P/N	INTERFACE(S)	(Ø A)	(B)	(C)
−1CC	FULL DETENT	.116	.090	.095
−2CC	LIMITED DETENT	.120	.090	.095
−3CC	SMOOTH BORE	.125	.090	.095
−4CC	FULL DETENT	.116	.050	.055
−5CC	LIMITED DETENT	.120	.050	.055
−6CC	SMOOTH BORE	.125	.050	.055

REVISIONS				
ZONE	REV.	DESCRIPTION(S)	DATE	BY
–	H	ECO 12857	03.20.01	P.MAO
–	J	ECO 17022	06.02.04	JF
–	K	ECO 19532	08.30.06	DKN

DRAWING NO.	REV.
P606	K

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

MATERIAL:

Body & Center Conductor:
BeCu alloy per ASTM B−196.
Dielectric:
PTFE per ASTM D−1710.

ELECTRICAL:

Impedance: 50 Ohms nominal.
Frequency Range: DC to 18.0 GHz.
VSWR: 1.06 + .005*f(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

MECHANICAL:

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)

ENVIRONMENTAL:

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.

FINISH:

Body & Center Conductor:
Gold plate per ASTM B−488, over nickel under plate per AMS−QQ−N−290.

APPLICABLE TENSOLITE DOCUMENTS

WORK STD	PROD INST	ASSY INST
NA	NA	NA

TOLERANCES AND NOTES EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.015 .XXX ±.005 ANGULAR ± 1/2°
FRACTION ± 1/32

1. MACHINE FINISH: 63 RMS
2. BREAK ALL SHARP EDGES .003 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H−28
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

–	–	–	–
MATERIAL	SIZE	SPECIFICATION	PROCUREMENT

NEXT ASSY

APPROVAL	INITIALS	DATE
DRAWN BY	ATV	08.10.99
CHECKED		
QUALITY		
ENGINEERING	ATV	08.31.06

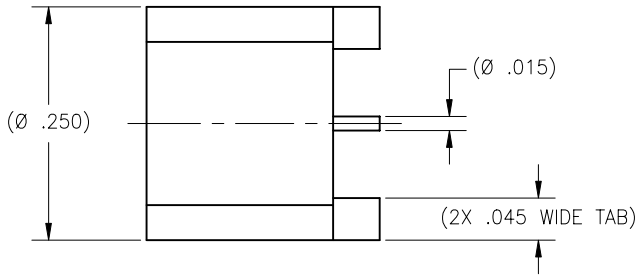
Tensolite
HIGH PERFORMANCE CABLES & INTERCONNECT SYSTEMS
Long Beach, California 90815

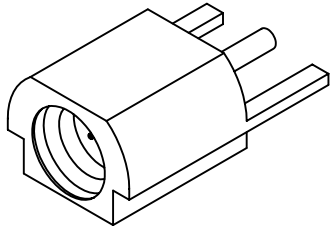
TITLE: SMP MALE PCB EDGE MOUNT TO Ø .015 STRAIGHT TERMINATION

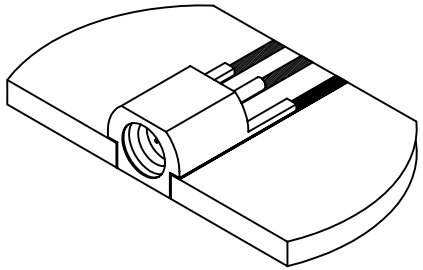
SCALE	SUB−DIRECTORY\FILENAME	SHEET	OF
10:1	OLPXXX\OLP606	1	2

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	P606	K

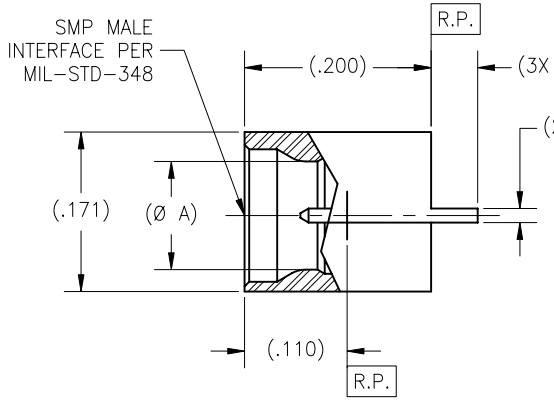
ENG−DWG REV. A

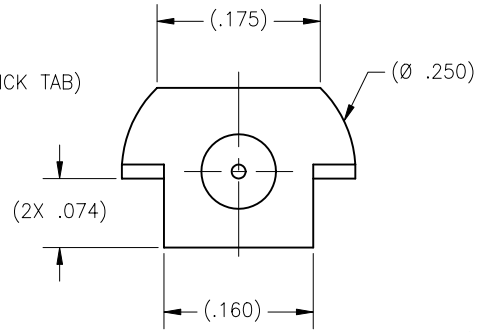


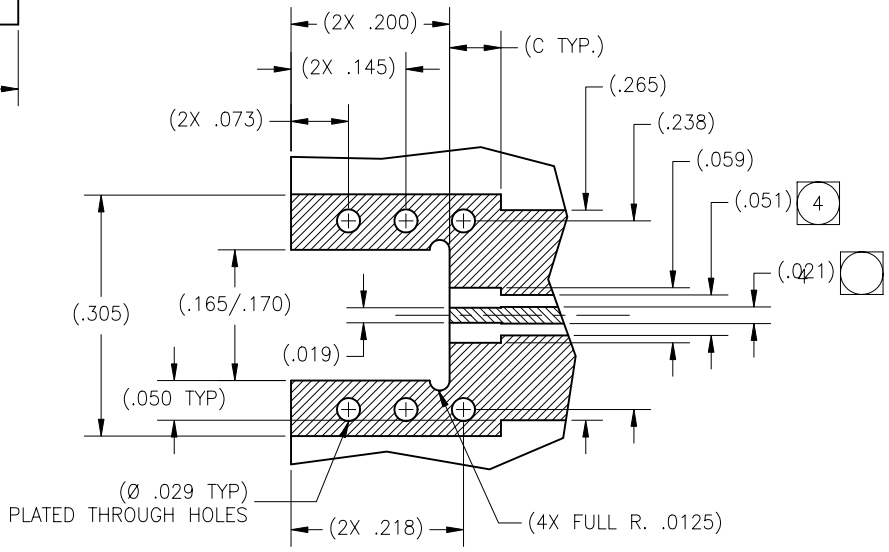




PCB MOUNT DETAIL
SCALE: NONE







RECOMMENDED PCB CUTOUT
SCALE: NONE

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

ENG-DWG REV. A