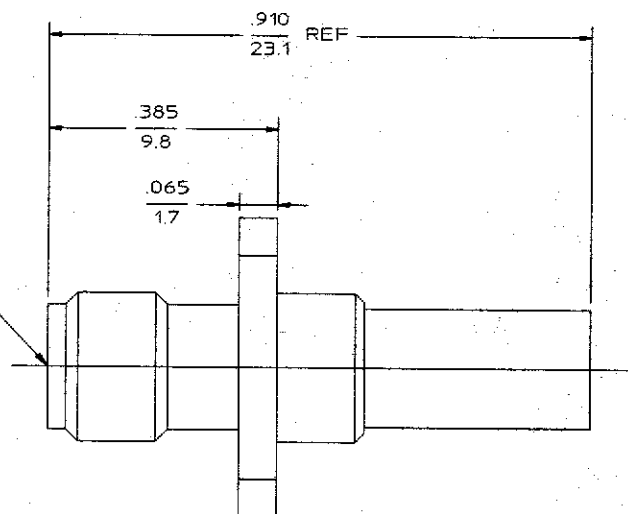
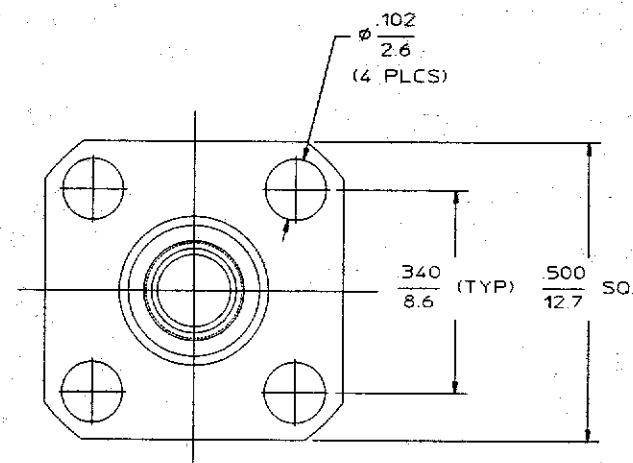




DESIGNED FOR USE WITH	
RG-142/U	
CABLE ENTRY DIAMETER MINIMUM	
FERRULE	.218
HOUSING	.121
CONTACT	.041

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
01 ₀	RELEASED	11/26/96	<i>RAC</i>



ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) 50	Interface Dimensions MIL-STD-348A, Fig. 310-2	Temperature Rating -65 TO +165°C
Frequency Range (GHz) DC to 12.4	Recommended Mating Torque 7-10 IN-LBS	Vibration MIL-STD-202, Method 204, Condition D
Volt Rating (VRMS MAX)	Mating Characteristics:	Shock MIL-STD-202, Method 213, Condition I
Sea Level 335	Insertion (MAX Lbs) 2	Thermal Shock MIL-STD-202, Method 107, Condition B
VSWR 1.15 + 0.01 (GHz)	Withdrawal (MIN Oz) 1	Except High Temp +85°C
Insertion Loss (dB MAX) .06 (MHz)	Force to Engage and Disengage (In-Lbs MAX) 2	Moisture Resistance MIL-STD-202, Method 106
RF Leakage (dB MIN) -60	Center Contact Captivation	Corrosion - MIL-STD-202, Method 101, Condition B, 5% salt spray
Corona, 70,000 Ft (VRMS MIN) 250	Axial (Lbs) 6	
Dielectric Withstanding Voltage (VRMS MIN) Sea Level 1,000	Radial (In-Oz) N/A	
Contact Resistance (Milliamps MAX)	Cable Retention	
Center Contact 3.0	Axial Force (Lbs) 45	
Outer Contact 2.0	Torque (In-Oz) N/A	
Cable to Housing 0.5	Weight (Grams) TBD	
RF High Potential Sea Level (VRMS MIN) 5 MHz 670		
IR (Megohms MIN) 5,000		

COMPONENT	MATERIAL	FINISH												
HOUSING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER QQ-P-35												
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A												
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B-196 OR ASTM-B-197, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204												
FERRULE	COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM	GOLD PLATE PER MIL-G-45204												
<table> <tr> <td>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES</td> <td>DRAWN BY K. LE</td> <td>DATE 9-26-96</td> </tr> <tr> <td>FRACTION 1/64</td> <td>DECIMAL .005</td> <td>ANGLES 1°</td> </tr> <tr> <td colspan="3"> THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF M/A COM INTERCONNECT DIV. AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF A ITEM(S) WITHOUT WRITTEN PERMISSION. </td></tr> <tr> <td colspan="3"> USE ASSY PROCEDURE NO. AP-20-534 </td></tr> </table>			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY K. LE	DATE 9-26-96	FRACTION 1/64	DECIMAL .005	ANGLES 1°	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF M/A COM INTERCONNECT DIV. AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF A ITEM(S) WITHOUT WRITTEN PERMISSION.			USE ASSY PROCEDURE NO. AP-20-534		
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Customer 1052049 Rev 0
Sheet 1 of 1

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