NOTES:
1. MATERIAL AND FINISHES:
   BODY & CONTACT PIN - BRASS, GOLD PLATING
   INSULATOR - LCP, NATURAL

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC - 6 GHz
   C. RETURN LOSS (VSWR): 25dB (1.12) @ DC -3 GHz
                          18dB (1.29) @ 3 - 6 GHz
   D. CONTACT RESISTANCE: CENTER CONTACT 5 mΩ MAX.
                          OUTER CONTACT 5 mΩ MAX.
   E. INSERTION LOSS: 0.1 dB @ DC - 3GHz
   F. INSULATION RESISTANCE: 5000 MΩ MIN.
   G. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.
   H. POWER HANDLING: 40 W @ 2.6 GHz AT 95°C
                      120 W @ 2.5 GHz AT 95°C

3. MECHANICAL:
   A. MATING CYCLES: 200 MIN.
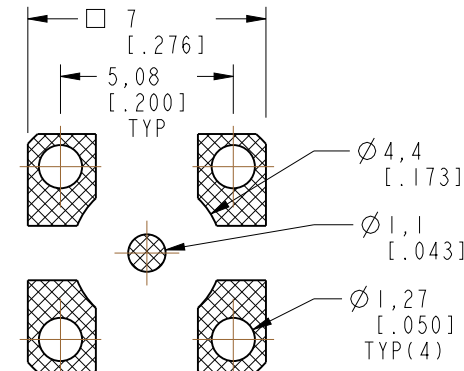   B. TEMPERATURE RANGE: -45°C TO +125°C

4. PACKAGING:
   A. PACKAGE IN 50 PIECE TRAYS
   B. MARK TRAY: "AMPHENOL RF, 920-503J-53P, DATE CODE"

THIRD ANGLE PROJ. ⊕ ◁

REVISIONS				
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	24-May-18	8168	BMG

SCALE 4.000

□ 7 [.276]
5,08 [.200] TYP
Ø 4,4 [.173]
Ø 1,1 [.043]
Ø 1,27 [.050] TYP(4)
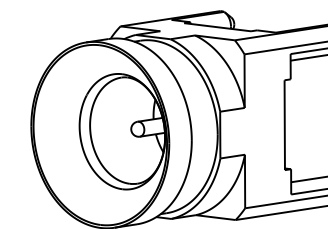
RECOMMENDED PCB LAYOUT

SOLDER FOOTPRINT ONLY,
PERFORMANCE WILL VARY
BASED ON BOARD LAYOUT

9,05 REF [.356]
6,2 REF [.244]
3 [.118] TYP(4)

INTERFACE PER
HD-EFI PLUG
SMOOTH BORE

Ø 0,9 REF [.035]

0,25 REF [.010] CONTACT

0,05 REF [.002]

