

NOTES:

1. MATERIALS AND FINISHES (IN MICRO-INCHES):

- BODY = ZINC DIECAST PER ASTM-B86, GOLD PL. 3 MIN. THICK OVER NICKEL
PL. 100 MIN. THICK OVER COPPER PL. 300 MIN.THICK
CONTACT = BRASS PER ASTM B16, GOLD PL. 30 MIN. THICK OVER NICKEL
PL. 100 MIN. THICK OVER COPPER STRIKE
INSULATOR = PTFE PER ASTM D1710, COLOR: NATURAL.
FAKRA HOUSING = NYLON 46, 30% GLASS FILLED, COLOR & KEYING PER
DIN 72594-1 (SEE TABLE FOR KEY CODES & COLORS)

2. ELECTRICAL:

- A. IMPEDANCE: 50 OHM NOMINAL
B. FREQUENCY RANGE: DC- 6 GHz (OPTIMIZED FOR DC-4 GHz)
C. VSWR(RETURN LOSS): 1.4(-15.6 dB), MAX.(DC-2 GHz)
(MATED PAIR) 1.5(-13.9 dB), MAX.(2-3 GHz)
D. D.W.V.: 800 VRMS, MIN.

3. MECHANICAL:

- A. DURABILITY: 100 CYCLES MIN.
B. TEMPERATURE RANGE: -40° C TO 100° C
C. HOUSING RETENTION: 110N MIN. AXIAL

4. PACKAGING:

- A. TYPE: TAPE & REEL
B. QUANTITY: 500/REEL
C. PACKAGING MARKING: AMPHENOL RF
2FAI-WXSP-PCBA3
DATE CODE

5. CENTER OF GRAVITY

6. INTERFACE DIMENSIONS MEET DIN 72594-1 AND USCAR-18.

CONFIGURATION CONTROL:
NO CHANGES PERMITTED TO DRAWING WITHOUT
PPAP QUALIFIED CUSTOMER APPROVAL

CODING	PART NUMBER & DRAWING NUMBER	COLOR	RAL NO.
A	2FAI-WASP-PCBA3	JET BLACK	9005
B	2FAI-WBSP-PCBA3	CREAM	9001
C	2FAI-WCSP-PCBA3	SIGNAL BLUE	5005
D	2FAI-WDSP-PCBA3	CLARET VIOLET	4004
E	2FAI-WESP-PCBA3	LEAF GREEN	6002
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
M	2FAI-WMSP-PCBA3	PASTEL ORANGE	2003
N	2FAI-WNSP-PCBA3	PASTEL GREEN	6019
Z	2FAI-WZSP-PCBA3	WATER BLUE	5021

