

NOTES:

1. MATERIALS AND FINISHES:
BODY - BRASS, NICKEL PLATING
CONTACT - BeCu, GOLD PLATING
CONTACT - BRASS, GOLD PLATING
INSULATOR - PTFE
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° C

4. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOLRF, 31-6505, AND DATE CODE"

5. RECOMMENDED CABLE ASSEMBLY INSTRUCTIONS:
A. TRIM CABLE AS SHOWN.
B. SLIDE HEAT SHRINK TUBING, FERRULE AN 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 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. SHOWS CABLE ENTRY DIMENSIONS.

7/16-28UNEF-2A

13 MM HEX

AREA "A"
1.50 MAX.
FROM BODY TO HST

Ø 3.25

Ø 1.30

Ø 1.18

Ø 5.33

30.08 REF

38.10 REF

INTERFACE PER MIL-STD-348 TNC SERIES

BULLET CONTACT

INSULATOR DISC

FERRULE

ADHESIVE LINED HEAT SHRINK TUBE

AMPHENOL RF

THIRD ANGLE PROJ.

14.95±0.40

6.55±0.40

4.50±0.40

45°X0.20

RECOMMENDED
CABLE STRIPPING DIM'S

Ø 14.37

MIN PASS THRU DIAMETER

SCALE 2.000

REV

DESCRIPTION

DATE

ECO

APPR

A

RELEASE TO MFG.

18-Jul-12

48952

DD

B

ADD ARC LOGO TO BODY & AMPHENOL RF TO HST
\\RD-DMI3082201J8

30-Aug-13

49619

RLB

AMPHENOL RF

SCALE 1.500

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
<0.5mm ± 0.05mm 0.5 - 6mm ± 0.1mm 6 - 30mm ± 0.2mm 30 - 120mm ± 0.3mm ANGLES ±1°

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MATERIAL
-

REFERENCE
PTCIP67

FINISH

DRAWN
J.CHEN

ENGINEER
D.DAVE

APPROVED
S.HSIEH

CAD FILE

DATE
30-Aug-13

DATE
06-Sep-11

DATE
04-Sep-13

TITLE
TNC STR JACK IP-67
FOR LMR-200 CABLE

SCALE: 3.5:1.0

SHEET 2 OF 2

DWG SIZE
B

REV
B

Amphenol RF
www.amphenolrf.com

DRAWING NO.31-6505

ITEM NO. 31-6505

PART NO. 31-6505