NOTES:

1. MATERIALS AND FINISHES:
   BODY & COUPLING NUT - BRASS, BLACK CHROMATE OVER NICKEL
   CONTACT - BRASS, GOLD PLATING
   INSULATOR & INSULATOR DISC- PTFE, NATURAL
   RETAINING RING - SUS 304, NATURAL
   GASKET - SILICON RUBBER, RED
   FERRULE - COPPER, BLACK CHROMATE OVER NICKEL

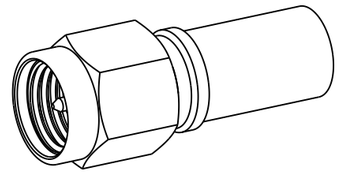
2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC - 6 GHz
   C. VSWR (RETURN LOSS) : 1.20 MAX. (-20.828 dB MIN.)
   D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.

3. MECHANICAL:
   A. DURABILITY: 500 CYCLES MIN.
   B. TEMPERATURE RANGE: -65° TO +165°C
   C. COSMETIC PARAMETERS OF PLATING PER AMPHENOL SPEC. 349-50966.

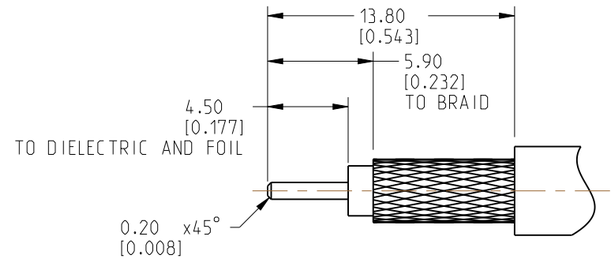
4. CABLE ASSEMBLY INSTRUCTIONS:
   A. TRIM CABLE AS SHOWN.
   B. SLIDE FERRULE AND INSULATOR DISC ONTO CABLE.
   C. SOLDER CABLE CENTER CONDUCTOR TO CONTACT.
   D. INSERT CABLE, UNTIL IT BOTTOMS,WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.
   E. CRIMP FERRULE OVER BRAID WITH 0.213" HEX DIE.

5 SHOWS CABLE ENTRY DIMENSIONS.

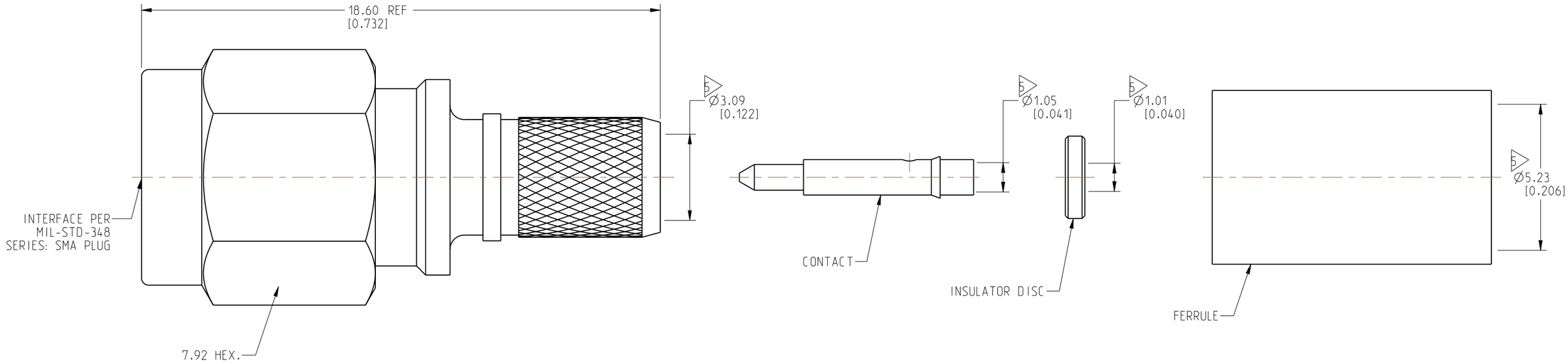
| REVISIONS | | | | |
|---|---|---|---|---|
| REV | DESCRIPTION | DATE | ECN | BY |
| A | RELEASE TO MFG. | 12-DEC-22 | 16500 | SH |



SCALE 2.500




**RECOMMENDED CABLE STRIPPING DIMENSIONS**




# CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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THIRD ANGLE PROJ.

| REFERENCE | EAR# |
|---|---|
| | 11380 |

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°

| MATERIAL | | | |
|---|---|---|---|
| SEE NOTES | | | |
| ENGR.1 | ENGR.2 | DATE | |
| SIVA | JACK LIANG | 24-AUG-22 | |

TITLE
SMA STR PLUG
FOR LMR/FBT 195 CABLE
BLACK PLATED

SHEET NO. 2 OF 2 | SCALE: 7.2:1.0

Amphenol RF

| SIZE | DRAWING NO. | REV |
|---|---|---|
| B | SMA1111A1-030-BZNT5GP-50 | A |
| | ITEM NO. 111111ADA157U5F | |
| | PART NO. 132443-BC | |