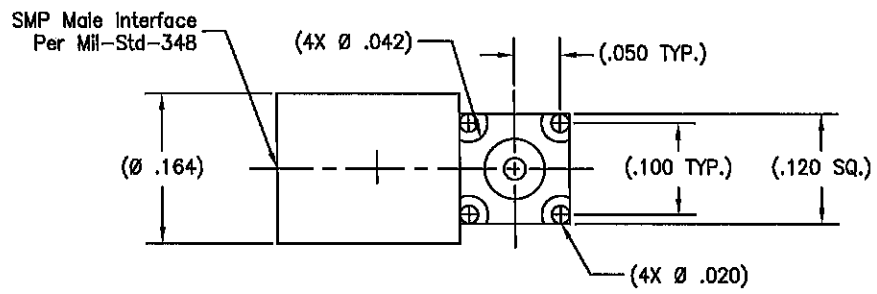
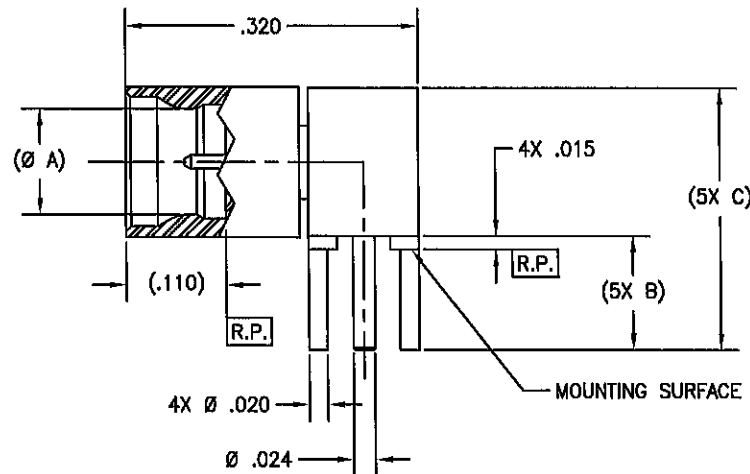
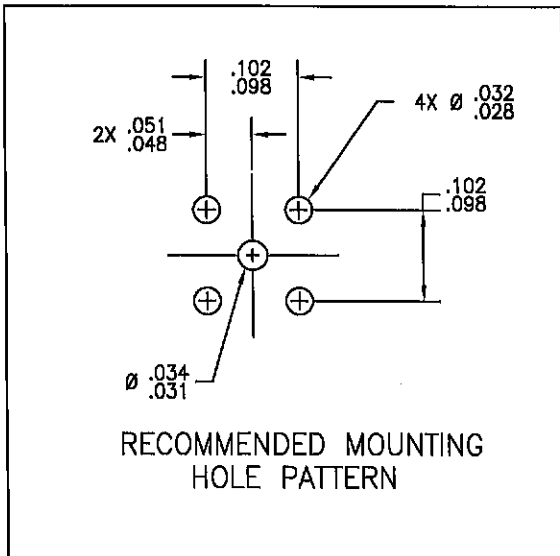


P/N	INTERFACE	(Ø A)	(B)	(C)
-1CC	FULL DETENT	.116	.125	.287
-2CC	FULL DETENT	.116	.115	.297
-3CC	FULL DETENT	.116	.155	.337



REVISIONS			
REV	DESCRIPTION	DATE	BY
B	ECO 12290	10/03/00	IMG
C	ECO 12858	03/02/01	HDB
D	ECO 35621	04.14.2020	DKN



MATERIAL(S):
 SMP Body:
 303 SST per ASTM A-582.
 Insert & Center Conductor:
 BeCu Alloy per ASTM B-196.
 Insulator:
 PTFE Teflon per ASTM D-1710.

