

1. MATERIALS AND FINISHES:

BODY, REAR BODY	- BRASS, NICKEL PLATING
CONTACT	- BERYLLIUM COPPER, GOLD PLATING.
INSULATOR	- PTFE
INSULATOR REAR	- ULTEM
HEX NUT	- BRASS, NICKEL PLATING
LOCK WASHER	- BRASS, NICKEL PLATING
GASKET, O-RING	- SILICONE RUBBER
FERRULE	- SEAMLESS COPPER TUBE, NICKEL PLATING
HEAT SHRINK TUBING	- CROSSLINKED POLYOLEFIN

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 6 GHz
C. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.

3. MECHANICAL:
A. DURABILITY: 500 CYCLES MIN.
B. TEMPERATURE RANGE: -40°C TO $+85^{\circ}\text{C}$

4. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARK BAG OR TAG
"AMPHENOL RF, 31-6509, AND DATE CODE"

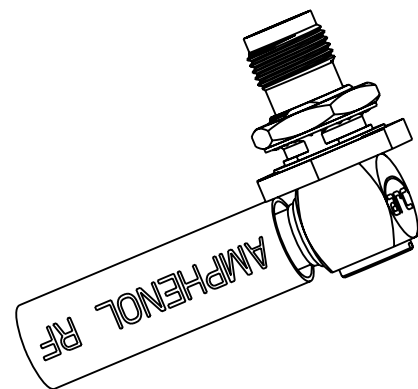
5> RECOMMENDED CABLE ASSEMBLY INSTRUCTIONS:

- A. TRIM CABLE AS SHOWN.
- B. SLIDE HEAT SHRINK TUBING, FERRULE AND INSULATOR REAR ONTO CABLE.
- C. SOLDER CABLE CENTER CONDUCTOR TO CONTACT.
- D. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.
- E. CRIMP FERRULE OVER BRAID WITH 0.213" 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. CAP ASSEMBLY INSTRUCTIONS:
A. PLACE O-RING ON CAP AS SHOWN.
B. ASSEMBLE CAP TO BODY WITH 6-10 IN-LBS TORQUE.

7. RECOMMENDED TORQUE APPLIED ON HEX NUT: 7-10 IN-LBS.

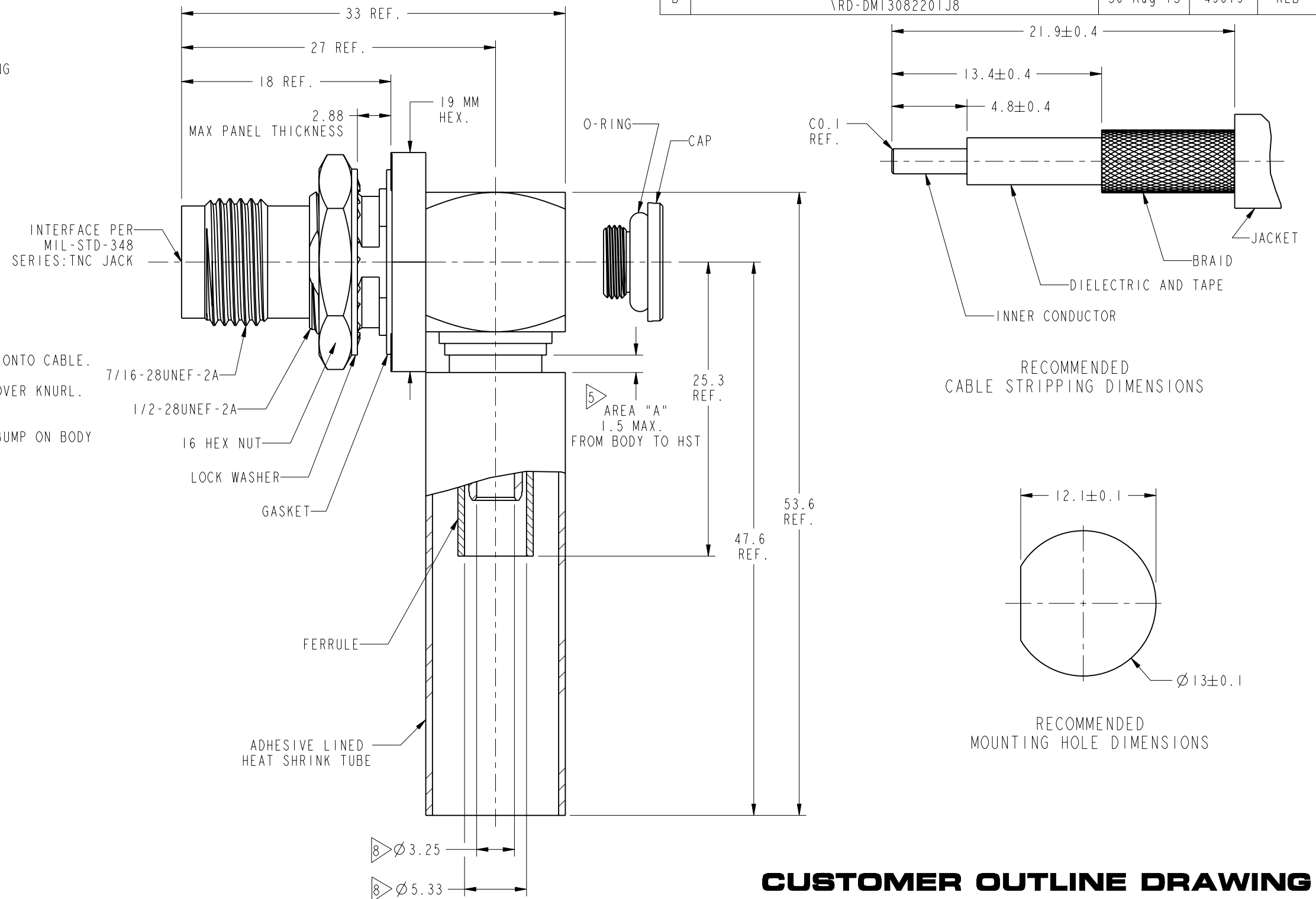
8. SHOWS CABLE ENTRY DIMENSIONS.



SCALE 1.000

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	25-Mar-13	48952	TD
B	ADD ARC LOGO TO REAR BODY AND AMPHENOL RF TO HST \\RD-DM13082201J8	30-Aug-13	49619	RLB



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES ± 0.05mm ±0.1mm ±0.2mm ± 0.3mm ±1°	MATERIAL SEE NOTES	DRAWN J.CHEN	DATE 30-Aug-13	TITLE TNC R/A BHD JACK IP-67 FOR LMR 200 CABLE		Amphenol RF www.amphenolrf.com
ENGINEER BALAJI M		DATE 23-Mar-13				
REFERENCE		APPROVED S.HSIEH	DATE 04-Sep-13	SCALE: 2.6:1.0 SHEET 2 OF 2		
CONFIGURATION LEVEL:		CAD FILE	DWG SIZE B		REV B	
FINISH						
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DRAWING NO. 31-6509						
ITEM NO. 31-6509						
PART NO. 31-6509						