

NOTES:

1. MATERIALS AND FINISHES:

BODY, SHELL - BRASS, NICKEL PLATING
 FERRULE - COPPER ALLOY, NICKEL PLATING
 CONTACT - BRASS, GOLD PLATING
 INSULATOR - PTFE, NATURAL
 GASKET - SILICONE RUBBER, RED
 RETAINER RING - STAINLESS STEEL, NATURAL

2. ELECTRICAL:

A. IMPEDANCE: 50 OHM
 B. FREQUENCY RANGE: DC-20 GHz
 C. VSWR (RETURN LOSS): 1.20 MAX. (-20.83 dB MIN.) @ DC - 12.4 GHz
 1.28 MAX. (-18.22 dB MIN.) @ 12.4 - 20 GHz
 D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.

3. MECHANICAL:

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

4. PACKAGING:

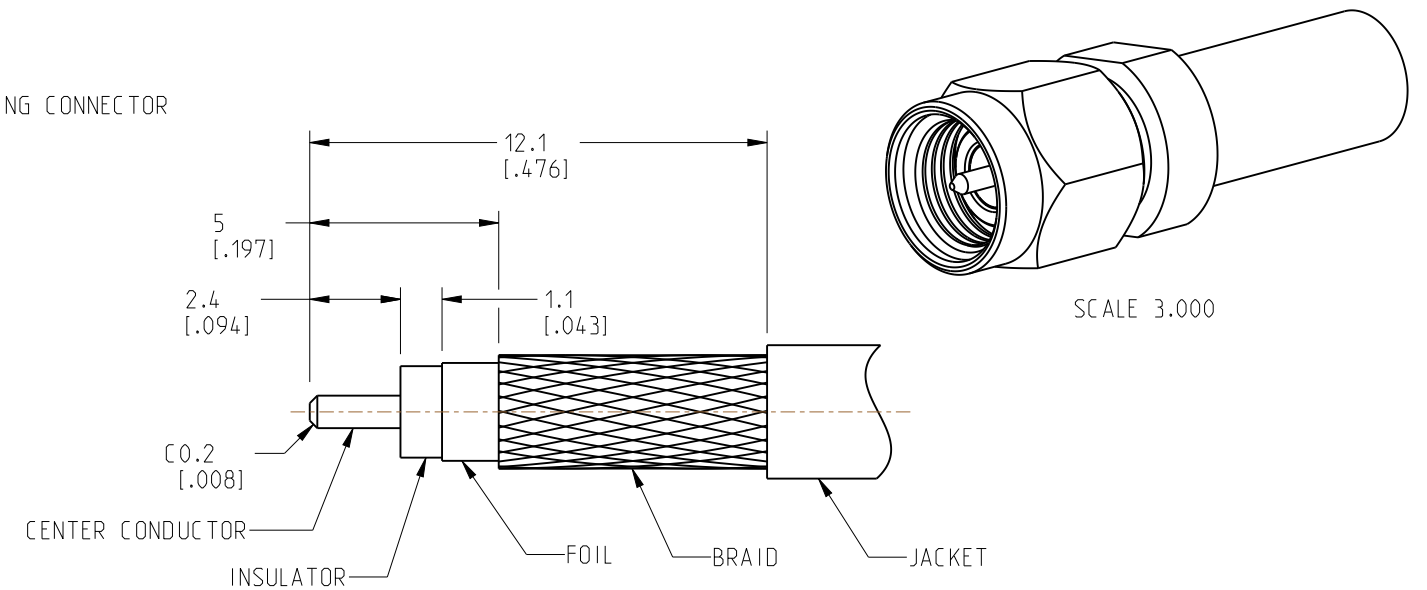
A. QUANTITY: SINGLE PACK
 B. MARKING: PACKAGING TO BE MARKED
 "AMPHENOL RF, 901-10848, AND DATE CODE"

5. CABLE ASSEMBLY INSTRUCTIONS:

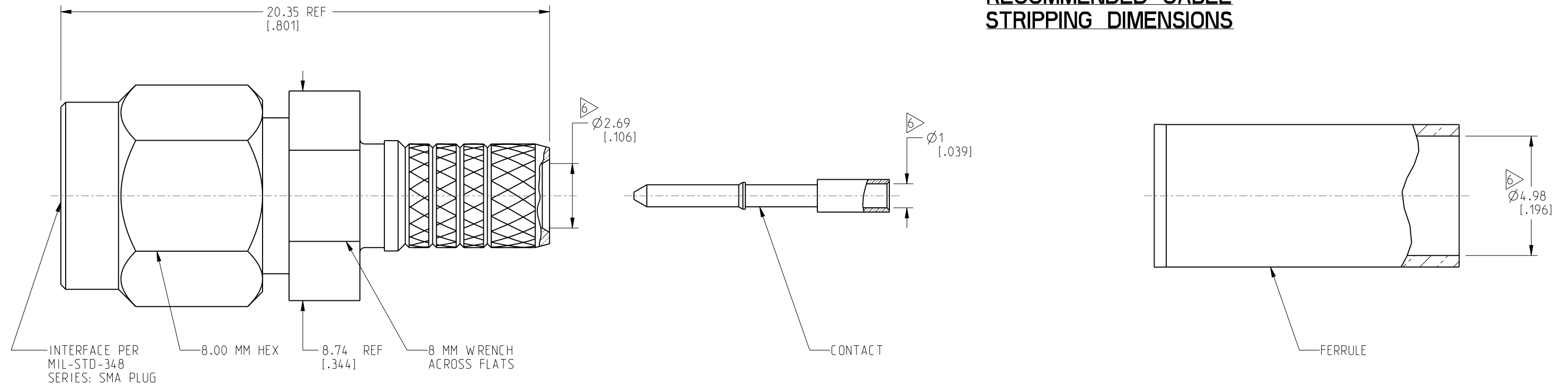
A. TRIM CABLE AS SHOWN.
 B. SLIDE FERRULE ONTO CABLE.
 C. SOLDER CABLE CENTER CONDUCTOR TO CONTACT.
 D. INSERT CABLE, UNTIL IT BOTTOMS, WITH FOIL ENTERING CONNECTOR
 AND BRAID OVER KNURL.
 E. CRIMP FERRULE OVER BRAID WITH .213" HEX DIE.

6 SHOWS CABLE ENTRY DIMENSIONS.

REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	16-NOV-22	16425	SH
B	NO CHANGE IN THIS SHEET	12-DEC-22	16502	CC



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
 C.CROTTY

ENGR.2
 ERVING

DATE
 09-MAR-22

TITLE
 SMA STR PLUG
 FOR RTK044 CABLE

SHEET NO. 2 OF 2

SCALE: 6.0:1.0

Amphenol RF

SIZE	DRAWING NO. 901-10848	REV
	ITEM NO. 901-10848	
	PART NO. 901-10848	

THIRD ANGLE PROJ.

REFERENCE
 901-10734

EAR#
 11040

ANGLES = ±1°