NOTES:		THIRD ANGLE PROJ. 🕁	-	REVISIONS
I. MATERIALS AND FINISHES (IN MICRO-INCHES): BODY = ZINC DIECAST PER ASTM-B86, GOLD PL. 3 MIN. THICK OV PL. 100 MIN. THICK OVER COPPER PL. 300 MIN.THICK CONTACT = BRASS PER ASTM B16, GOLD PL. 30 MIN. THICK OVER NI PL. 100 MIN. THICK OVER COPPER STRIKE INSULATOR = PTFE PER ASTM DI710, COLOR: NATURAL. FAKRA HOUSING = NYLON 46, 30% GLASS FILLED, COLOR & KEYING PER DIN 72594-1 (SEE TABLE FOR KEY CODES & COLORS)				RIPTION DATE ECO APPR E TO MFG. 02-Apr-10 47676 SH
<ul> <li>2. ELECTRICAL:</li> <li>A. IMPENDANCE: 50 OHM NOMINAL</li> <li>B. FREQUENCY RANGE: DC- 6 GHz (OPTIMIZED FOR DC-4 GHz)</li> <li>C. VSWR(RETURN LOSS): I.4(-I5.6 dB), MAX.(DC-2 GHz) (MATED PAIR) I.5(-I3.9 dB), MAX.(2-3 GHz)</li> <li>D. D.W.V.: 800 VRMS, MIN.</li> </ul>	► II.60±0.25	XCG = 1.356 REF		
<ul> <li>MECHANICAL:</li> <li>A. DURABILITY: 100 CYCLES MIN.</li> <li>B. TEMPERATURE RANGE: -40° C TO 100° C</li> <li>C. HOUSING RETENTION: 110N MIN. AXIAL</li> <li>PACKAGING:</li> </ul>			YCG = 0.703 REF. 3.15±0.2	5   <del>■</del> 10.00±0.25
A. TYPE: D. QUANTITY: C. PACKAGING MARKING: AMPHENOL RF 2FAI-WXSP-PCBA3 DATE CODE 5. CENTER OF GRAVITY		4.10 REF.	0.35 REF. TYP.(4x)	* 1.25±0.07 * 1.25±0.07 2.20±0.15 TYP.(2x) * 4.30±0.07
6. INTERFACE DIMENSIONS MEET DIN 72594-1 AND USCAR-18. CONFIGURATION CONTROL: NO CHANGES PERMITTED TO DRAWING WITHOUT PPAP QUALIFIED CUSTOMER APPROVAL		21.85 REF. 10.25±0.25 10.25±0.25 7.00±0.05 →		7.00±0.07 TYP.(2x)
CODINGPART NUMBER & DRAWING_NUMBERCOLORRAL NO.A2FAI-WASP-PCBA3JET BLACK9005B2FAI-WBSP-PCBA3CREAM9001C2FAI-WCSP-PCBA3SIGNAL BLUE5005D2FAI-WDSP-PCBA3CLARET VIOLET4004E2FAI-WESP-PCBA3LEAF GREEN6002			6.00±0.05 4.50 REF. 7.50±0.15	3.00 REF. $TYP.(2x)$ $6.00\pm0.07$ $FYP.(2x)$ $RECOMMENDED PCB$
F       2FAI-WFSP-PCBA3       NUT BROWN       8011         G       2FAI-WGSP-PCBA3       BLUE GREY       7031         H       2FAI-WHSP-PCBA3       HEATHER VIOLET       4003         I       2FAI-WISP-PCBA3       BEIGE       1001         K       2FAI-WKSP-PCBA3       CURRY       1027         L       2FAI-WLSP-PCBA3       CARMINE RED       3002		Ø0.65 REF.	Ø  .32±0.05 TYP.(4x)	LAYOUT * ADJUSTABLE FOR RF PERFORMANCE
M2FAI-WMSP-PCBA3PASTEL ORANGE2003N2FAI-WNSP-PCBA3PASTEL GREEN6019Z2FAI-WZSP-PCBA3WATER BLUE5021				MER OUTLINE DRAWING
0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES +0.1mm +0.2mm +0.3mm +1°	ERIAL SEE NOTES	DRAWN DATE SHANMUGA 06-Feb-09 ENGINEER DATE	— FAKRA PLUG,	Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com
not to be regarded by implication or otherwise in any manner licensing, granting	RENCE EAR #3364 AND 2FAI-WXSP-PCB-I2 IGURATION LEVEL: Prototype	B.C. GLEISSNER06-Feb-09APPROVEDDATEK. CAPOZZI7/9/09CAD FILE	SCALE: 5.0:1.0 SHEET 2 OF	DRAWING NO. 2FAI-WXSP-PCBA3
	ISH	I:\FAKRA\2FAI-WXSP-PCBA3	dwgsize codeid B 74868	A PART NO.2FAI-WXSP-PCBA3

## **Mouser Electronics**

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Amphenol: 2FA1-WZSP-PCBA3