

5

4

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NOTES:

1. MATERIALS AND FINISHES:
TNC STR PLUG - BRASS, NICKEL PLATING
TNC STR JACK - BRASS, NICKLE PLATING
CABLE - LMR 400

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM

3. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOL RF, 95-850-227-XXX AND DATE CODE"

REV

DESCRIPTION

DATE

ECN

APPR

A

RELEASE TO MFG.

24-JUN-20

15247

EH

0.622 HEX
[14.85]

HEAT SHRINK TUBE
TYP(2)

1.000 REF
[25.40]
TYP(2)

INTERFACE PER
MIL-STD-348
SERIES: TNC PLUG

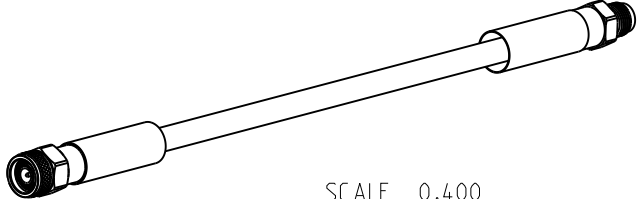
LENGTH 'L' (SEE TABLE)

9/16" WRENCH

7/16-28UNEF-2A
THREAD

INTERFACE PER
MIL-STD-348
SERIES: TNC JACK

SCALE 0.400



LENGTH TABLE

| PART NUMBER (IMPERIAL) | PART NUMBER (METRIC) | LENGTH 'L' IN INCHES [METERS] |
|---------------------------|-------------------------|----------------------------------|
| 95-850-227-012 | - | 12.00 [0.305] |
| 95-850-227-024 | - | 24.00 [0.610] |
| 95-850-227-036 | - | 36.00 [0.914] |
| - | 95-850-227M100 | 39.37 [1.000] |
| 95-850-227-048 | - | 48.00 [1.219] |
| 95-850-227-072 | - | 72.00 [1.829] |
| - | 95-850-227M200 | 78.74 [2.000] |
| - | 95-850-227M300 | 118.11 [3.000] |
| - | 95-850-227M400 | 157.48 [4.000] |

TOLERANCE TABLE

| LENGTH IN INCHES/FT [METERS] | TOLERANCE |
|---------------------------------|----------------|
| 0" - 23.90" [0 - 0.607] | ±0.25" [0.006] |
| 24.00" - 59.00" [0.610 - 1.499] | ±0.50" [0.013] |
| 5.0' - 24.9' [1.524 - 7.617] | ±2.5% |
| 25.0' & UP [7.620 & UP] | ±5.0% |

DESIGN REQUIREMENTS:

☒ FREQUENCY: DC - 8 GHz

☒ CONTINUITY

☐ VSWR: ____ 1 MAX.

☒ HI-POT: 750 VRMS

☐ INS. LOSS: ____ dB MAX.

☐ OTHER

THIRD ANGLE PROJ.

REFERENCE

EAR#
EAR 9189

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 [$>1.181 - 4.725 = \pm 0.012$]

ANGLES = ±1°

MATERIAL

SEE NOTES

ENGINEER
KRISHNA S

DATE
14-MAY-20

TITLE

TNC STR PLUG TO
TNC STR JACK
USING LMR 400 CABLE
VARIOUS LENGTH

SHEET NO. 2 OF 2

SCALE: 1.4:1.0

Amphenol RF

SIZE

B

DRAWING NO. 95-850-227-XXX

ITEM NO. 95-850-227-XXX

PART NO. 95-850-227-XXX

REV
A

5

4

3

2

1

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

Mouser Electronics

Authorized Distributor

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[095-850-227M400](#) [095-850-227M300](#) [095-850-227-036](#) [095-850-227-012](#) [095-850-227-024](#) [095-850-227-048](#) [095-850-227M100](#) [095-850-227M200](#)