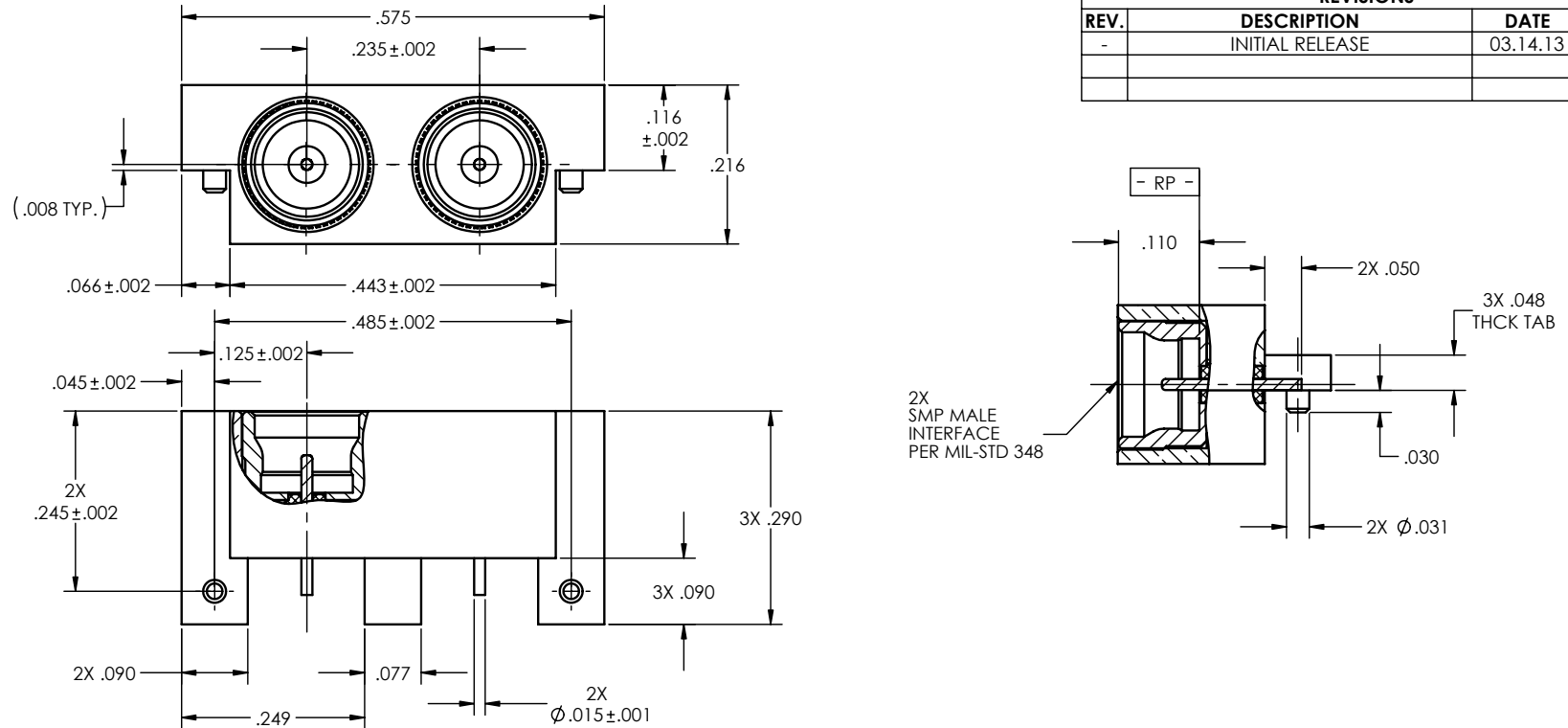


PART NO.	INTERFACE
-1CC	LIMITED DETENT
-2CC	SMOOTH BORE

REVISIONS			
REV.	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	03.14.13	HT



MATERIAL(S):

Block & Center Conductor:
Brass Alloy C360 per ASTM B-16
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: .25 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:
Interface per MIL-STD-348.
Connector Durability:
1000 cycles min. - Smooth Bore
500 cycles min. - Limited Detent
Force to Engage & Disengage:
Engage:
Limited detent: 7.0 lbs max
Smooth bore: 2.0 lbs max
Disengage:
Limited detent: 3.0 lbs min
Smooth bore: .50 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
THIS DRAWING EMBODIES A CONFIDENTIAL, PROPRIETARY DESIGN ORIGINATED BY CARLISLE INTERCONNECT TECHNOLOGIES & ALL DESIGN, MANUFACTURING, REPRODUCTION, USE & SALE RIGHTS REGARDING THE SAME ARE EXPRESSLY RESERVED. IT IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP FOR A SPECIFIED PURPOSE & THE RECIPIENT AGREES BY ACCEPTING THIS DRAWING NOT TO SUPPLY OR DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON OR INCORPORATE IN OTHER PROJECTS ANY SPECIAL FEATURES PECULIAR TO THIS DESIGN. ALL PATENT RIGHTS HERETO ARE EXPRESSLY RESERVED BY CARLISLE INTERCONNECT TECHNOLOGIES, CERRITOS, CALIFORNIA 90703