ELECTRICAL:
 Impedance: 50 Ohms nominal.
 Frequency Range: DC to 12 GHz.
 VSWR: 1.35:1 max to 12 GHz.
 Insertion Loss: 0.15 dB max to 12 GHz.
 Working Voltage: 335 Vrms max @ sea level.
 Dielectric Withstanding Voltage: 500 Vrms min.
 R.F. HiPot Voltage: 325 Vrms min @ 5MHz.
 Corona Level: 125 Vrms @ 70,000 ft.
 Insulation Resistance: 5,000 MegOhms min.
 Contact Resistance:
 Center Contact: 6.0 Milliohm max.
 Outer Contact: 2.0 Milliohm max.
 R.F. Leakage: -(65 - fGHz) dB min.

MECHANICAL:
 Mating Characteristics:
 Interface per Mil-Std-348.
 Force To Engage & Disengage:
 Full Detent:
 Engage: 15.0 pounds max.
 Disengage: 5.0 pounds min.
 Connector Durability:
 Full Detent: 100 cycles min.

ENVIRONMENTAL:
 Temperature Range: -65°C to +165°C.
 Thermal Shock:
 Mil-Std-202, Method 107, Test Cond. B.
 Moisture Resistance:
 Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1,000 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(ES):
 Insert (R/A) & Center Conductor:
 Gold plate per ASTM B-488, type II, code C or D, class 1.25, over nickel under plate per AMS-QQ-N-290, class 1.
 SMP Body:
 Passivated per ASTM A-967.

APPLICABLE CARLISLE IT DOCUMENTS		
WORK STD	PROD INST	ASSY INST
NA	NA	NA

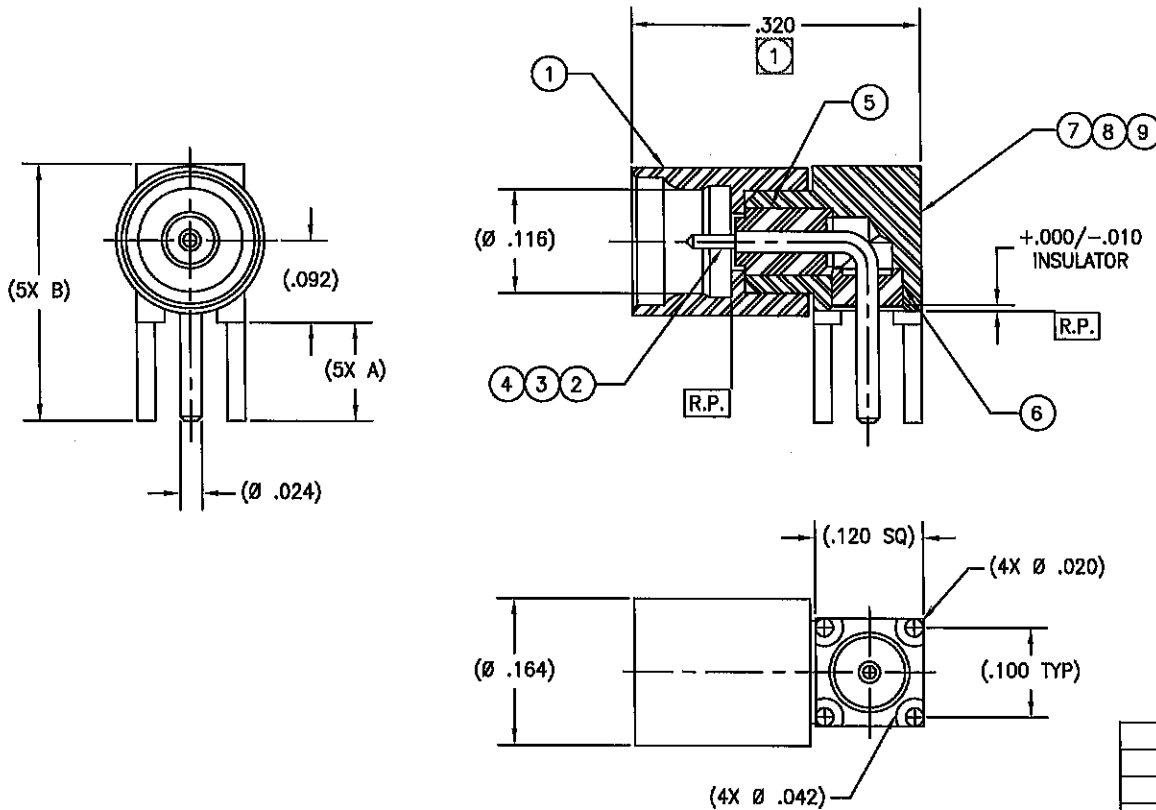
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- TOLERANCES AND NOTES EXCEPT AS NOTED**
 DIMENSIONS ARE IN INCHES.
 UNLESS SHOWN OTHERWISE
 FRACTION ± 1/32
1. MACHINE FINISH .80/RA32
 2. BREAK ALL SHARP EDGES .003 MAX.
 3. MACHINED FILLETS .005 MAX.
 4. MACHINED SURFACES SQUARE TO PERPENDICULAR UNLESS OTHERWISE SPECIFIED.
 5. MACHINED DIMENSIONS CONCERNING WITHIN .002 TYP.
 6. DIMENSIONS TO BE MET BEFORE PLATING.
 7. CHAMFER ALL THREADS 45°.
 8. FINISHES PER 10-20.
 9. REMOVE FINISH EDGES ON TEFLO.
 10. REMOVE ALL BURRS.

