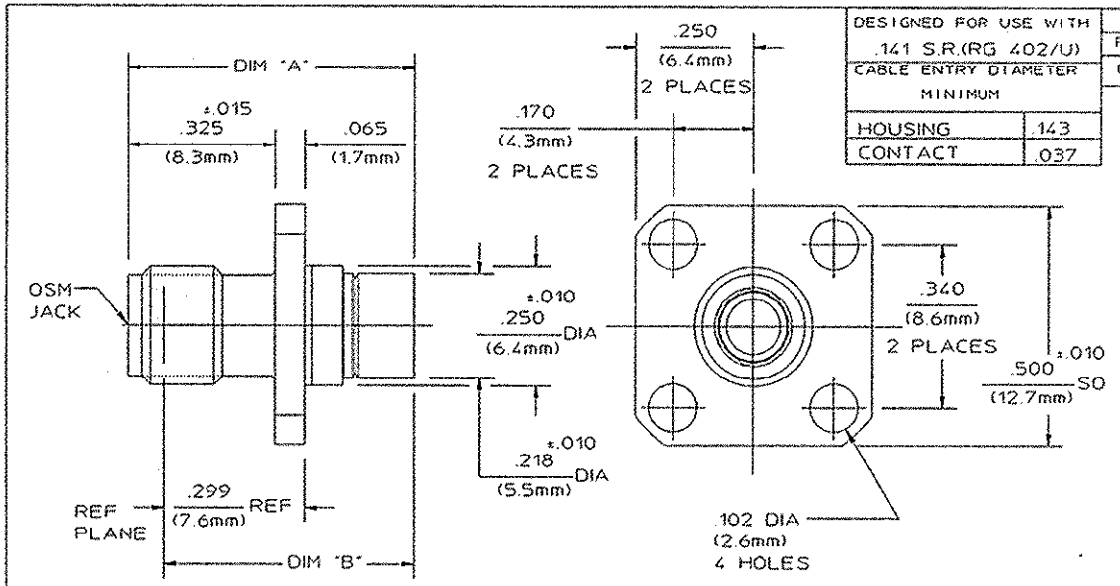

DESIGNED FOR USE WITH .141 S.R.(RG 402/U)	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.143
CONTACT	.037

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
03_1	REVISED PER ECN 93-0153	D.CAM 6/1/93	7/7/93

NOTES:

1. PICTORIAL VIEW IS AFTER CRIMPING
2. MIN STRAIGHT CABLE LENGTH: .292
3. IT IS SUGGESTED TO BEND CABLE PRIOR TO CRIMPING

BEFORE CRIMPING	.721 REF (18.3 mm)	.645 REF (16.4 mm)
AFTER CRIMPING	.620 MAX (15.7 mm)	.530 REF (13.5 mm)
	DIM "A"	DIM "B"

ELECTRICAL	
Nominal Impedance (Ohms) 50	
Frequency Range (GHz) DC to 18	
Volt Rating (VRMS MAX)	
@ Sea Level 500	
VSWR 1.05+.01(GHz)	
Insertion Loss (dB MAX) .03x $\sqrt{f(GHz)}$	
RF Leakage (dB MIN) -90 @ 2-3 GHz	
Corona, 70,000 Ft (VRMS MIN) 375	
Dielectric Withstanding Voltage	
(VRMS MIN) @ Sea Level 1500	
Contact Resistance (Milliohms MAX)	
Center Contact 3.0	
Outer Contact 2.0	
Cable to Housing 0.5	
RF High Potential @ Sea Level	
(VRMS MIN @ 5 MHz) 1000	
I.R.(Megohms MIN) 5000	

MECHANICAL	
Interface Dimensions	
MIL-STD-348 Fig 310.2	
Recommended Mating	
Torque 7-10 in-lbs	
Center Contact Captivation	
Axial (Lbs) 6	
Radial (in/Oz) NONE	
Cable Retention	
Axial Force (Lbs) 60	
Torque (in/Oz) 55	
Weight (Grams) 2.1	
Mating Characteristics	
Insertion (Max Lbs) 3	
Withdrawal (Min Oz) 1	
Connector Engagement and	
Disengagement (in/Lbs Max) 2	

ENVIRONMENTAL
Temperature Rating -65° to +165°C
Vibration MIL-STD-202, Method 204, Condition D
Shock MIL-STD-202, Method 213, Condition I
Thermal Shock MIL-STD-202, Method 102, Condition C Except high temp +115°C
Moisture Resistance MIL-STD-202, Method 106
Corrosion - MIL-STD-202, Method 101, Condition B

COMPONENT	MATERIAL	FINISH
HOUSING BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM-A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457.	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCE ON
FRAC. ±1/64 DEC. ±.005 ANGLES ±1°

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DRAWN BY R.G. DATE 9-21-84
CHECKED BY R.G. 9-21-84
APPD BY R.G. 9-21-84

USE ASSY PROCEDURE

NO. A.P. 20-578

M/A-COM OMNI SPECTRA
M/A-COM Omni Spectra, Inc.
Waltham, Massachusetts

TITLE SMA FLANGE MOUNT CABLE JACK
COMPRESSION CRIMP ATTACHMENT
M39012/82-3208 CAT "F"

SIZE	CODE IDENT NO		REV
B	26805	2006-8208-92	03_1
SCALE 4:1			SHEET 1 OF 1

Customer Tyco Part # 1051098
Sheet 1 of 1 Rev O