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

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MATERIAL
SEE NOTES

REFERENCE
EAR #3364 AND 2FAI-WXSP-PCB-12

CONFIGURATION LEVEL: Prototype

FINISH

DRAWN
SHANMUGA

DATE
06-Feb-09

ENGINEER
B.C. GLEISSNER

DATE
06-Feb-09

APPROVED
K. CAPOZZI

DATE
7/9/09

CAD FILE

I:\FAKRA\2FAI-WXSP-PCBA3

TITLE

FAKRA PLUG,
PIN & PASTE

SCALE: 5.0:1.0

DWG SIZE

B

SHEET 2 OF 2

CODE ID

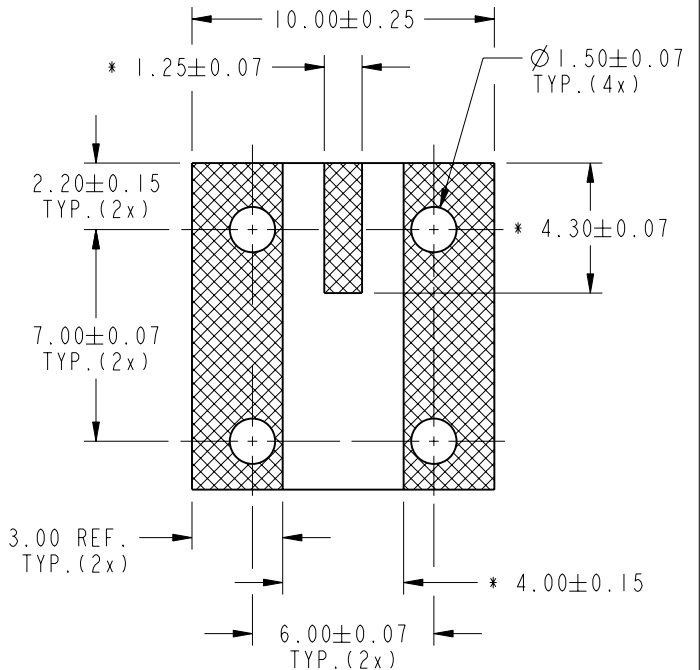
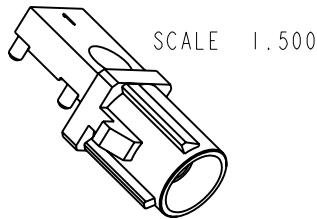
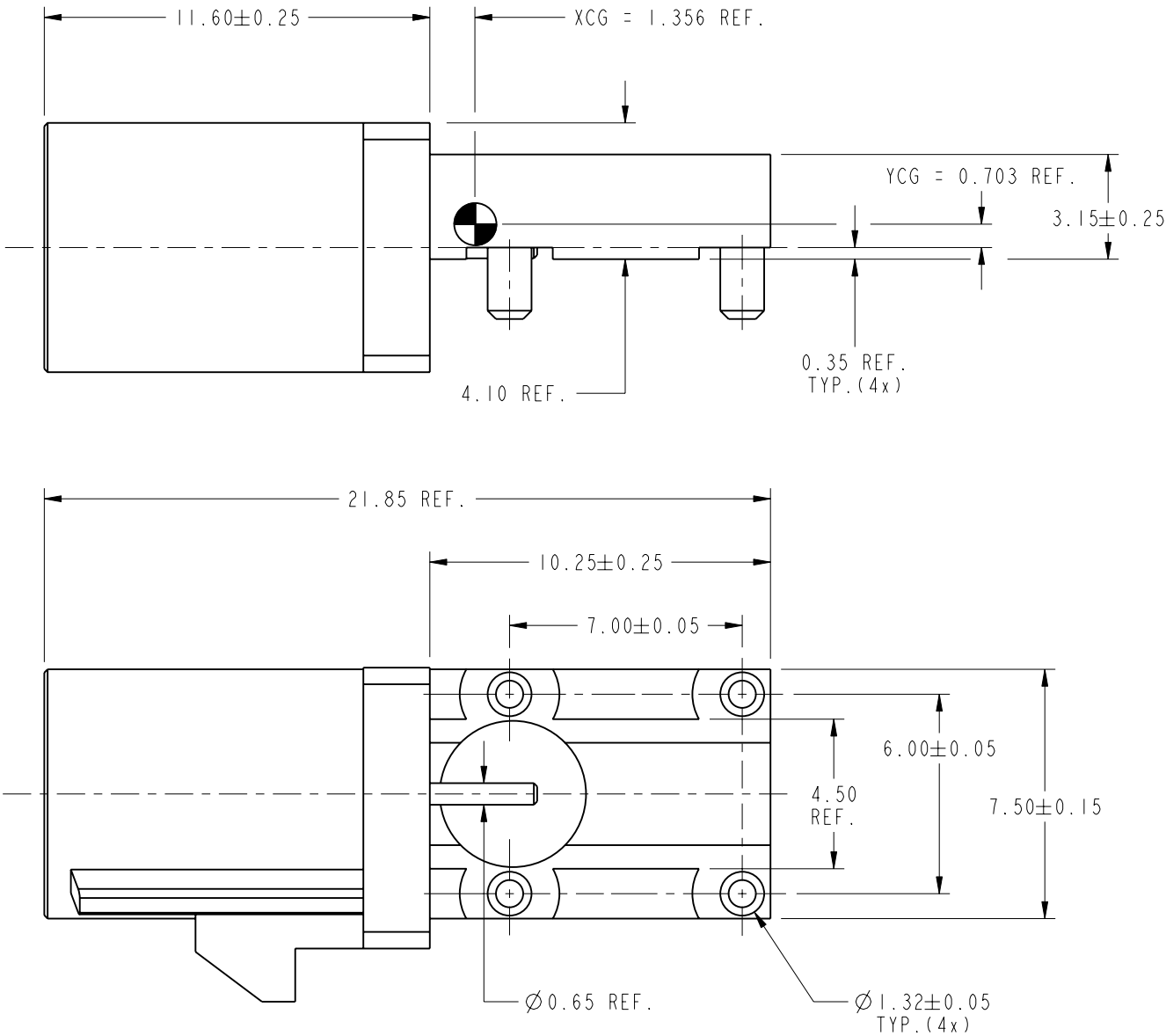
74868

REV

A

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	02-Apr-10	47676	SH



RECOMMENDED PCB LAYOUT
*** ADJUSTABLE FOR RF PERFORMANCE**

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES ±0.1mm ±0.2mm ± 0.3mm ±1°	MATERIAL SEE NOTES	DRAWN SHANMUGA	DATE 06-Feb-09	TITLE FAKRA PLUG, PIN & PASTE			Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com		
		ENGINEER B.C. GLEISSNER	DATE 06-Feb-09						
		REFERENCE EAR #3364 AND 2FAI-WXSP-PCB-12	APPROVED K. CAPOZZI						
		CONFIGURATION LEVEL: Prototype		SCALE: 5.0:1.0		SHEET 2 OF 2			
		FINISH	I:\FAKRA\2FAI-WXSP-PCBA3	DWG SIZE B	CODE ID 74868	REV A	DRAWING NO. 2FAI-WXSP-PCBA3		
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							PART NO. 2FAI-WXSP-PCBA3		