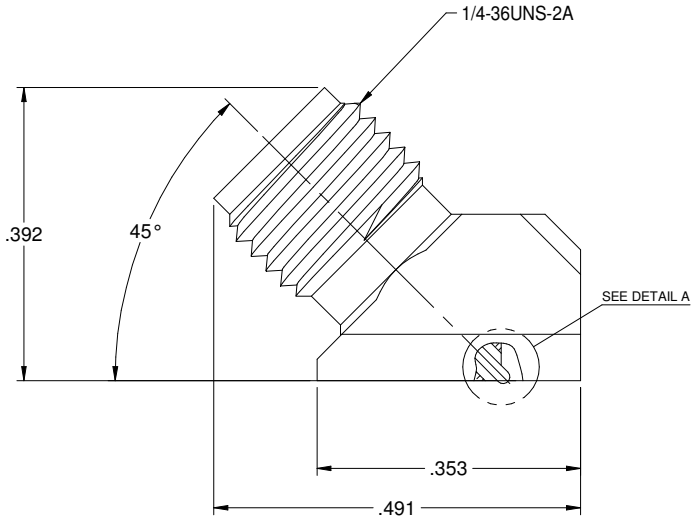
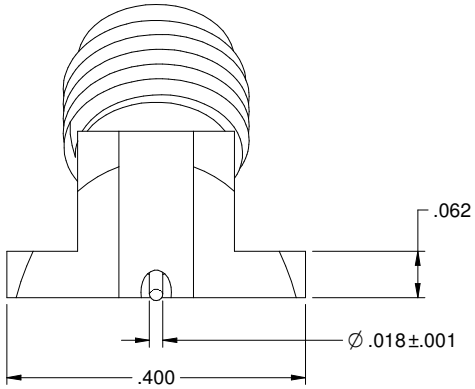
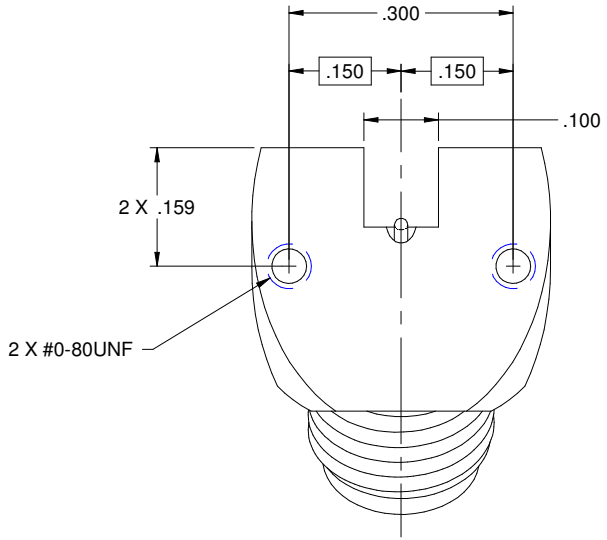
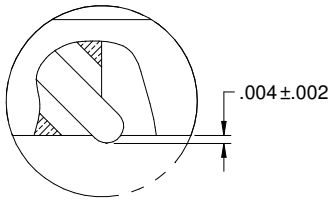
MODEL NUMBER
145-0701-221

REV	ECO	DATE
0B	ECO-19-XXXX	6/10/2019

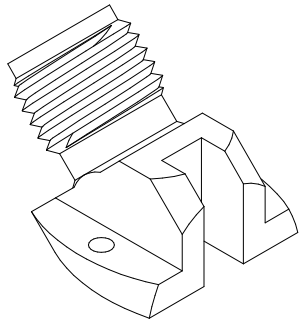








DETAIL A
20:1



SPECIFICATION:

ELECTRICAL:
- IMPEDANCE: 50 OHMS
- FREQUENCY RANGE: 0-40 GHz
- VSWR: 1.25 MAX DC-26.5GHz, 1.5MAX 26.5GHz-40GHz
- WORKING VOLTAGE: 250 VRMS MAX AT SEA LEVEL
- DIELECTRIC WITHSTANDING VOLTAGE: 750 VRMS MIN AT SEA LEVEL
- INSULATION RESISTANCE: 5000 MEGOHM MIN
- CONTACT RESISTANCE:
  - CENTER CONTACT - INITIAL 3 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
  - OUTER CONDUCTOR - INITIAL 2 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
- RF LEAKAGE: -90dB TYPICAL AT 2.5GHz