APPROVAL INITIALS		DATE	SPECIFICATION		PROCUREMENT
DRAWN BY: ATV		08.08.09	CARLISLE Interconnect Technologies		Cerritos, CA 90703
CHECKED BY:			TITLE: SMP MALE, PCB SURFACE MOUNT MITER R/A		
TEST ENGR:			SCALE: 10:1		SHEET 1 of 1
QUALITY:			DIPLOMATY/DIR-1		
DESIGN ENGR: ATV		12.19.01	C 30990		P646
MFG ENGR:			REV: D		
ECO APPRV: <i>DNJ 4/14/20</i>					

P/N	APPLICABLE NOTE(S)	(A)	(B)
-1CC	1,2	.110	.287
-2CC	1,2	.100	.297
-3CC	1,2	.140	.337

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	BY
-	A	ECO 19352	06.20.06	SLM



DRAWING NO.	P646	REV.	A
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	1			C3429-6	PLATED MITER R/A BODY	9	
				1	C3429-4	PLATED MITER R/A BODY	8
	1			C3429-2	PLATED MITER R/A BODY	7	
	1	1	1	2957	REAR INSULATOR	6	
	1	1	1	2947	FRONT INSULATOR	5	
		1		2946-10	CENTER CONDUCTOR	4	
			1	2946-8	CENTER CONDUCTOR	3	
	1			2946-4	CENTER CONDUCTOR	2	
	1	1	1	2944-1	PASSIVATED SMP BODY	1	
	-3CC	-2CC	-1CC	P/N	DESCRIPTION(S)	ITEMS NO	

NOTE(S):

1. PRESS FIT ITEM 1 OVER ITEMS 7, 8 & 9 TO DIMENSION SHOWN.
2. INTERFACE DIMENSIONS SHALL BE IAW TENSOLITE SPECIFICATION WS133.

APPLICABLE TENSOLITE DOCUMENTS		
WORK STD	PROD INST	ASSY INST
WS133	NA	NA

TOLERANCES AND NOTES
EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR JOE ±.010 ANGULAR ± 1/2°
FRACTION ± 1/32

1. MACHINE FINISH .05 / RMS
2. BREAK ALL SHARP EDGES JOE MIN.
3. MACHINED FILED .005
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN JOE BORES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITH JOE T.L.S.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHANGE ALL TENSOLITE P.C.T.
8. THREADS PER I-28
9. MAKE PIVOT BORES ON VEXLON.
10. REMOVE ALL BURRS.

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APPROVAL SHEETS		DATE	
DRAWN BY	DKN	09.03.02	
CHECKED			
QUALITY			
ENGINEERING	ATV	09.05.02	

MATERIAL	SIZE	SPECIFICATION	PROCUREMENT

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

TITLE SMP MALE FULL DETENT MITER R/A PCB MOUNT TO STRAIGHT TERMINATION

SCALE 10:1 SUB-DRAWING/VERSION P64XX

SIZE C 30990 DATE CODE 09.05.02 DRAWING NO. P646 SHEET 1 of 1