

NOTES:

1. MATERIALS AND FINISHES:
BODY - BRASS, NICKEL PLATING
CONTACT - BeCu, GOLD PLATING
BULLET CONTACT - BRASS, GOLD PLATING
INSULATORS - PTFE, NATURAL
COUPLING NUT - BRASS, NICKEL PLATING
GASKET - SILICON RUBBER, RED
FERRULE - COPPER, 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.

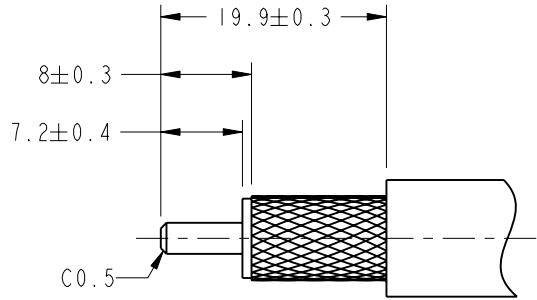
3. MECHANICAL:
A. DURABILITY: 500 CYCLES MIN.
B. TEMPERATURE RANGE: -65° C TO +165° C

4. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOL RF, 82-6553, 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 CONTACT.
D. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.
E. CRIMP FERRULE OVER BRAID WITH 0.429" 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.

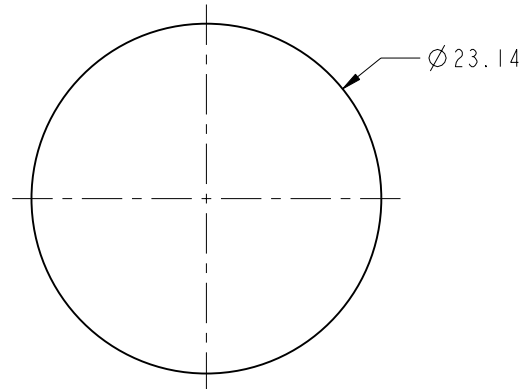
7. SHOW CABLE ENTRY DIMENSIONS.



SCALE 1.500

RECOMMENDED
CABLE STRIPPING

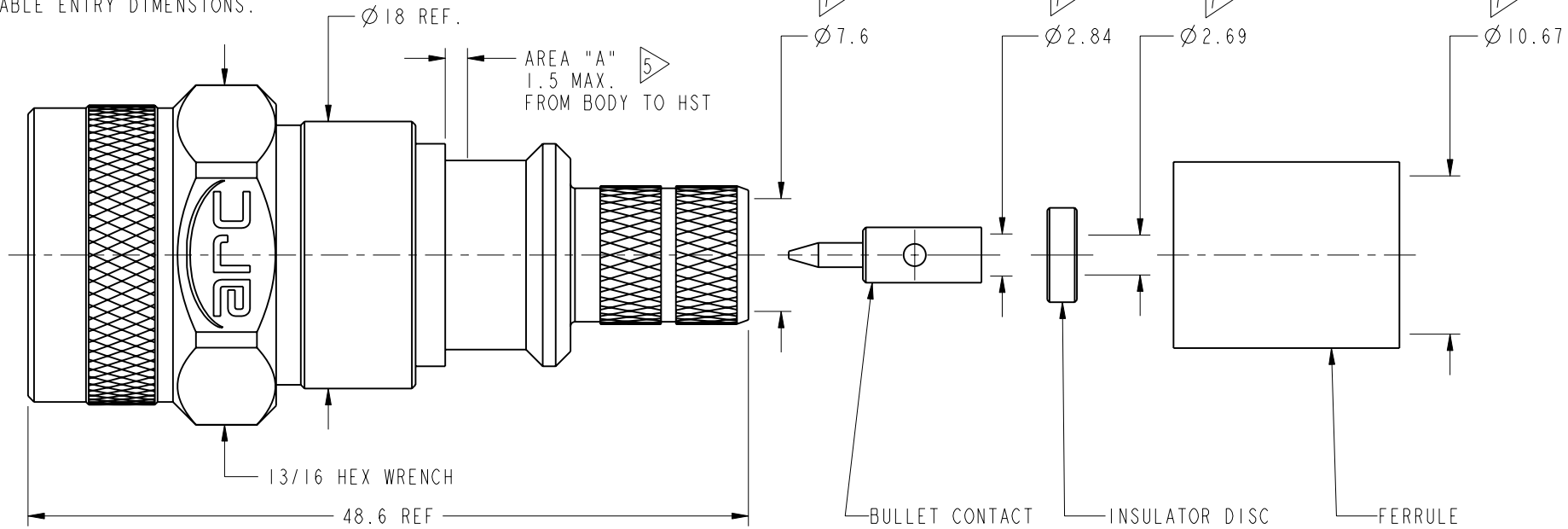
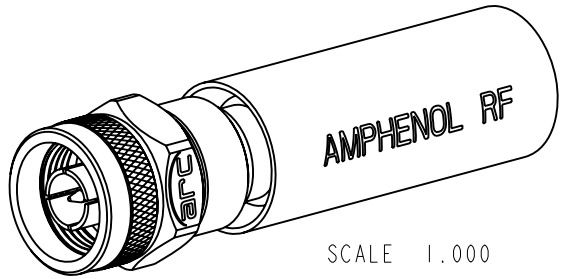
THIRD ANGLE PROJ.



MIN PASS THRU DIAMETER

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG	24-Sep-12	49140	DD
B	ADDED ARC LOGO TO COUPLING NUT & AMPHENOL RF TO HST RD-DMI3022001R3	1-Mar-13	49418	RM
C	CRIMP WAS 0.532"	12-Feb-15	50404	JN



CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

INTERFACE PER
MIL-STD-348
SERIES:N PLUG

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°

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MATERIAL	SEE NOTES
REFERENCE	EAR # PTCIP67 82-6451 AND CONFIGURATION LEVEL: EAR3408
FINISH	

DRAWN S.DUAN	DATE 06-Mar-15
ENGINEER D.DAVE	DATE 15-Sep-11
APPROVED S.HSIEH	DATE 09-Mar-15
CAD FILE	

TITLE N STR PLUG IP-67 FOR LMR-400 CABLE	
SCALE: 2.3:1.0	SHEET 2 OF 2
DWG SIZE B	REV C

Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com	
DRAWING NO.	82-6553
ITEM NO.	82-6553
PART NO.	82-6553