

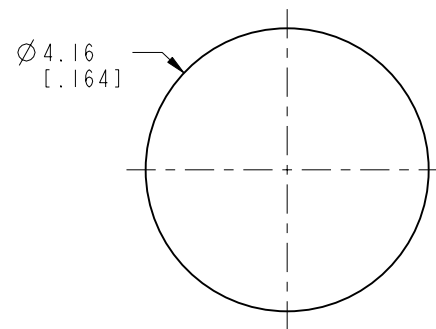
NOTES:

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 CENTER CONDUCTOR.  
 D. SOLDER CONTACT TO CABLE CENTER CONDUCTOR, BOTTOMING ON INSULATOR DISC.  
 E. INSERT CABLE INTO CONNECTOR.  
 F. CRIMP BODY OVER INNER FERRULE USING 0.128" HEX.
5. SHOWS CABLE ENTRY DIMENSIONS.
6. PACKAGING:  
 A. QUANTITY: SINGLE PACK  
 B. MARKING: PACKAGING TO BE MARKED  
     "AMPHENOL RF, 920-51IP-51S, AND DATE CODE"

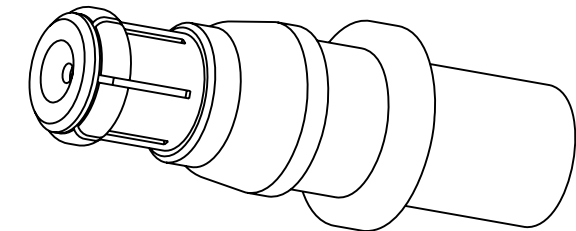
THIRD ANGLE PROJ.

REVISIONS

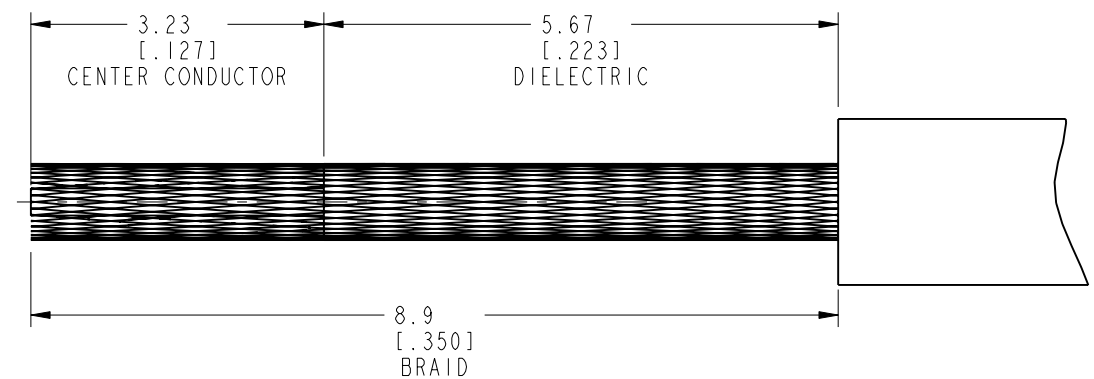
REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	08-Aug-19	12526	KEN



