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ALL DIMENSIONS ARE REFERENCE ONLY

**SPECIFICATIONS:**

**IMPEDANCE RANGE:** 50 Ohms  
**FREQUENCY RANGE:** DC to 34 GHz  
**VSWR:** 1.04 + .006 f (f=GHz) Max. DC-34 GHz  
**CONTACT RESISTANCE:**  
 Outer Contact= 2.0 milliohms  
 Center Contact= 3.0 milliohms  
**CONNECTOR DURABILITY:** 500 Cycles minimum  
**TEMPERATURE RANGE:** -55° C TO 105° C

**MATERIALS:**

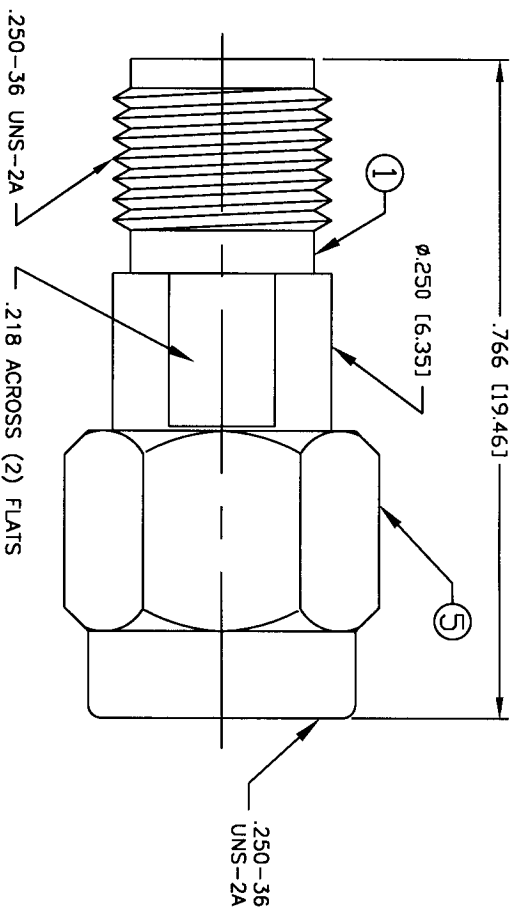
**Body and Body Components:**  
 Non-Magnetic stainless steel, per ASTM  
 A582, class 303 condition A.  
**Contacts:** Beryllium copper,  
 per QQ-C-530, heat treated per  
 MIL-H-7199  
**Insulators:** PTFE  
 MIL-P-19468, ASTM-D1710

**Center Contacts:**

.000050 min. gold per MIL-G-45204B  
 Type II, Grade C, Class 1  
 over .000050 min. Nickel per  
 QQ-N-290A

**Other Metal Parts:**  
 Passivated, (as specified)  
 to meet the finish and  
 corrosion requirements of MIL-C-39012.

#	DESCRIPTION	QTY	MATERIAL	FINISH	APPROVALS	DATE
1	BODY	1	SST. 303	PASSIVATE	000000	
2	BODY	1	SST. 303	PASSIVATE		
3	CONTACT	1	Be.Cu.	GOLD, 50µ"		
4	CONTACT	1	Be.Cu.	GOLD, 50µ"		
5	COUPLING NUT	1	SST. 303	PASSIVATE		
6	RETAINING RING	1	Be.Cu.	---		
7	GASKET	1	SILICONE	---		
8	DIELECTRIC	1	REXOLITE	---		
9						
10						
11						
12						
13						
14						



**UNLESS OTHERWISE SPECIFIED:**

- REMOVE ALL BURRS
- BREAK ALL CORNERS & EDGES .005 R. MAX.
- CHAMFER 1ST & LAST THREADS 45°
- SURFACE ROUGHNESS 63 FINISH MIL-STD-10
- DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN .002 T.I.R.
- ALL DIMENSIONS ARE AFTER PLATING.

**DIMENSIONS ARE IN INCHES AND [MILLIMETERS]**

UNLESS OTHERWISE NOTED TOLERANCES ARE:

DECIMALS .xxx±.003 [.08]

DIAMETER .xxx±.001 [.03]

xxx±.005 [.13]

PART NO.		DESCRIPTION		DWN	DATE	APPROVED
RF35M-35F-00000		ENGINEERING RELEASE		CZS	5/26/00	JDMc
REV						

**RF connectors**  
 DIVISION OF RF INDUSTRIES, LTD.

**3.5mm PLUG TO JACK**  
 ADAPTER

7610 MIRAMAR RD  
 SAN DIEGO, CA 92126  
 (858) 549-6340  
 (858) 549-6345 FAX

SIZE: A  
 CABLE GROUP: N/A  
 DWG. NO.: RF35M-35F-00000  
 SCALE: NTS  
 CAD FILE: OUTLINE  
 SHEET 1 OF 1