NOTES:

1. MATERIALS AND FINISHES:
   BODY, WASHER, & SHELL - BRASS, SILVER PLATING
   MALE CONTACTS - BRASS, GOLD PLATING
   INSULATORS - PTFE, NATURAL
   SPRING - BeCu, NICKEL PLATING
   GASKET - SILICONE RUBBER, RED
   FERRULE - COPPER, SILVER PLATING

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC-4 GHz
   C. VSWR(RETURN LOSS): 1.35 MAX.
   D. DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS, MIN.

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

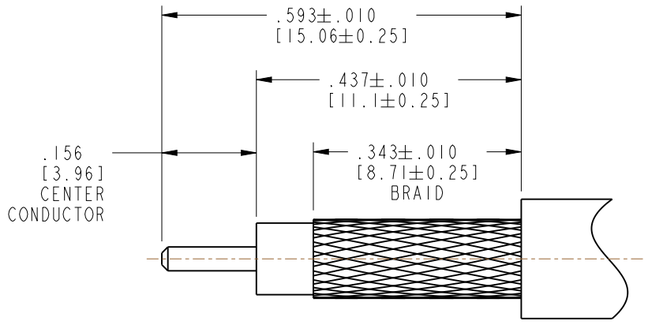
4. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: PACKAGING TO BE MARKED
      "AMPHENOL RF, 31-6871, AND DATE CODE"

5. CABLE ASSEMBLY INSTRUCTIONS:

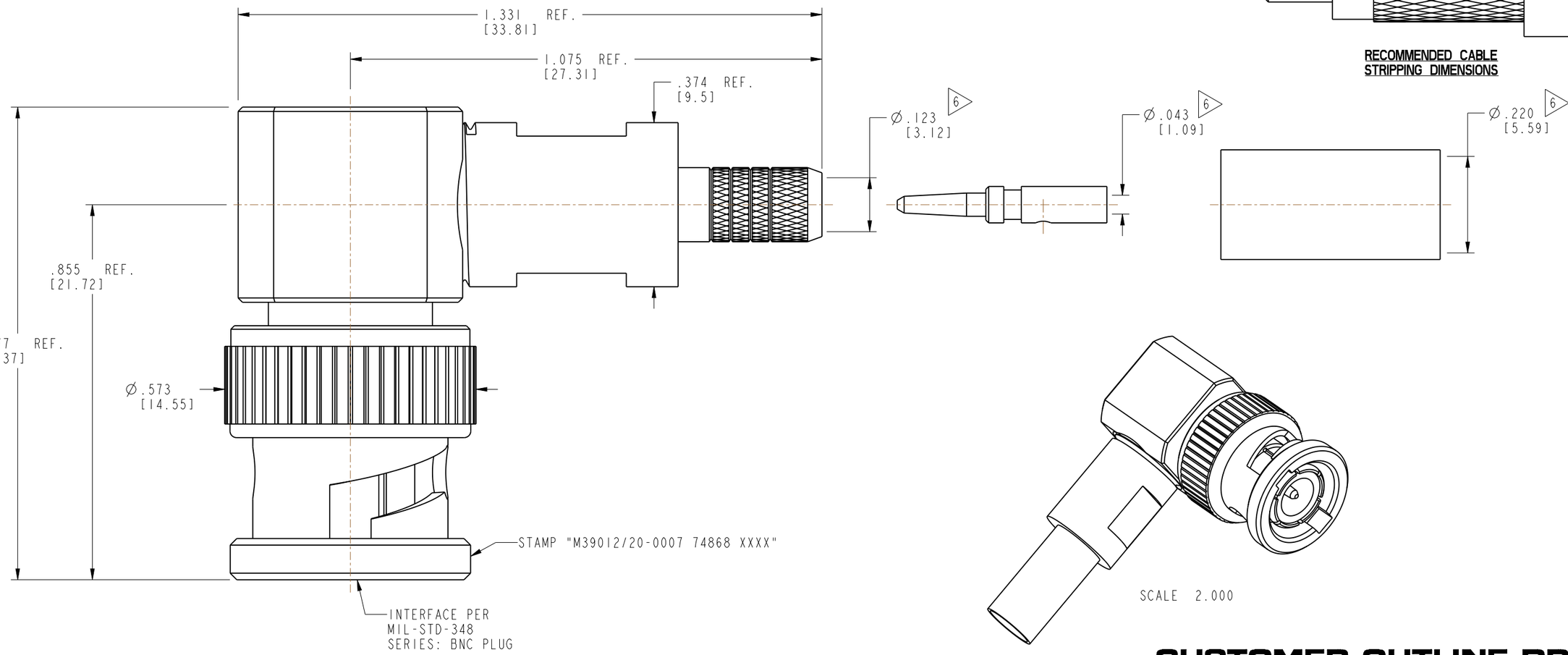
   A. TRIM CABLE AS SHOWN
   B. SLIDE FERRULE ONTO CABLE.
   C. INSERT CABLE CENTER CONDUCTOR TO CONTACT UNTIL CONTACT BOTTOMS ON DIELECTRIC.
   D. SOLDER OR CRIMP CABLE CENTER CONDUCTOR TO CONTACT.
   E. WHEN CRIMPING CONTACT TO CABLE, CRIMP WITH AMPHENOL TOOL 227-944 (M22520/5-01) AND DIE SET 227-1221-11 CAVITY 'B' (M22520/5-11, CLOSURE "B" (0.068" HEX)).
   F. INSERT CABLE INTO CONNECTOR WITH BRAID OVER KNURL UNTIL IT BOTTOMS.
   G. CRIMP WITH AMPHENOL TOOL 227-944 (M22520/5-01) AND DIES SET 227-1221-11, CAVITY 'A' (M22520/5-11, CLOSURE "A" (0.213" HEX)).

6 SHOWS CABLE ENTRY DIMENSIONS.

REVISIONS				
REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MANUFACTURING	15-DEC-20	15459	CJV



RECOMMENDED CABLE STRIPPING DIMENSIONS



SCALE 2.000

MIL-C-39012 INSPECTION

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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THIRD ANGLE PROJ.

REFERENCE: M39012/20-0007

EAR#: 9224

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:

<0.5mm = ±0.05mm	[<0.020 = ±0.002]
>0.5 - 6mm = ±0.1mm	[>0.020 - 0.236 = ±0.004]
>6.00 - 30mm = ±0.2mm	[>0.236 - 1.181 = ±0.008]
>30.00 - 120mm = ±0.3mm	[>1.181 - 4.725 = ±0.012]

ANGLES = ±1°

MATERIAL

ENGINEER: C. VIGORITO

DATE: 02-DEC-19

TITLE: BNC R/A PLUG MIL-CRIMP (CATEGORY C) FOR RG-55, 142, 223, & 400 CABLE

SHEET NO. 2 OF 2

SCALE: 4.0:1.0

Amphenol RF

SIZE	DRAWING NO.	REV
B	31-6871	A
	ITEM NO. 31-6871	
	PART NO. 31-6871	