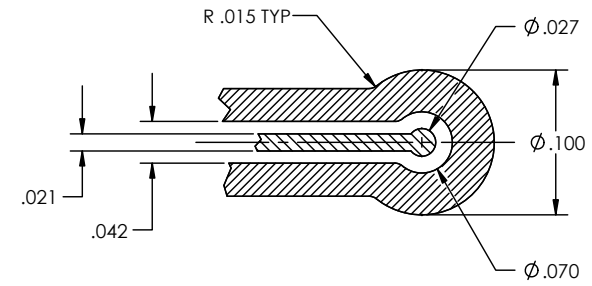
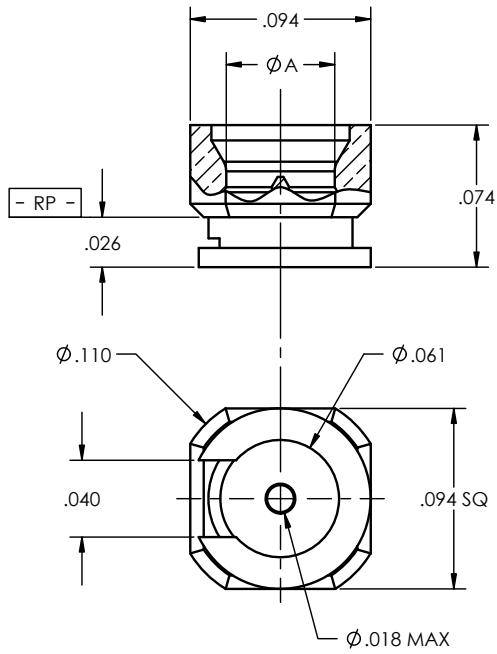
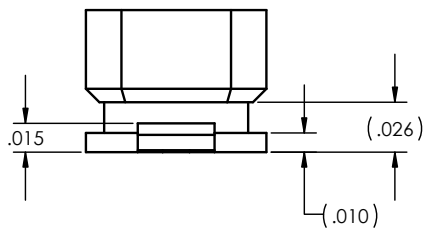


PART NO.	Ø A	INTERFACE
-1CC	.057±.001	DETENT
-2CC	.060±.001	NON-DETENT

REVISIONS			
REV.	DESCRIPTION	DATE	BY
C	ECO 32227 CHG VSWR & IL	04.10.17	WM
D	ECO 34479 (UPDATE HOUSING)	12/26/2018	DT
E	ECO 202352 (ADD NEW NAME)	12/2/2024	DKN



RECOMMENDED PCB FOOTPRINT  
 ①

A wide variety of transmission line analysis & PCB board parameters like composition, dielectric constant, substrate thickness, & board stackup are applied by the customer. These parameters have an impact on the RF performance of the device.  
 \*This layout is not optimised to fit all board configurations 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.

NOTE(S) :  
 ① DIMENSIONS SHOWN ARE FOR ROGERS 4350 PCB MATL & .010 THK. THESE DIMENSIONS MARY VARY DEPENDING ON THE PCB MATERIAL USED.

MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIRONMENTAL(S):
Body & Center Conductor: Brass alloy C360 per ASTM B-16. Insulator: Peek	Impedance: 50 Ohms Nominal Frequency Range: DC to 50.0 GHz VSWR: 1.15:1 to 26.5 GHz 1.25:1 to 50 GHz Insertion Loss: .12 x √f GHz Working Voltage: 335 Vrms @ Sea Level Dielectric Withstand Voltage: 500 Vrms RF HiPot Voltage: 325 Vrms min. @ 5MHz Corona Level: 125 Vrms @ 70,000 ft Insulation Resistance: 5,000 MegOhms RF Leakage: -(65 - f GHz) dB Contact Resistance: Center conductor: 4.0 Milliohms Outer conductor: 2.0 Milliohms	Interface Dimensions: Consult Factory Force to Engage & Disengage: 3.5 lbs Engage (Typical Detent) 5.0 lbs Disengage (Typical Detent) Connector Durability: 100 Cycles Center Contact Retention: N/A	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

**FINISH(FS):**

Body & Center Conductor:  
Gold plate per ASTM B-488, Type II, Code C or D, Class 0.25;  
over Nickel plate per SAE AMS-QQ-N-290, Class 1.

APPLICABLE Amphenol CDI 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.  
 XX ±.015  
 LINEAR XX ±.005 ANGULAR ± 1/2°  
 FRACTION ± 1/32  
 INTERPRET DRAWING PER ASME Y14.5 - 2018

- MACHINE FINISH: √ RMS
- BREAK ALL SHARP EDGES .003 MAX.
- MACHINED FILLETS .005 MAX.
- MACHINED SURFACES SQUARE TO RESPECTIVE AXES WITHIN .005 INCHES PER INCH.
- MACHINED DIAMETERS CONCENTRIC WITHIN .002 TLR.
- DIMENSIONS TO BE MET BEFORE PLATING.
- CHAMFER ALL THREADS 45°.
- THREADS PER H-28
- REMOVE FRAYED EDGES ON TEFLON.
- REMOVE ALL BURRS.

MATERIAL		SPECIFICATION	PROCUREMENT
APPROVAL INITIALS	DATE	12900 Alondra Blvd. Cerritos, CA 90703	
DRAWN BY	PCV	10.21.09	
CHECKED BY	-	TITLE WMP MALE, PCB SURFACE MOUNT, STRAIGHT NAIL-HEAD CONTACT	
TEST ENGR	-	SCALE 20:1	SUB-DIRECTORY/OUTLINE/ SHEET 1 OF 1
QUALITY	-	SIZE C	TRAGE CODE WP350
DESIGN ENG	PCV	03.14.11	DRAWING NO. 30990
MFG ENGR	-	-	REV. E
ECO APPRV	DNg	12.02.24	