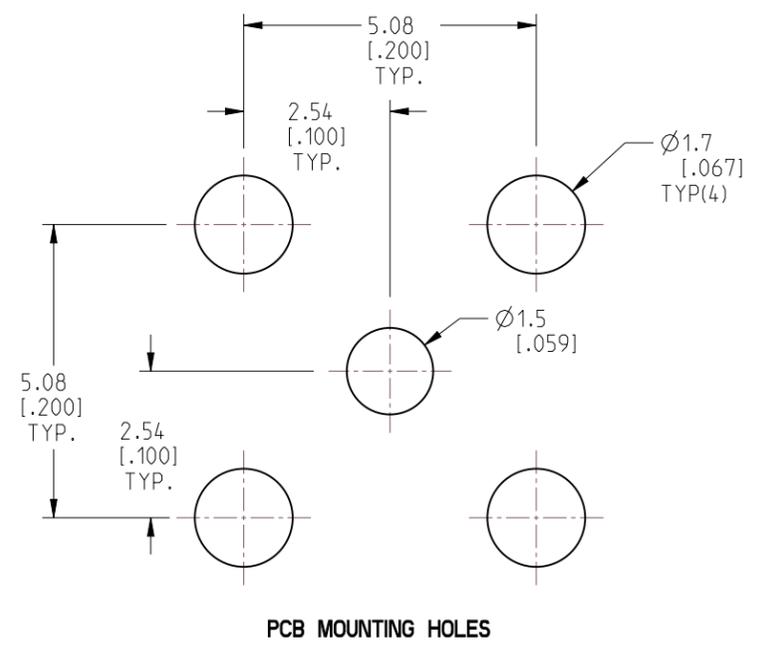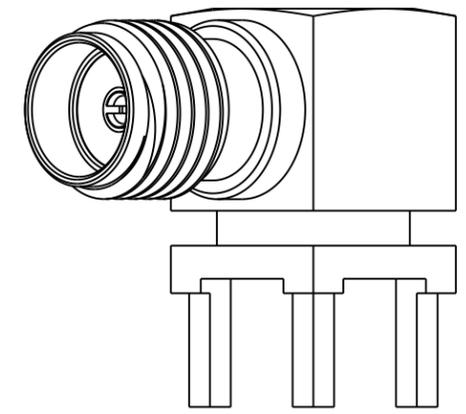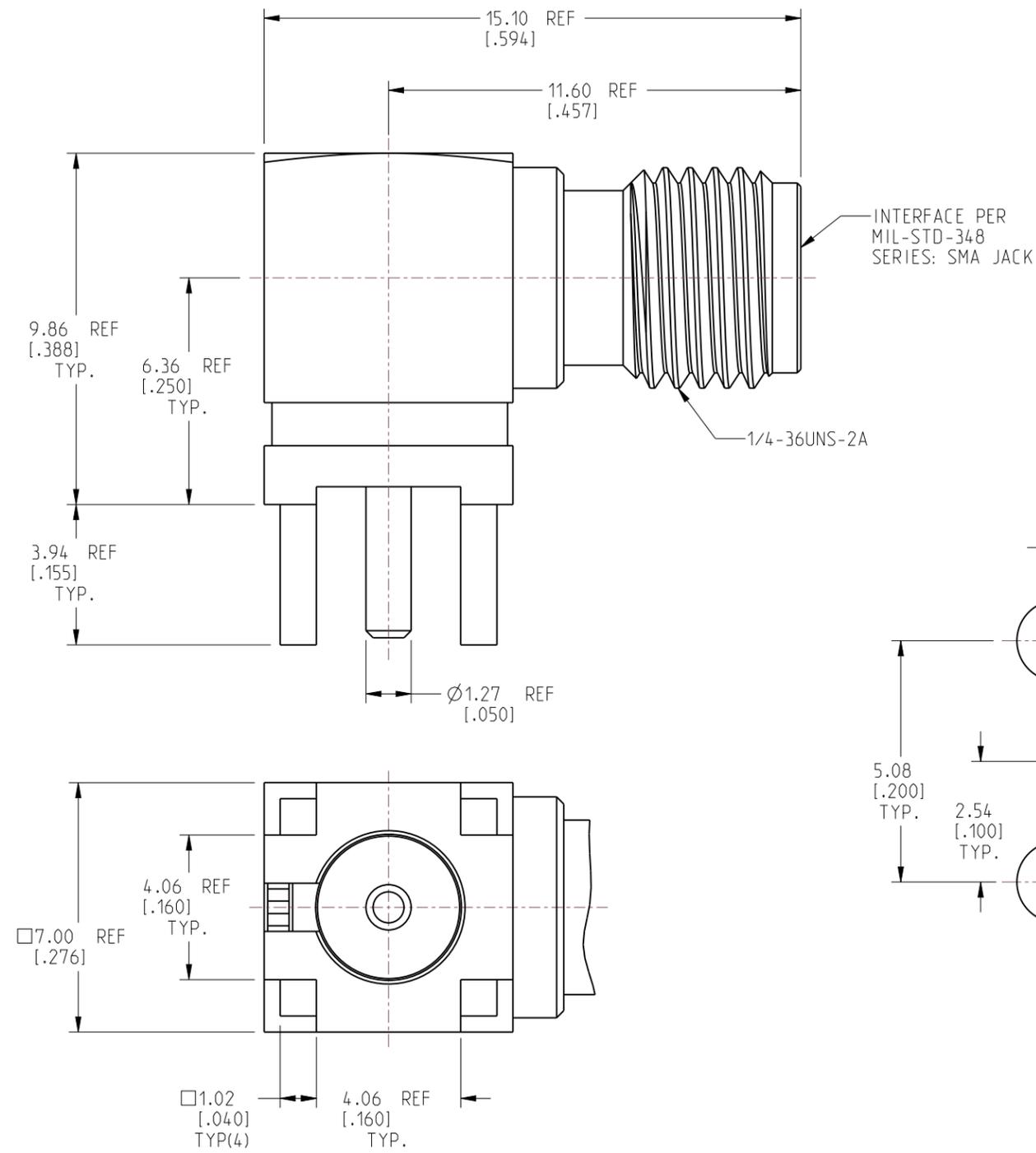NOTES:

