

NOTES:

1. MATERIALS AND FINISHES:

BODY, BAYONET SLEEVE
RETAINING RING & WASHER - BRASS, NICKEL PLATING
OUTER CONTACT - BeCu, NICKEL PLATING
CONTACT - PHOSPHOR BRONZE, GOLD PLATING
BULLET CONTACT - BRASS, GOLD PLATING
FERRULE - COPPER, NICKEL PLATING
INSULATOR - PTFE, NATURAL
SPRING - STAINLESS STEEL, PASSIVATED
GASKET - FLUOROSILICONE, BLUE

2. ELECTRICAL:

A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 6 GHz
C. RETURN LOSS : 30dB MIN
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.
E. INSULATION RESISTANCE: 10,000 MΩ MIN

3. MECHANICAL:

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

4. ENVIRONMENTAL:

A. THERMAL SHOCK PER MIL-STD-202 METHOD 107
TEST CONDITION B (EXCEPT HIGH TEMP @200°C)
B. VIBRATION: MIL-STD-202 METHOD 204 TEST CONDITION B
C. SHOCK: MIL-STD-202 METHOD 213 TEST CONDITION B
D. CORROSION: MIL-STD-202 METHOD 101
TEST CONDITION B 5% SALT SOLUTION

5. PACKAGING:

A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED:
"AMPHENOL RF, 34-5011 DATE CODE
U.S. PATENT NO. 7,553,177"

6. HIGH DENSITY INSTALLATION/REMOVAL TOOL: 227-T2000

7. CABLE ASSEMBLY INSTRUCTIONS:

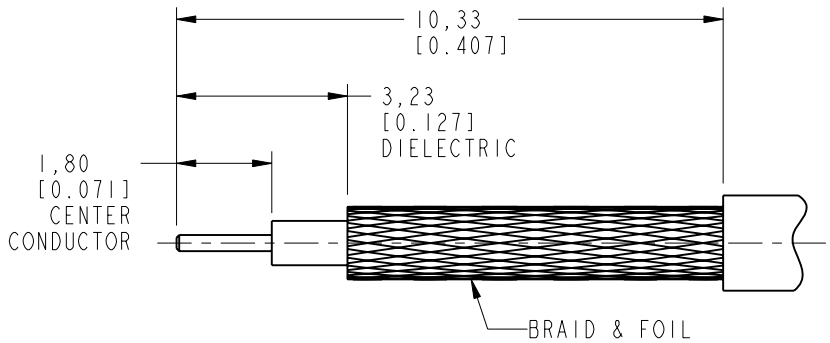
A. TRIM CABLE AS SHOWN.
B. SLIDE FERRULE ONTO THE CABLE.
C. SOLDER BULLET CONTACT TO CABLE CENTER CONDUCTOR
D. CRIMP FERRULE WITH 0.105" HEX.

8 SHOWS CABLE ENTRY DIMENSIONS.

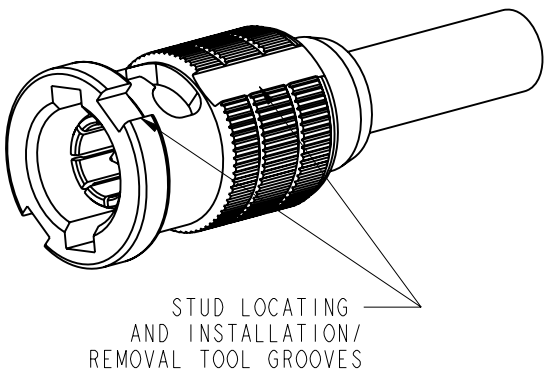
THIRD ANGLE PROJ.

REVISIONS

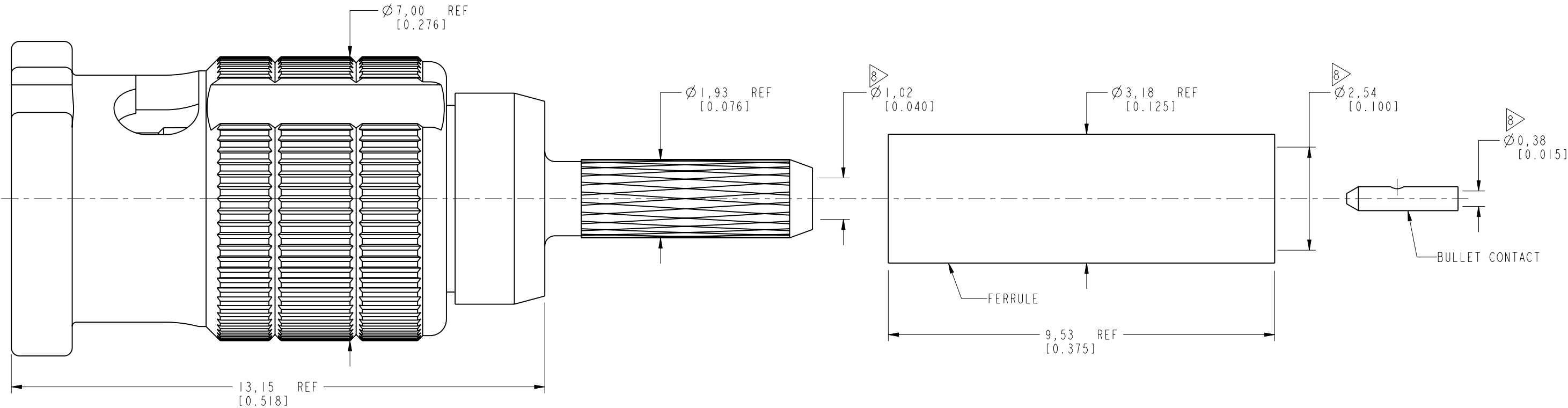
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	05-Apr-13	49282	AAP
B	OPTIMIZED CRIMP DESIGN	23-Oct-17	05587	SS/VK
C	UPDATE THE BACK-END DESIGN ON DIAMOND KNURL	26-Feb-18	07068	SS



RECOMMENDED CABLE STRIPPING DIMENSIONS



SCALE 3.500



PROTECTED UNDER U.S. PATENT # 7,553,177

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

SEE NOTES

REFERENCE

EAR # 4505 & EAR # 7188

CONFIGURATION LEVEL: In Work

FINISH

DRAWN

K. SONG

ENGINEER

A. ARUN PRABU

APPROVED

S. HSIEH

CAD FILE

DATE

01-Mar-18

DATE

09-May-11

DATE

01-Mar-18

TITLE

50 OHM HD-BNC
STR PLUG FOR
RG 178 CABLE

SCALE: 10.0:1.0

DWG SIZE

B

SHEET 2 OF 2

REV

C

Amphenol RF

www.amphenolrf.com

DRAWING NO. 34-5011

ITEM NO. 34-5011

PART NO. 34-5011