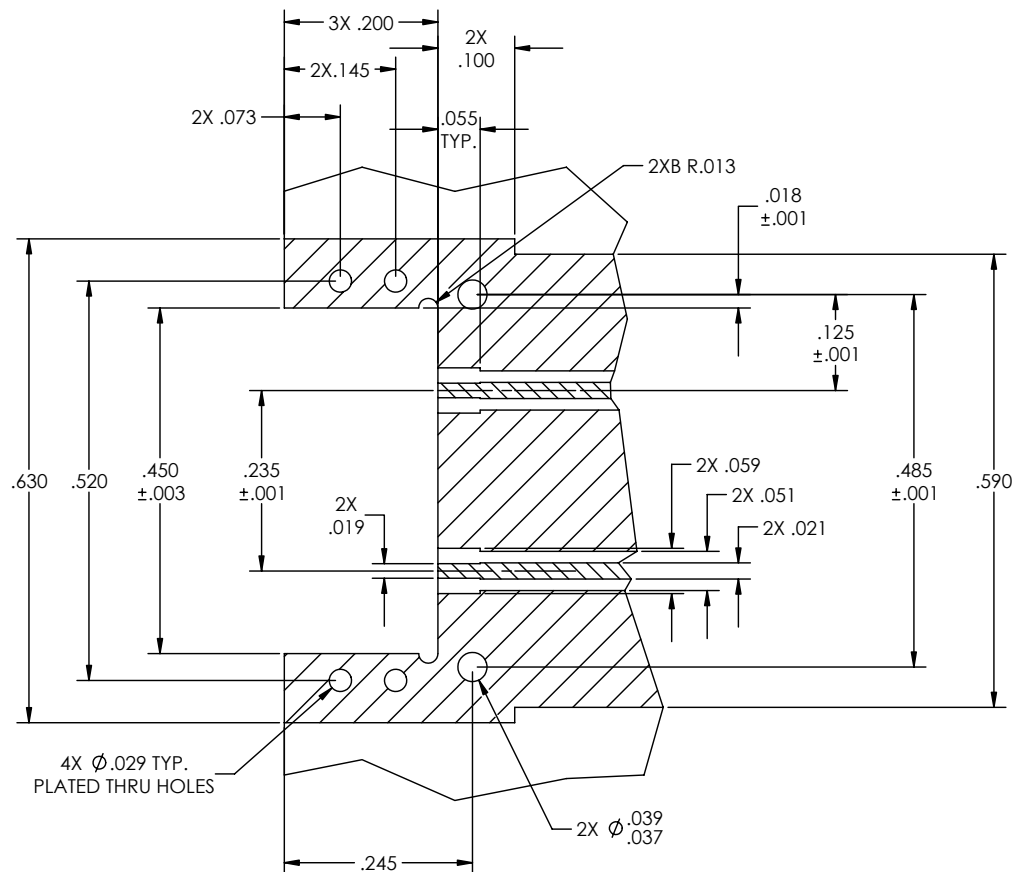
TOLERANCES AND NOTES

EXCEPT AS NOTED
DIMENSIONS ARE IN INCHES.
LINEAR .XX ± .015 ANGULAR ± 1/2°
FRACTION ± 1/32
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	TITLE		SHEET 1 OF 2	
DRAWN BY	HT	03.12.13		2	
CHECKED BY	-	-		-	
TEST ENGR	-	-		-	
QUALITY	-	-		-	
DESIGN ENGR	HT	04.01.13		2	
MFG. ENGR	-	-		-	
ECO APPRV	-	-		-	

CARLISLE Interconnect Technologies
Cerritos, CA 90703
TITLE SMP MALE, STRAIGHT TO TERMINATION
PCB EDGE MOUNT, (2) POSITION
SCALE 8:1
SUB-DIRECTORY/OL/
SIZE C 30990
DRAWING NO. P606B2
REV. -

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 transision is recommended.



RECOMMENDED PCB FOOT PRINT

SCALE	SUB-DIRECTORY/		SHEET 2 OF 2	REV.
8:1	_OL/			
SIZE	CAGE CODE	DRAWING NO.		
C	30990	P606B2		-