1. MATERIALS AND FINISHES:
   BODY - BRASS, GOLD PLATING
   CONTACT - BERYLLIUM COPPER, GOLD PLATING
   INSULATOR - PEEK, NATURAL
   COVER - BRASS, GOLD PLATING

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC-18 GHz
   C. VSWR (RETURN LOSS): 1.3 (-17.7 dB), MAX.
   D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

3. MECHANICAL:
   A. DURABILITY: 500 CYCLES MIN.
   B. TEMPERATURE RANGE: -65°C TO +165°C

4. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: PACKAGING TO BE MARKED
      "AMPHENOL RF, 901-30005, AND DATE CODE"

5. PERFORMANCE WILL VARY WHEN ON PCB LAUNCH.

15.10 REF
[.594]

11.60 REF
[.457]

INTERFACE PER
MIL-STD-348
SERIES: SMA JACK

1/4-36UNS-2A

9.86 REF
[.388]
TYP.

6.36 REF
[.250]
TYP.

3.94 REF
[.155]
TYP.

⌀1.27 REF
[.050]

4.06 REF
[.160]
TYP.

□7.00 REF
[.276]

□1.02
[.040]
TYP(4)

4.06 REF
[.160]
TYP.

5.08
[.200]
TYP.

2.54
[.100]
TYP.

⌀1.7
[.067]
TYP(4)

⌀1.5
[.059]

5.08
[.200]
TYP.

2.54
[.100]
TYP.

PCB MOUNTING HOLES

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:

<0.5mm = ±0.05mm	[<0.020 = ±0.002]
0.5 - 6mm = ±0.1mm	[>0.020 - 0.236 = ±0.004]
>6.00 - 30mm = ±0.2mm	[>0.236 - 1.181 = ±0.008]
>30.00 - 120mm = ±0.3mm	[>1.181 - 4.725 = ±0.012]

ANGLES = ±1°

THIRD ANGLE PROJ.

REFERENCE
SMA6252A2-3GT50G-50

EAR#
12521

MATERIAL
SEE NOTES

ENGR.1
C.KEARNS

ENGR.2
M.ZHANG

DATE
10-Oct-25

TITLE
PFAS FREE SMA JACK
TO PCB
R/A THROUGH HOLE

SHEET NO. 2 OF 2

SCALE: 6.0:1.0

Amphenol RF

SIZE
B

DRAWING NO. 901-30005

ITEM NO. 901-30005

PART NO. 901-30005

REV
A