

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

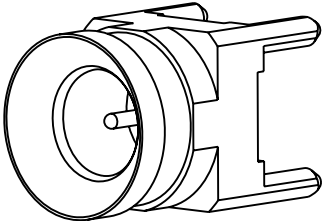
4. PACKAGING:

A. PACKAGE IN 50 PIECES TRAYS

B. MARK TRAY: "AMPHENOL RF, 920-503J-53P, DATE CODE"

THIRD ANGLE PROJ.

REVISIONS				
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG	29-May-18	08168	BMG



SCALE 4.000

RECOMMENDED PCB LAYOUT

SOLDER FOOTPRINT ONLY, PERFORMANCE WILL VARY BASED ON BOARD LAYOUT

INTERFACE PER HD-EFI PLUG SMOOTH BORE

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° 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 www.amphenolrf.com	
	SEE NOTES	W.ZENG	3-Jul-18				
		ENGINEER	DATE				
	REFERENCE	AND	DATE	SCALE: 13.0:1.0		DRAWING NO. 920-503J-53P	
	CONFIGURATION LEVEL: In Work	APPROVED	9-Jul-18	SHEET 2 OF 2		ITEM NO. 920-503J-53P	
	FINISH	CAD FILE		DWG SIZE B		REV A	
						PART NO. 920-503J-53P	

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