MECHANICAL:
- ENGAGEMENT/DISENGAGEMENT FORCE: 2 INCH-POUNDS MAX
- CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
- MATING TORQUE: 7 TO 10 INCH-POUNDS
- DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:
- OPERATING TEMPERATUR: -40 TO 85℃
- THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
- CORROSION: MIL-STD-202, METHOD 101, CONDITION B
- SHOCK: MIL-STD-202, METHOD 213, CONDITION I
- VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
- MOISTURE RESISTANCE: MIL-STD-202, MEHTOD 106

MATERIAL AND FINISH:
- BODY: GOLD PLATED BRASS
- CENTER CONTACT: GOLD PLATED BERYLLIUM COPPER
- INSULATOR: PTFE (TEFLON)

Please read our datasheet & drawing disclaimer here.

cinch	Material: SEE NOTE	Model No. 145-0701-221	Title: 2.92MM 45 DEGREE PC MOUNT JACK
		RoHS2 2011/65/EU	Cage Code
	Finish: SEE NOTE	3RD ANGLE PROJECTION	Drawing No. 145-0701-221 Rev. 0B
		.XX ±.02 .XXX +.005 ANGLES ±2 DEG	Drawn by R.SHEN
			Date 6/10/19
			Size C DO NOT SCALE DRAWING Sheet 1 of 2

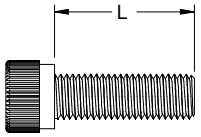
REV	ECO	DATE
0B	ECO-19-XXXX	6/10/2019

PC MOUNTING INSTRUCTIONS:

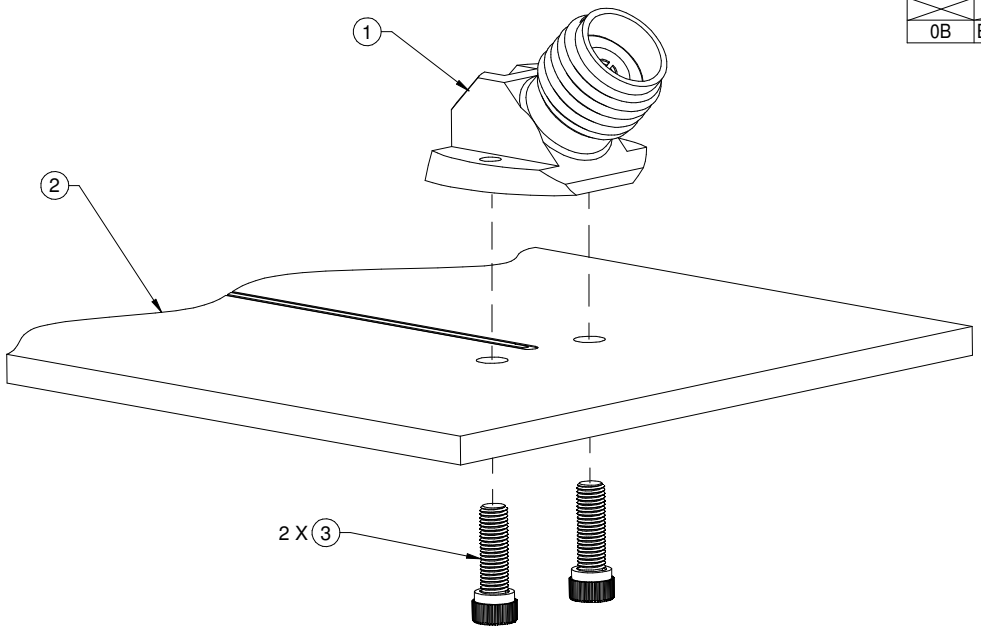
A. POSITION THE CONNECTOR(1) ON THE PC BOARD(2).

