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P / N	INTERFACE(S)	(Ø A)	(B)	(C)	REVISIONS				
					DESCRIPTION(S)				
					ZONE	REV.	DATE		
—1CC	FULL DETENT	.116	.090	.095	—	H	ECO 12857	03.20.01	P.MAO
—2CC	LIMITED DETENT	.120	.090	.095	—	J	ECO 17022	06.02.04	JF
—3CC	SMOOTH BORE	.125	.090	.095	—	K	ECO 19532	08.30.06	DKN

D

D

C

C

4. DIMENSIONS SHOWN ARE FOR ROGERS 4350 PCB MATERIAL.
THESE DIMENSIONS MAY VARY DEPENDING ON PCB MATERIAL USED.

MATERIAL:	ELECTRICAL:	MECHANICAL:	ENVIRONMENTAL:
Body & Center Conductor: BeCu alloy per ASTM B-196. Dielectric: PTFE per ASTM D-1710.	Impedance: 50 Ohms nominal. Frequency Range: DC to 18.0 GHz. VSWR: 1.06 + .005*(GHz). Insertion Loss: .10 dB max to 18.0 GHz. Working Voltage: 600 Vrms max @ sea level. 150 Vrms max @ 70,000 ft. Dielectric Withstanding Voltage: 500 Vrms min. R.F. HiPot Voltage: 325 Vrms min @ 5MHz. Corona Level: 190 Vrms @ 70,000 ft. Insulation Resistance: 5000 MegOhms min. Contact Resistance: Center Contact: 4.0 Milliohm max. Outer Contact: 2.0 Milliohm max. R.F. Leakage: -80 dB max to 3.0 GHz -60 dB max to 18.0 GHz	Mating Characteristics: Interface per Mil-Std-348. Force To Engage & Disengage: Engage: 15 pounds max. Disengage: 5 pounds min. Center Contact Retention: Axial Force: 1.5 pounds min. Note: 10 lbs min. when c/c is solder-on to PCB Radial Torque: NA Connector Durability: 100 cycles min. Connector Attachment Strength: 20 lbs max (depend on the solder techniques)	Temperature Range: -65°C to +165°C. Thermal Shock: Mil-Std-202, Method 107, Test Cond. C. Moisture Resistance: Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1000 MegOhms within 5 minutes after removal from humidity. Corrosion: Mil-Std-202, Method 101, Test Cond. B. Vibration: Mil-Std-202, Method 204, Test Cond. D. Shock: Mil-Std-202, Method 213, Test Cond. I.

