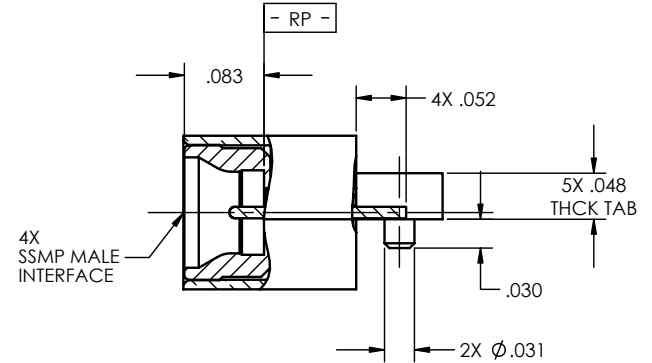
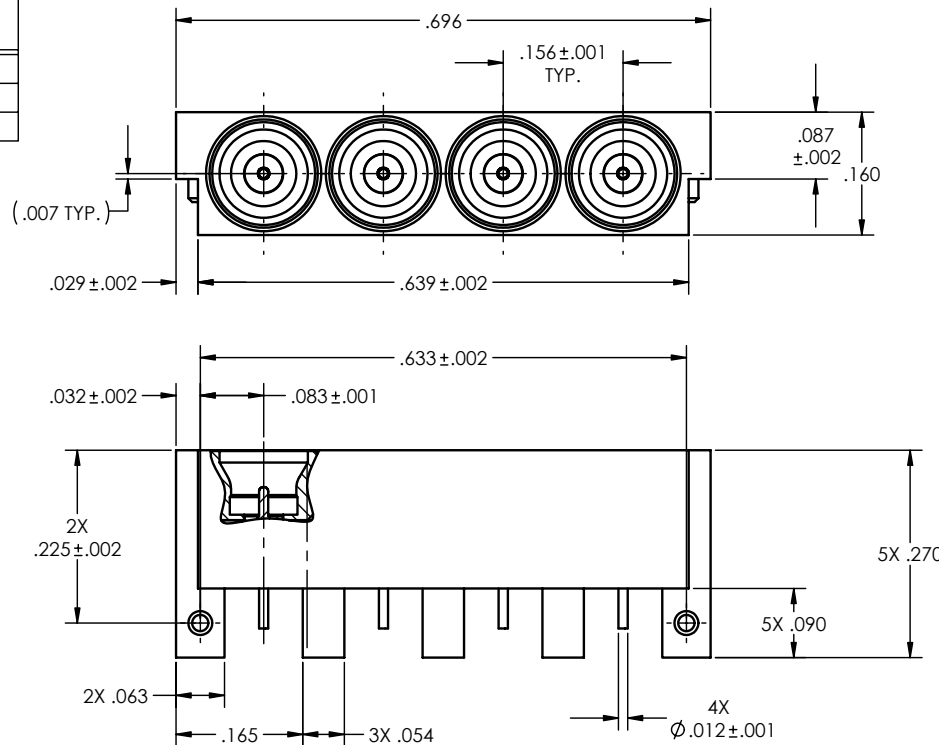


PART NO.	INTERFACE
-1CC	LIMITED DETENT
-2CC	SMOOTH BORE

REVISIONS			
REV.	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	03.14.13	HT



SSMP® is a registered trademark of Carlisle IT.

MATERIAL(S):

Block:
Brass Alloy C360 per ASTM B-16
Center Conductor:
BeCu Alloy per ASTM B-196
Insulator:
PTFE per ASTM D-1710
Dowel Pins & Insert:
303 SST per ASTM A-582

ELECTRICAL(S):

Impedance: 50 Ohms Nominal
Frequency Range: DC to 40 GHz
VSWR: 1.25:1 to 26.5 GHz Typ.
Insertion Loss: .5 dB max to 26.5 GHz
Working Voltage: 335 Vrms max @ Sea Level
Dielectric Withstand Voltage: 500 Vrms min.
RF 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 Milliohms max

MECHANICAL(S):

Interface Dimensions:
Carlisle IT WS134
Connector Durability:
100 Cycles min. for Detent
500 Cycles min. for Smooth Bore
Force to Engage:
Detent: 6.5 lbs max
Smooth Bore: 2.5 lbs max
Force to Disengage:
Detent: 3 lbs min
Smooth Bore: .5 lbs min

ENVIRONMENTAL(S):

Temperature Range: -65°C to +165°C
Thermal Shock:
MIL-STD-202, Method 107, Test Condition B
Moisture Resistance:
MIL-STD-202, Method 106, Insulation resistance
at least 200 MegaOhms within 5 minutes after
removal from humidity.
Corrosion:
MIL-STD-202, Method 101, Test Condition B
Vibration:
MIL-STD-202, Method 204, Test Condition D
Shock:
MIL-STD-202, Method 213, Test Condition I
Solderability:
MIL-STD-202, Method 208

FINISH(ES):

Block: Sulfamate nickel plate per SAE-AMS-QQ-N-290, Class 1,
followed by Gold plate per ASTM B 488, type II, Grade C, Class 0.25.
Center Conductor: Sulfamate nickel plate per SAE-AMS-QQ-N-290, Class 1,
followed by Gold plate per ASTM B 488, type II, Grade C, Class 1.25.
Insert & Dowel Pins:
Passivate per ASTM A-967 OR SAE-AMS-2700

