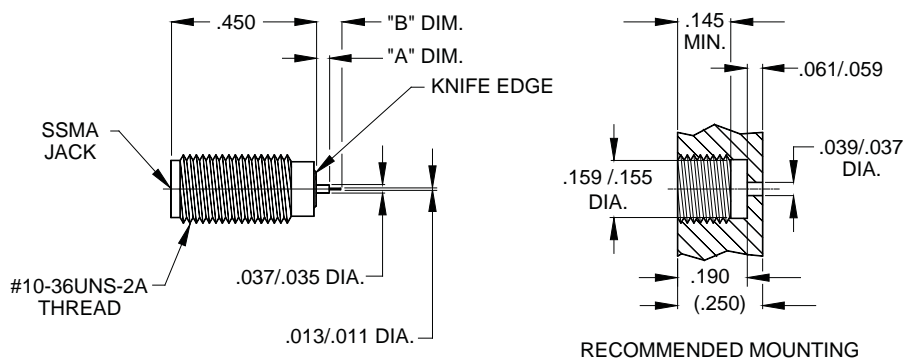


PART NUMBER	Fig.	ACCEPTS PIN DIA.	FREQUENCY RANGE
9756-1081-6213	1	.016/.011	DC - 40.0 GHz.
9756-1781-6213	2	.016/.011	DC - 40.0 GHz.
9756-1881-6213	3	.016/.011	DC - 40.0 GHz.
9756-1081-6223	1	.021/.017	DC - 40.0 GHz.
9756-1781-6223	2	.021/.017	DC - 40.0 GHz.
9756-1881-6223	3	.021/.017	DC - 40.0 GHz.

Specifications are subject to change without

ssma • hermetic connectors

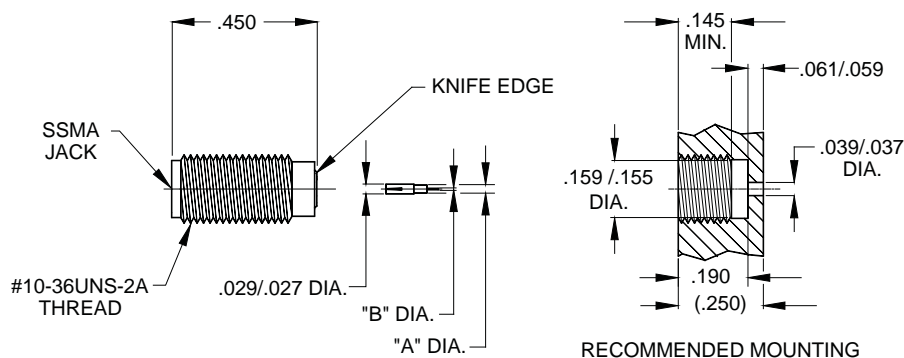
female, jack, thread-in “sparkplug”



TORQUE TOOL : 93-TORQUE-20

PART NUMBER	“A” DIM.	“B” DIM.	MATERIAL TYPE	FREQUENCY RANGE
9330-0431-6465	.063/.057	.075	STAINLESS STEEL	DC - 36.0 GHz.
9330-0431-6461	.059/.053	.082	STAINLESS STEEL	DC - 36.0 GHz.
9330-0431-6464	.043/.038	.085/.078	STAINLESS STEEL	DC - 36.0 GHz.
9330-0431-6460	.063/.057	.100	STAINLESS STEEL	DC - 36.0 GHz.
9330-0431-6466	.059/.053	.100	STAINLESS STEEL	DC - 36.0 GHz.
9330-0431-6462	.063/.057	.105	STAINLESS STEEL	DC - 36.0 GHz.