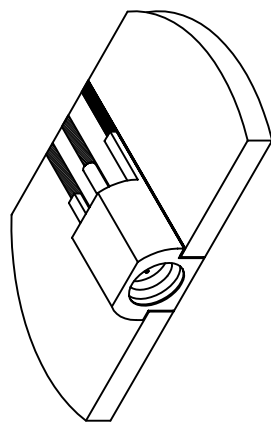
B

B

A

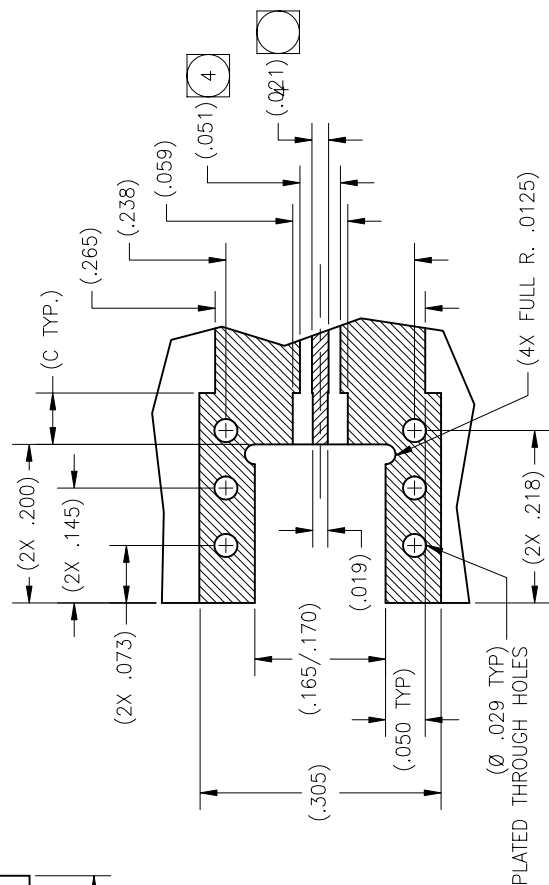
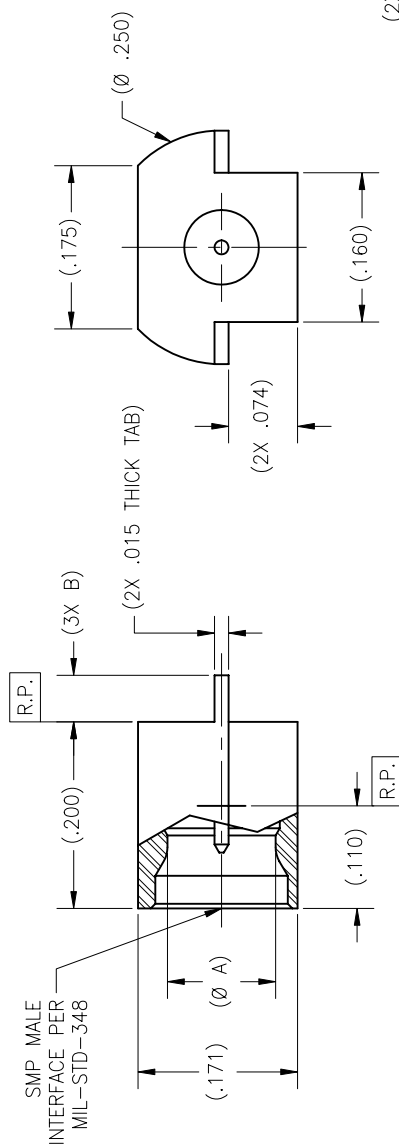
A

FINISH:										APPLICABLE TENSOLITE DOCUMENTS										TOLERANCES AND NOTES										DRAWING NO.									
Body & Center Conductor: Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.										WORK STD		PROD INST		ASSY INST		NOTICE THIS DRAWING EMBODIES A CONFIDENTIAL PROPRIETARY DESIGN ORIGINATED BY TENSOLITE COMPANY AND ALL DESIGN, MANUFACTURING AND/OR PROCESSING INFORMATION IS UNCLASSIFIED AND NOT BE LOANED, REPRODUCED, COPIED, REPRODUCED, OR OTHERWISE DISCLOSED WITHOUT THE WRITTEN PERMISSION OF TENSOLITE COMPANY. BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION TO OTHER PROJECTS AND SPECIFICATIONS, TENSOLITE COMPANY AGREES TO HOLD THE INFORMATION HEREIN IN CONFIDENCE. ANY INFORMATION DISCLOSED TO THE DESIGN, ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY TENSOLITE COMPANY, LONG BEACH, CALIFORNIA 90815.		DIMENSIONS ARE IN INCHES. LINEAR .XX ±.005 ANGULAR ± 1/2° FRACTION 1/32 1. MACHINE FINISH:  R16S 2. BREAK ALL SHARP EDGES .003 MAX. 3. MACHINED FILLETS .005 MAX. 4. MACHINED SURFACES SQUARE TO RESPECTIVE DIMENSIONS UNLESS OTHERWISE SPECIFIED. 5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.E. DIMENSIONS CONCERNING WITHIN .002																					



PCB MOUNT DETAIL

SCALE: NONE



RECOMMENDED PCB CUTOUT

SCALE 10:1	SUB-DIRECTORY FILE NAME _OLPXX	SHEET 2	OF 2
SIZE C	CAGE CODE 30990	DRAWING NO. P606	REV. K