APPLICABLE CARLISLE IT DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

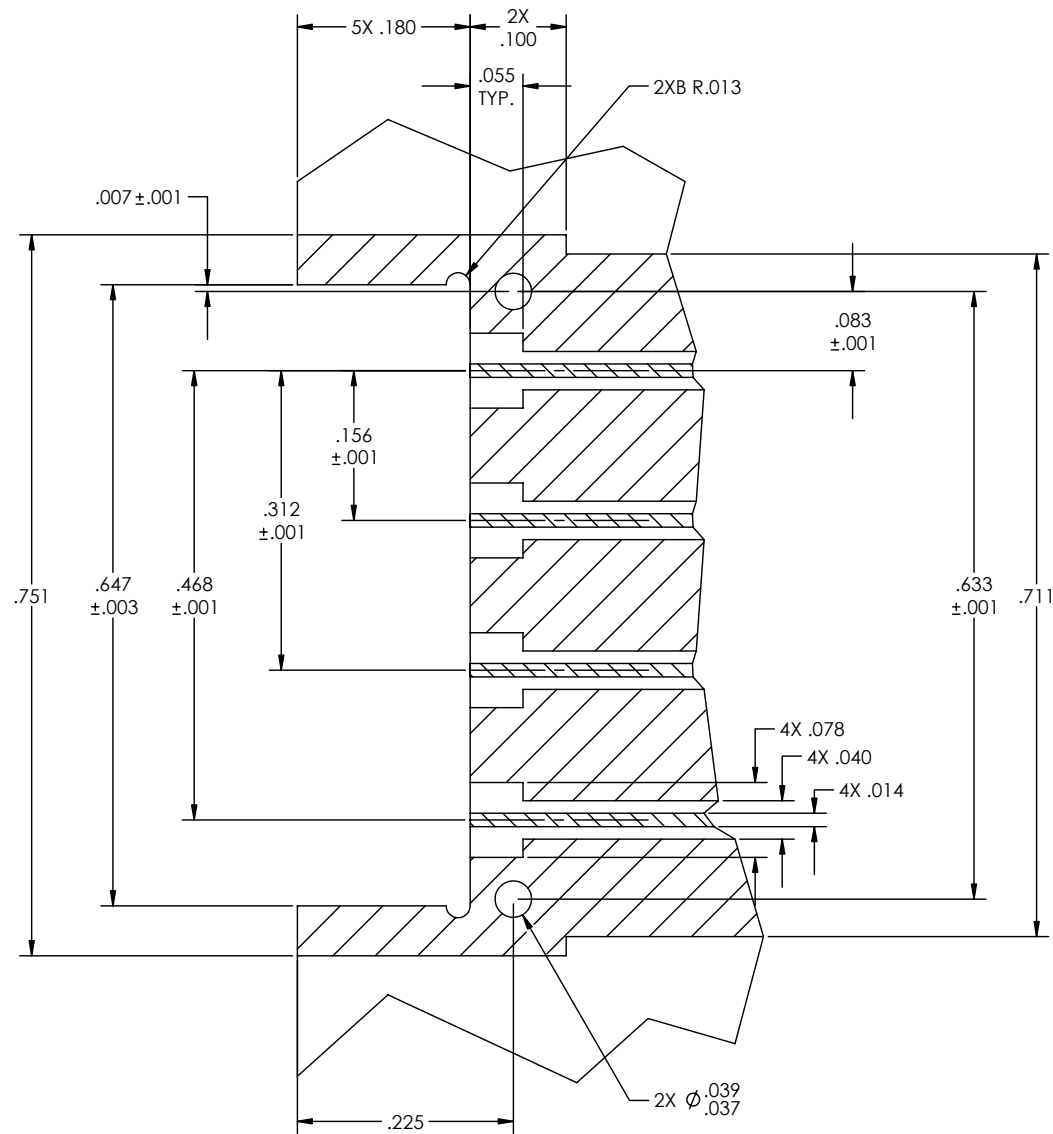
NOTICE
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TOLERANCES AND NOTES

- EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR: .XX ± .015
FRACTION: 1/32
ANGULAR: ± 1/2°
1. MACHINE FINISH: \sqrt{RMS}
 2. BREAK ALL SHARP EDGES .005 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 FRAVED EDGES ON TEELON.
 10. REMOVE ALL BURRS.

-			-		-	
MATERIAL			SPECIFICATION		PROCUREMENT	
APPROVAL INITIALS DATE			<div>CARLISLE Interconnect Technologies Cerritos, CA 90703</div>			
DRAWN BY HT 03.12.13						
CHECKED BY - -			TITLE SSMP® MALE, STRAIGHT TO TERMINATION PCB EDGE MOUNT, (4) POSITION			
TEST ENGR - -						
QUALITY - -			SCALE 8:1 SUB-DIRECTORY/ OL/ SHEET 1 OF 2			
DESIGN ENGR HT 4.1.13						
MFG. ENGR - -			SIZE C CAGE CODE 30990 DRAWING NO. P351B4 REV. -			
ECO APPRV - -						

A wide variety of transmission line analysis & PCB board parameters dielectric constant, substrate thickness, & board stackup are applied by the customer. These parameters have a impact on the RF performance of the device.
 *This layout is not optimised to fit all board config's regarding RF performance, it represents a recommendation for optimum solderability of the device.
 To guarantee high RF performance of the device, an RF analysis of the device to the board transistion is recommended.



RECOMMENDED PCB FOOT PRINT

SCALE 8:1		SUB-DIRECTORY/ _OL/		SHEET 2 OF 2	
SIZE C	CAGE CODE 30990	DRAWING NO. P351B4			REV. -