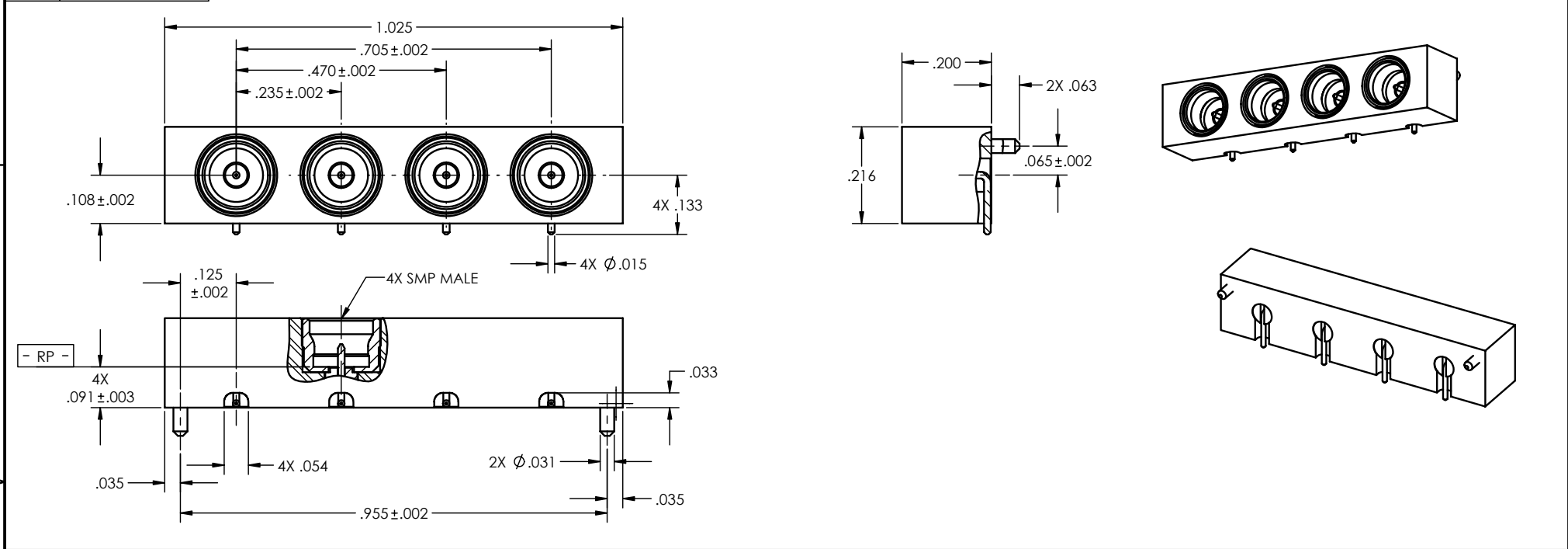


PART NO.	INTERFACE
-1CC	LIMITED DETENT
-2CC	SMOOTH BORE

REVISIONS			
REV.	DESCRIPTION	DATE	BY
-	INITIAL RELEASE	2/7/2013	YP



MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Block & Center Conductor: Brass Alloy C360 per ASTM B-16 Insulator: Polyamide-Imide per ASTM B-16 Dowel Pins: 18-8 Stainless Steel Insert: 303 SST per ASTM A-582	Impedance: 50 Ohms Nominal Frequency Range: DC to 40 GHz VSWR: 1.15:1 to 26.5 GHz Typ. 1.50:1 to 40 GHz Typ. Insertion Loss: $.10 \times \sqrt{f}$ (GHz) dB 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: 5000 MegOhms min. Contact Resistance: Center Contact: 6.0 Milliohms max	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	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 & Center Conductor:
 Sulfamate nickel plate per SAE-AMS-QQ-N-290, Class 1,
 followed by Gold plate per MIL-DTL-45204, type II, Grade C.
 Insert & Dowel Pins:
 Passivate per ASTM A-967

APPLICABLE CARLISLE IT DOCUMENTS		
WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA