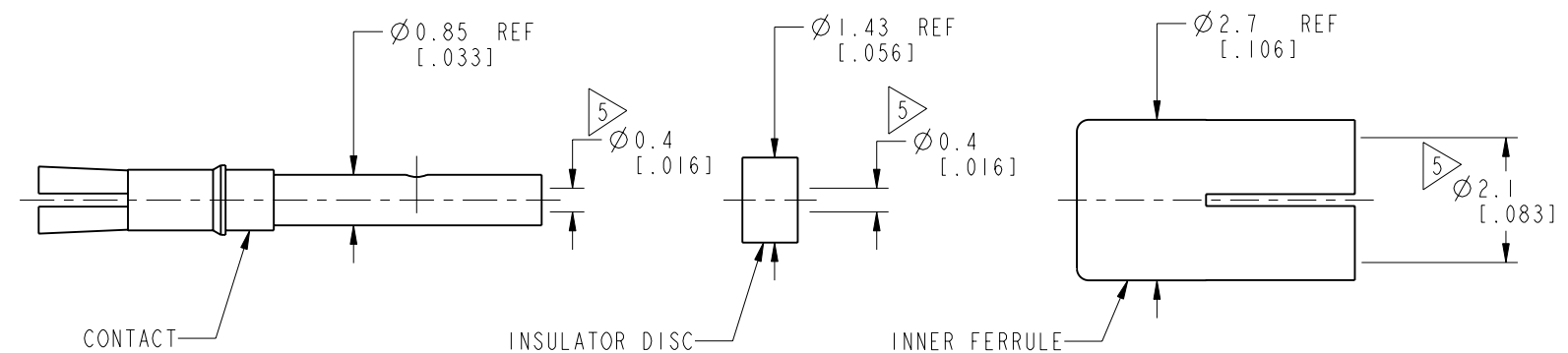
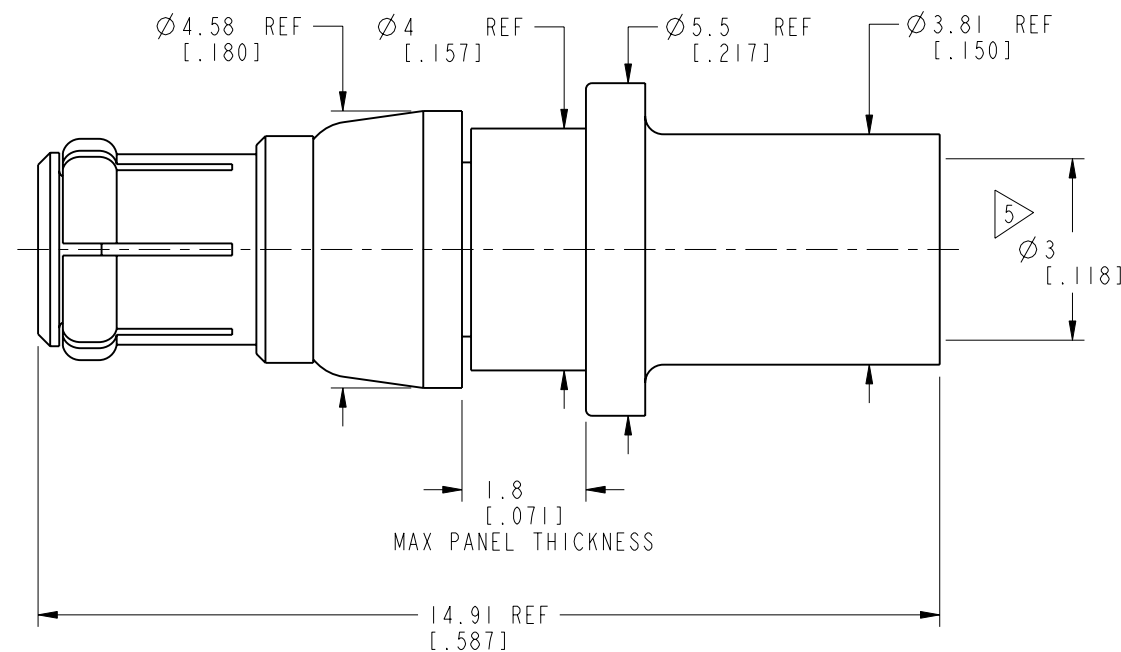
RECOMMENDED PANEL HOLE SIZE



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 RG-178 CABLE		
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	EAR# 8405	E. HILL	16-May-19	DWG SIZE B		REV A
REF: ---	APPROVED	S. HSIEH	DATE	CAD FILE		PART NO. 920-51IP-51S
CONFIGURATION LEVEL: In Work	FINISH		16-Aug-19			