1,52 REF [.060] BOARD TO REFERENCE PLANE

□ 6 REF [.236]
Ø 1 REF [.039] TYP(4)
□ 1,5 REF [.059] TYP(4)
Ø 5,4 REF [.213]
Ø 7,9 REF [.311]
5,08 REF [.200] TYP
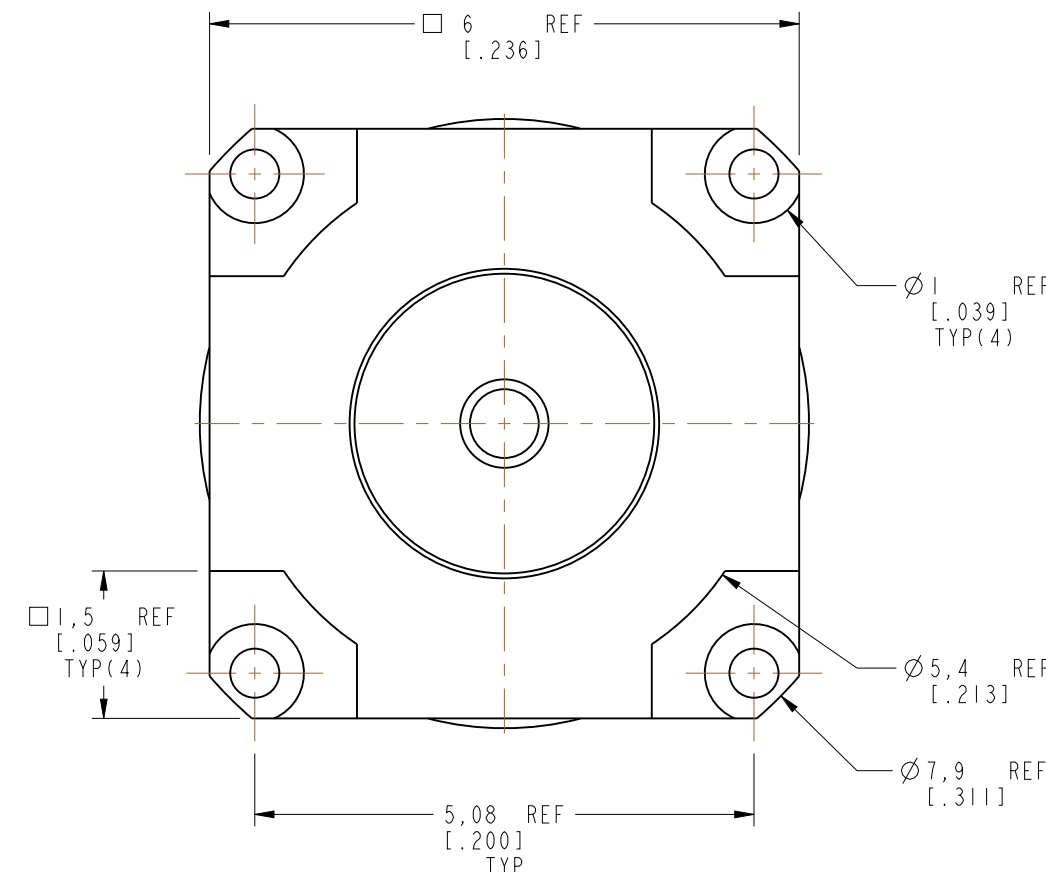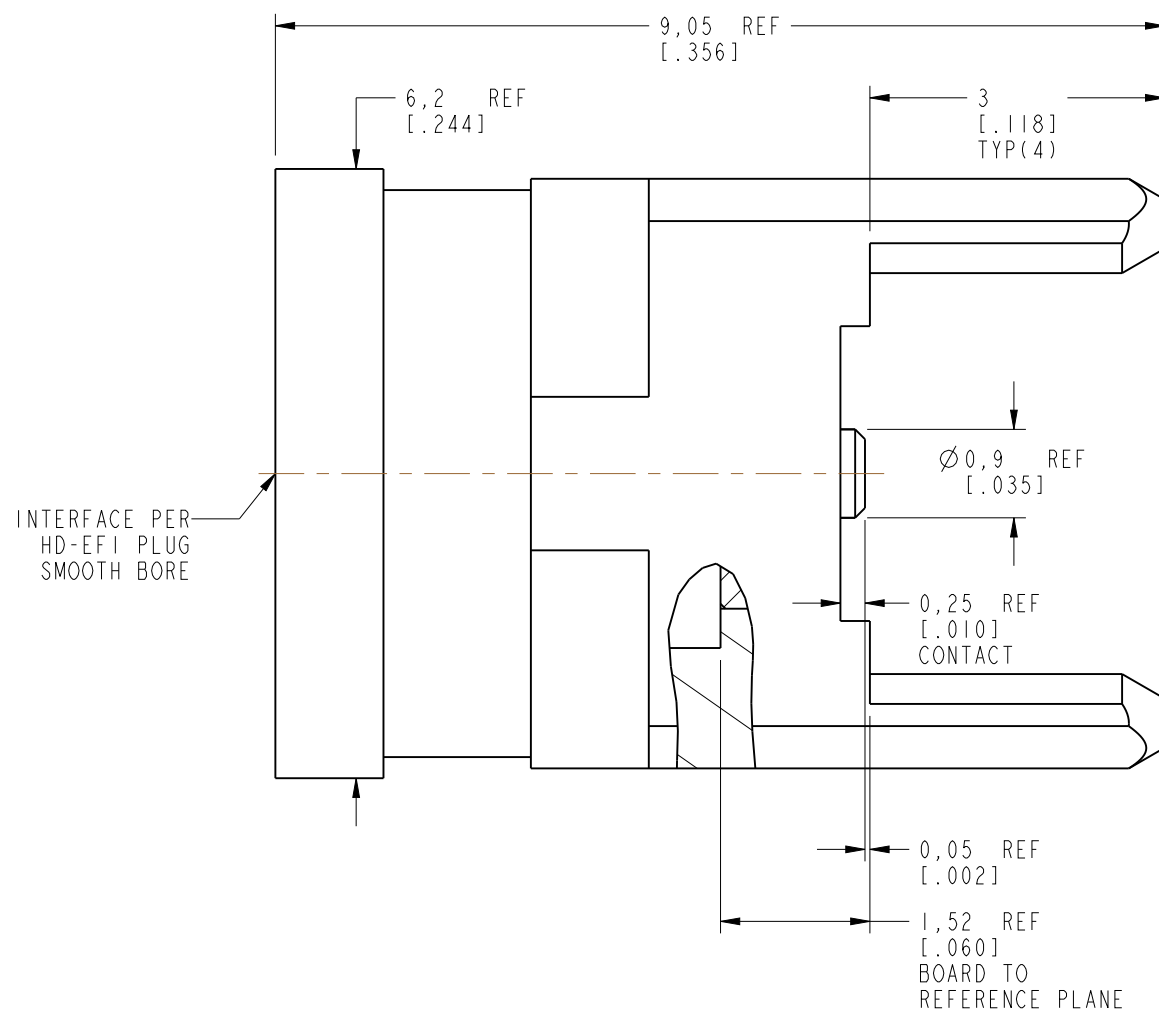
CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
<0.5mm	0.5 - 6mm	6 - 30mm	30 - 120mm	ANGLES
± 0.05mm	±0.1mm	±0.2mm	± 0.3mm	±1°

NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.

MATERIAL		DRAWN	DATE	TITLE		Amphenol RF
SEE NOTES		LOKESH P	03-May-17	HD-EFI STR PLUG		
		ENGINEER	DATE	SMOOTH BORE		www.amphenolrf.com
REFERENCE		B.GREENBAUM	03-May-17	THROUGH HOLE		
EAR# 7563		APPROVED	DATE			DRAWING NO. 920-503J-53P
REF: 615X-3345-X00		K.CAPOZZI	24-May-18	SCALE: 13.0:1.0 SHEET 2 OF 2		
CONFIGURATION LEVEL: In Work		CAD FILE		DWG SIZE	REV	ITEM NO. 920-503J-53P
FINISH				B	A	PART NO. 920-503J-53P