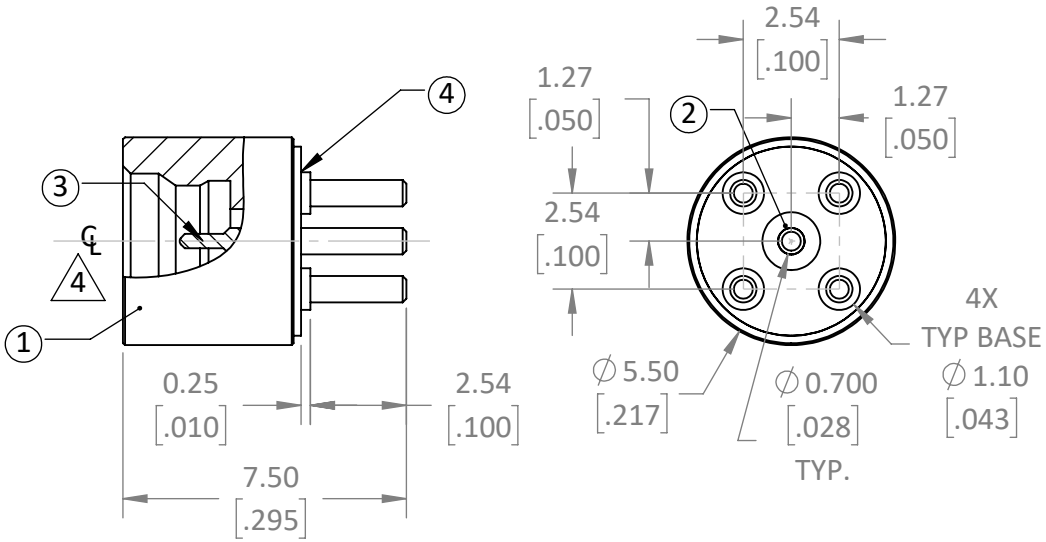
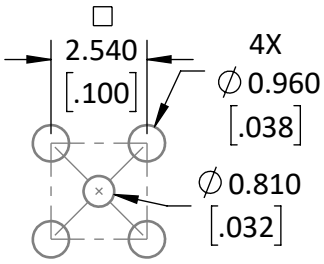
REVISIONS			
REV	DESCRIPTION	DATE	APPV
A	PRODUCTION RELEASE	JHAGER 3/10/21	



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL DIMENSIONS ARE IN MILLIMETERS [IN].
2. DIMENSIONS APPLY AFTER FINISHING.
3. MANUFACTURE TO BE COMPLIANT WITH EU RoHS DIRECTIVE,USE MATERIALS THAT DO NOT CONTAIN REACH SUBSTANCES OF VERY HIGH CONCERN >1000ppm, AND USE DRC CONFLICT-FREE SOURCED MATERIALS.
4. INTERCONNECT SMP FULL DETENT IAW MIL-STD-348 B
5. ALL UNLISTED MEASURMENTS ARE CONTROLLED BY SOLID MODEL AT CURRENT REVISION.
6. DURABILITY: 100 CYCLES
7. OPERATING TEMP: -62°C - +165°C
8. IMPEDANCE: 50Ω
9. FREQUENCY RANGE: 0-18GHz
10. INSERTION LOSS: .075 x √f (GHz)
11. CONTACT RESISTANCE: 6.0mΩ [CENTER] 3mΩ [OUTER]
12. DIELECTRIC: 335 Vrms



RECOMMENDED FOOTPRINT

ITEM	DESCRIPTION
4	BODY A, BASE, GOLD/BRAS
3	CONTACT, CENTER, GOLD/BeCu
2	INSULATOR, PTFE, PIN LOCK, NAT
1	BODY B, INTERFACE, SS, PIP

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MATERIAL:
A-BRASS PIN-BeCu
B-SS

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.
.X ±2.0
.XX ±1.00
.XXX ±.500
ANGLES: ±1°
SURFACE: 32

PROJECTION:

FINISH:
A-GOLD
B-NAT

DRAWN: JHAGER DT: 3/10/21
ENGR: SHAWNH DT: 3/10/21

159 ORT LANE
MERLIN, OR 97532

TITLE:
CONNECTOR SMP BRD INSERT SS/BRAS

SIZE A | DWG. NO. C-CONSMP001-1 | REV A

SCALE: 5:1 | DO NOT SCALE DRAWING | SHEET 1 OF 1