female, jack, thread-in “sparkplug” sliding contact

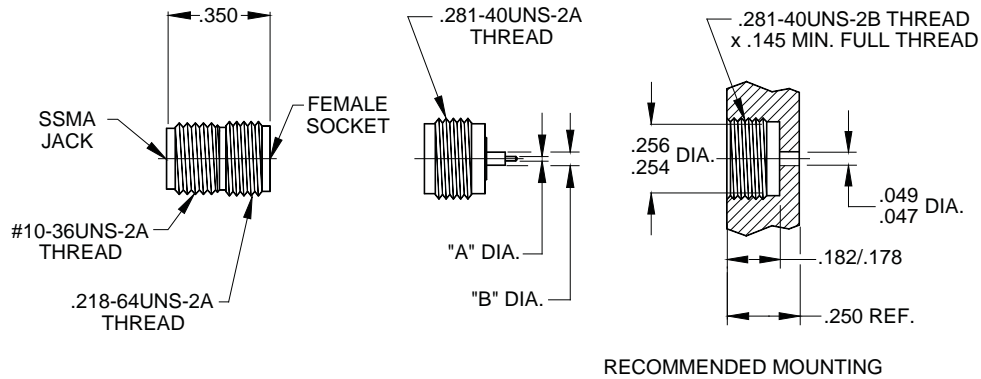


TORQUE TOOL : 93-TORQUE-20

PART NUMBER	“A” DIM.	“B” DIM.	MATERIAL TYPE	FREQUENCY RANGE
9330-0441-6415	.0175/.0160	.014/.011	STAINLESS STEEL	DC - 36.0 GHz.

ssma • hermetic connectors

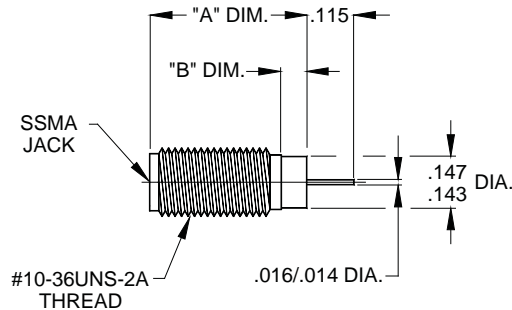
female, jack, thread-in, knife edge, field replaceable “sparkplug”



TORQUE TOOL : 93-TORQUE-30

PART NUMBER	"A" DIA.	"B" DIA.	MATERIAL TYPE	FREQUENCY RANGE
9333-0431-6215	.016/.015	.046/.044	STAINLESS STEEL	DC - 26.5 GHz.

female, jack, solder-in

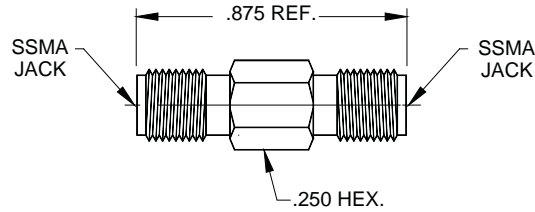


PART NUMBER	"A" DIM.	"B" DIM.	MATERIAL TYPE	FREQUENCY RANGE
9740-0431-6415	.437	.189/.185	STAINLESS STEEL	DC - 26.5 GHz.
9740-0431-6416	.335	.095/.091	STAINLESS STEEL	DC - 26.5 GHz.
9740-0431-6418	.400	.187/.185	STAINLESS STEEL	DC - 26.5 GHz.

Specifications are subject to change without notice

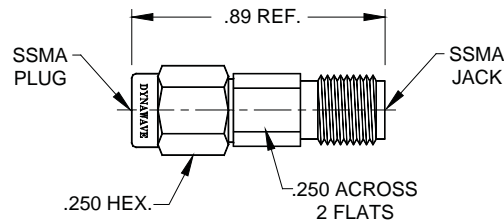
ssma • in-series adapters

straight, female, jack to female, jack



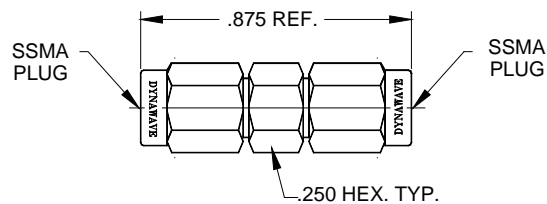
PART NUMBER	MATERIAL TYPE	FREQUENCY RANGE
1100-9393-6200	STAINLESS STEEL	DC - 36.0 GHz.

straight, male, plug to female, jack



PART NUMBER	MATERIAL TYPE	FREQUENCY RANGE
1100-9293-6220	STAINLESS STEEL	DC - 36.0 GHz.

straight, male, plug to male, plug



PART NUMBER	MATERIAL TYPE	FREQUENCY RANGE
1100-9292-6200	STAINLESS STEEL	DC - 36.0 GHz.