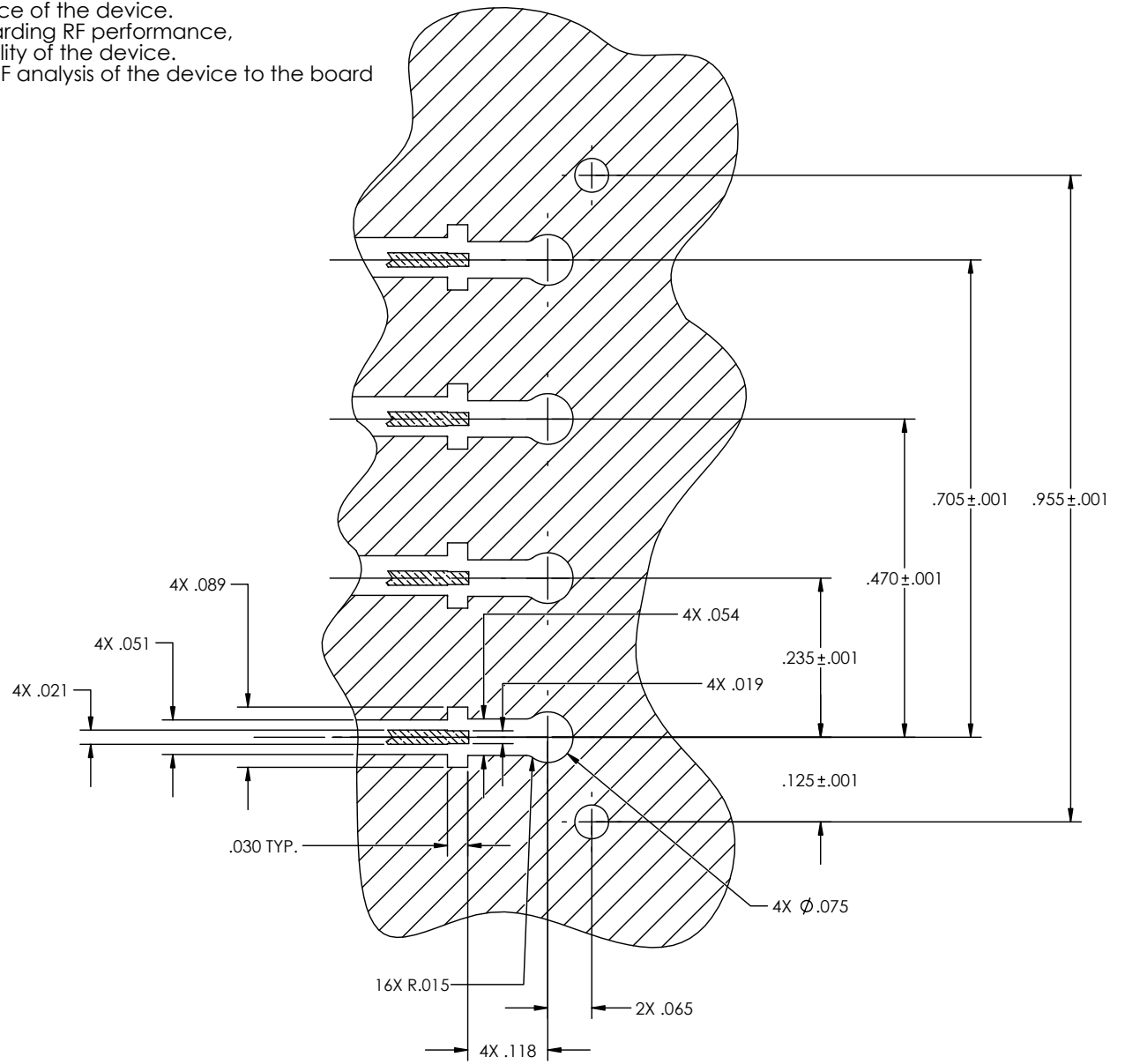
NOTICE

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TOLERANCES AND NOTES	
EXCEPT AS NOTED	
DIMENSIONS ARE IN INCHES.	
LINEAR	$XX \pm .015$
ANGULAR	$\pm 1/2^\circ$
FRACTION	$\pm 1/32$
1. MACHINE FINISH: \sqrt{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 I.D.	
6. DIMENSIONS TO BE MET BEFORE PLATING.	
7. CHAMFER ALL THREADS 45°.	
8. THREADS PER H-28	
9. REMOVE FRADED EDGES ON TEFLON.	
10. REMOVE ALL BURRS.	

MATERIAL		SPECIFICATION		PROCUREMENT	
APPROVAL INITIALS	DATE	TITLE		SHEET 1 OF 2	
DRAWN BY	YPHAN	SMP MALE, (4) POSITIONS		2	
CHECKED BY	-	PCB SURFACE MOUNT		REV.	
TEST ENGR	-	SCALE	SUB-DIRECTORY/	DRAWING NO.	
QUALITY	-	6:1	OL/	P703B4	
DESIGN ENGR	HT	03.06.13			
MFG ENGR	PC	03.06.13			
ECO APPRV	-	-			

A wide variety of transmission line analysis & PCB board parameters like permittivity, 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 transition is recommended.



RECOMMENDED PCB FOOT PRINT

SCALE	SUB-DIRECTORY/		SHEET 2 OF 2
NTS	OL/		
SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	P703B4	-