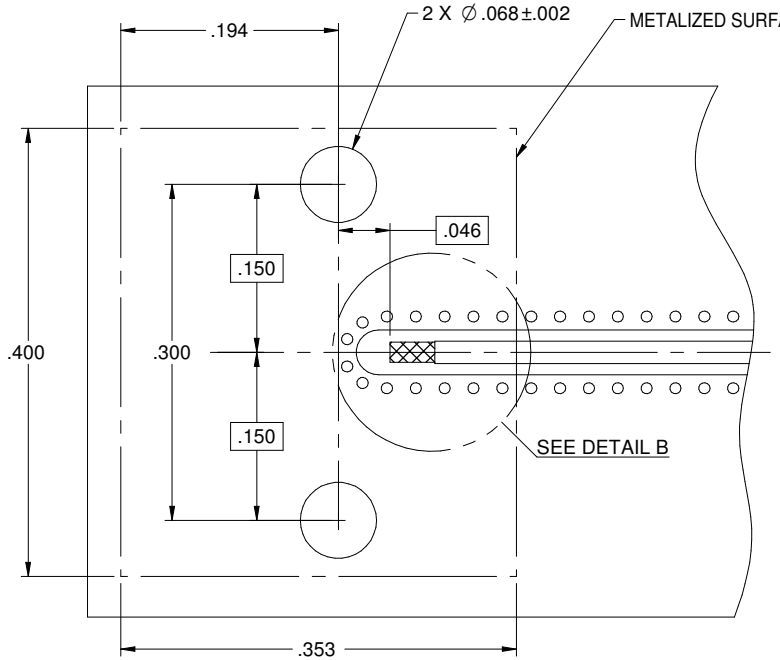
B. USING MOUNTING SCREWS #0-80 UNF(3) ATTACH CONNECTOR TO PCB. SLIGHTLY ADJUST THE LOCATION AND MAKE SURE THE CONTACT PIN IS CENTERED ON THE SIGNAL TRACE.

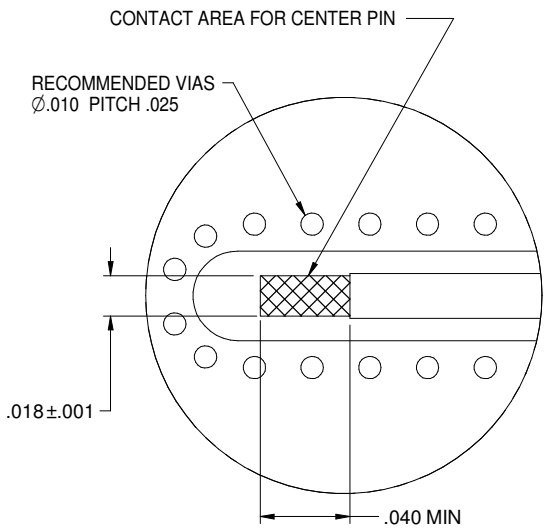
C. TIGHTEN SCREWS AND TORQUE FORCE SHOULD NOT EXCEED 0.8 IN-LBS.



RECOMMENDED SCREW DIMENSIONS	
L	PCB THICKNESS
3/16"(4.76mm)	.030"(0.76mm) to .096"(2.44mm)
1/4"(6.35mm)	.070"(1.78mm) to .165"(4.19mm)
3/8"(9.53mm)	.170"(4.32mm) to .295"(7.49mm)







DETAIL B

RECOMMENDED PCB LAYOUT

NOTE: THIS PATTERN IS FOR REFERENCE ONLY. PATTERN MAY VARY DEPENDING ON BOARD TYPE, SPECIFIC ELECTRICAL OR MECHANICAL REQUIREMENTS.

cinch	Material: SEE NOTE	Model No. 145-0701-221	Title: 2.92MM 45 DEGREE PC MOUNT JACK
	Finish: SEE NOTE	RoHS2 2011/65/EU	Drawing No. 145-0701-221 Rev. 0B
		.XX ±.02 .XXX ±.005 ANGLES ±2 DEG	Drawn by R.SHEN
			Date 6/10/19
			Size C DO NOT SCALE DRAWING Sheet 2 of 2