

NOTES:

1. MATERIALS AND FINISHES:

BODY, OUTER CONTACT AND COUPLING NUT - BRASS, TIN-NICKEL ALLOY PLATING
 CONTACT - BeCu, GOLD PLATING
 BULLET CONTACT - BRASS, GOLD PLATING
 INSULATOR AND INSULATOR DISC - PTFE, NATURAL
 GASKET, O-RING - SILICON RUBBER, RED
 RETAINER RING - SUS 304, TIN-NICKEL ALLOY PLATING
 FERRULE - COPPER, TIN-NICKEL ALLOY PLATING
 HEAT SHRINK TUBING - CROSSLINKED POLYOLEFIN, BLACK

2. ELECTRICAL:

A. IMPEDANCE: 50 OHM
 B. FREQUENCY RANGE: DC - 6 GHz
 C. VSWR: 1.30 MAX.
 D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.

3. MECHANICAL:

A. DURABILITY: 500 CYCLES MIN.
 B. TEMPERATURE RANGE: -65°C TO +165°C
 C. THE ASSEMBLY IS IN THE MATED AND FULLY ASSEMBLED CONDITION, WHICH INCLUDES THE HST COVERAGE AFTER ASSEMBLY, SALT SPRAY PER MIL-STD-202, METHOD 101, WITH FOLLOWING PARAMETERS:
 1) TEST CONDITION B
 2) 5% SALT SOLUTION
 3) CYCLE REPEATED TO 720 HOURS

4. PACKAGING:

A. QUANTITY: SINGLE PACK
 B. MARKING: BAG TO BE MARKED "AMPHENOL RF, 82-6818-EE, AND DATE CODE"

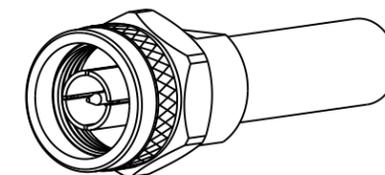
5. RECOMMENDED CABLE ASSEMBLY INSTRUCTIONS:

A. TRIM CABLE AS SHOWN.
 B. SLIDE HEAT SHRINK TUBING, FERRULE AND INSULATOR DISC ONTO CABLE.
 C. SOLDER CABLE CENTER CONDUCTOR TO BULLET CONTACT.
 D. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.
 E. CRIMP FERRULE OVER BRAID WITH .213" HEX DIE.
 F. APPLY HEAT SHRINK TUBING OVER FERRULE.
 G. HEAT SHRINK TUBING SHOULD FULLY (360 DEG) COVER THE BUMP ON BODY AND END WITHIN AREA "A"

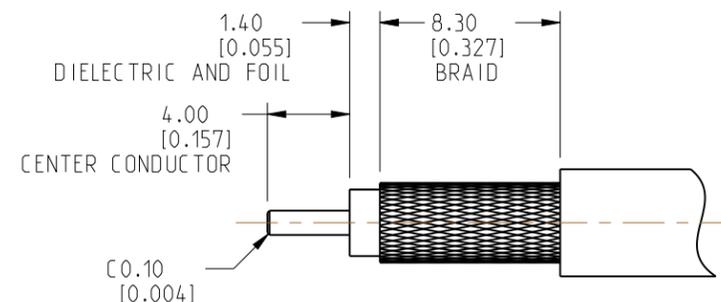
6. RECOMMENDED COUPLING TORQUE: 6-10 IN-LBS.

7. SHOW CABLE ENTRY DIMENSIONS.

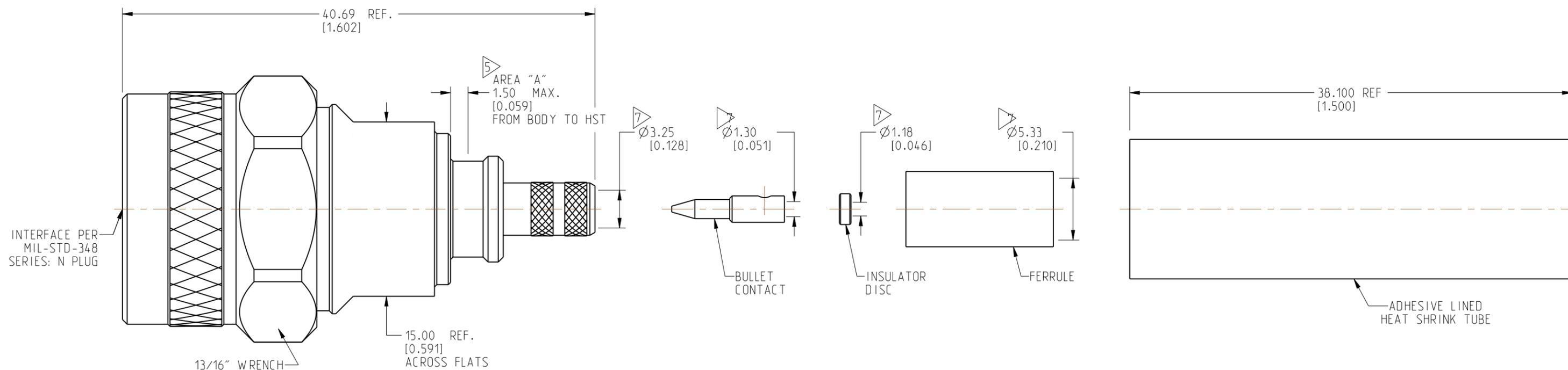
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	14-MAY-25	17430	SH



SCALE 1.000



RECOMMENDED CABLE STRIPPING DIMENSIONS



CUSTOMER OUTLINE DRAWING
 ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE METRIC (INCHES) AND TOLERANCES ARE:
 <0.5mm = ±0.05mm [$<0.020 = \pm 0.002$]
 0.5 - 6mm = ±0.1mm [$>0.020 - 0.236 = \pm 0.004$]
 >6.00 - 30mm = ±0.2mm [$>0.236 - 1.181 = \pm 0.008$]
 >30.00 - 120mm = ±0.3mm [$>1.181 - 4.725 = \pm 0.012$]

MATERIAL: SEE NOTES
 ENGR.1: SIBI R
 ENGR.2: M.ZHANG
 DATE: 21-Apr-25

TITLE: N STR PLUG IP 67 FOR LMR 200 CABLE EXTREME EXPOSURE
 SHEET NO. 2 OF 2
 SCALE: 3.0:1.0

DRAWING NO. 82-6818-EE		REV A		
			ITEM NO. 82-6818-EE	
			PART NO. 82-6818-EE	

THIRD ANGLE PROJ. REFERENCE EAR# 12374

ANGLES = ±1°

DATE: 21-Apr-25

SHEET NO. 2 OF 2

SCALE: 3.0:1.0