

NOTES:

1. MATERIALS AND FINISHES:
  - BODY - BERYLLIUM COPPER, GOLD PLATING
  - CONTACT - BERYLLIUM COPPER, GOLD PLATING
  - SPRING RING - BERYLLIUM COPPER, NICKEL PLATING
  - INNER FERRULE - BRASS, GOLD PLATING
  - INSULATOR - PTFE, NATURAL
  - INSULATOR DISC - ULTEM, NATURAL
2. ELECTRICAL:
  - A. IMPEDANCE: 50 OHM
  - B. FREQUENCY RANGE: DC-6 GHz
  - C. VSWR(RETURN LOSS): 1.14 (-24 dB) MAX. @ DC-2 GHz  
1.22 (-20 dB) MAX. @ 2-4 GHz  
1.38 (-16 dB) MAX. @ 4-6 GHz
  - D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.
  - E. POWER HANDLING: 40 W MAX. @ 2.6 GHz AT 85°C
3. MECHANICAL:
  - A. DURABILITY: 200 CYCLES MIN. WITH SMOOTH BORE JACK  
50 CYCLES MIN. WITH LIMITED DETENT JACK
  - B. TEMPERATURE RANGE: -55°C TO +125°C
4. CABLE ASSEMBLY INSTRUCTIONS:
  - A. STRIP CABLE TO DIMENSIONS SHOWN.
  - B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRAID BACK OVER INNER FERRULE.
  - C. SLIDE INSULATOR DISC ONTO CABLE, BOTTOMING ON FERRULE.
  - D. SOLDER CONTACT TO CABLE CENTER CONDUCTOR.
  - E. INSERT CABLE INTO CONNECTOR.
  - F. CRIMP BODY OVER INNER FERRULE USING 0.105" HEX.

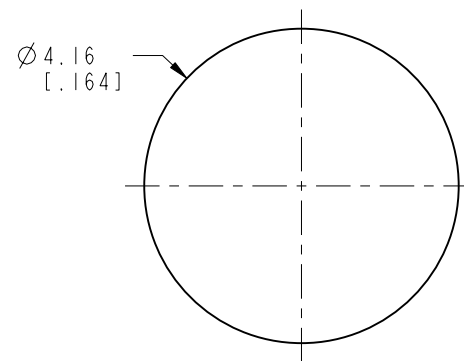
5. SHOWS CABLE ENTRY DIMENSIONS.

4. PACKAGING:
  - A. QUANTITY: SINGLE PACK
  - B. MARKING: PACKAGING TO BE MARKED  
"AMPHENOL RF, 920-512P-51S, AND DATE CODE"

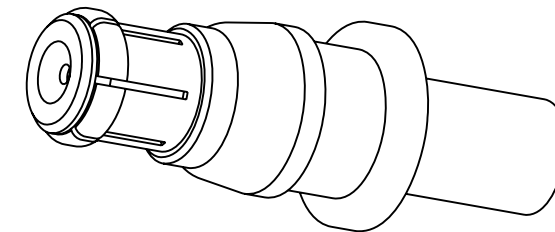
THIRD ANGLE PROJ.

REVISIONS

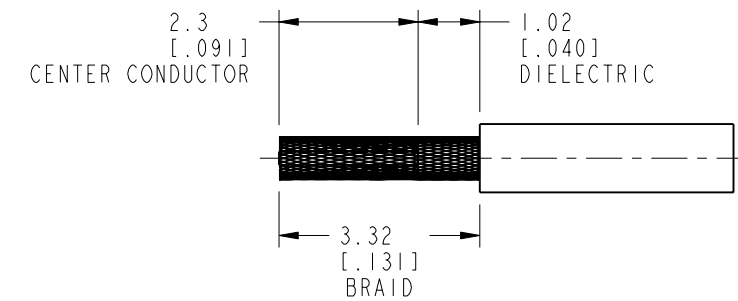
REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	08-Aug-19	12526	KEN



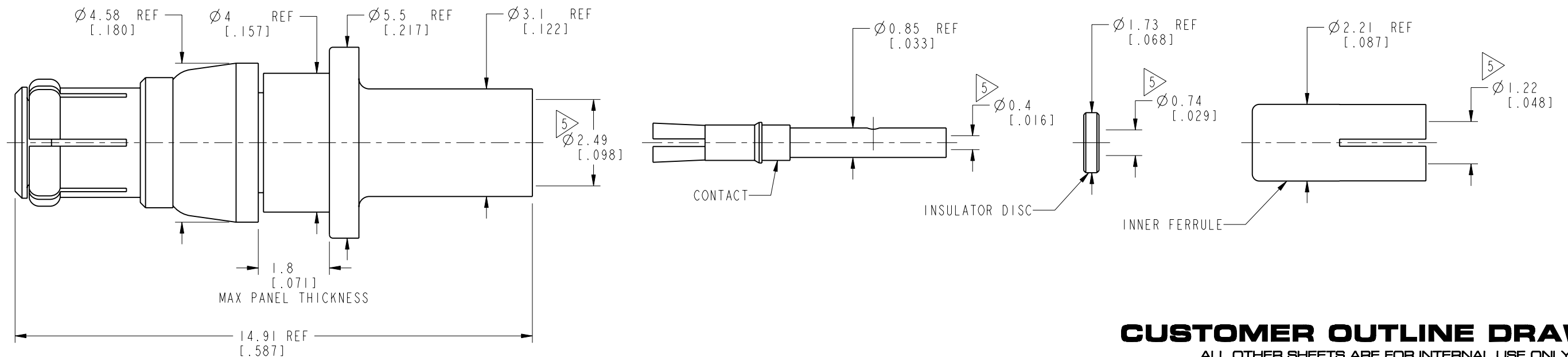
RECOMMENDED PANEL HOLE SIZE



SCALE 5.000



RECOMMENDED CABLE STRIPPING DIMENSIONS



**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°	MATERIAL	DRAWN	DATE	TITLE		Amphenol RF www.amphenolrf.com
	NOTE 1	S. DUAN	12-Aug-19	HD-EFI PLUG FOR 1.13MM CABLE		
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	EAR# 8405	E. HILL	22-May-19	DWG SIZE B		ITEM NO. 920-512P-51S
	REF: ---	APPROVED	S. HSIEH	DATE	REV A	PART NO. 920-512P-51S
CONFIGURATION LEVEL: In Work	CAD FILE		16-Aug-19			
FINISH						