

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

Amphenol RF

Danbury CT USA, Tainan, Taiwan, Shenzhen, China  
www.amphenolrf.com

DRAWING NO. 2FAI-WXSP-PCBA3

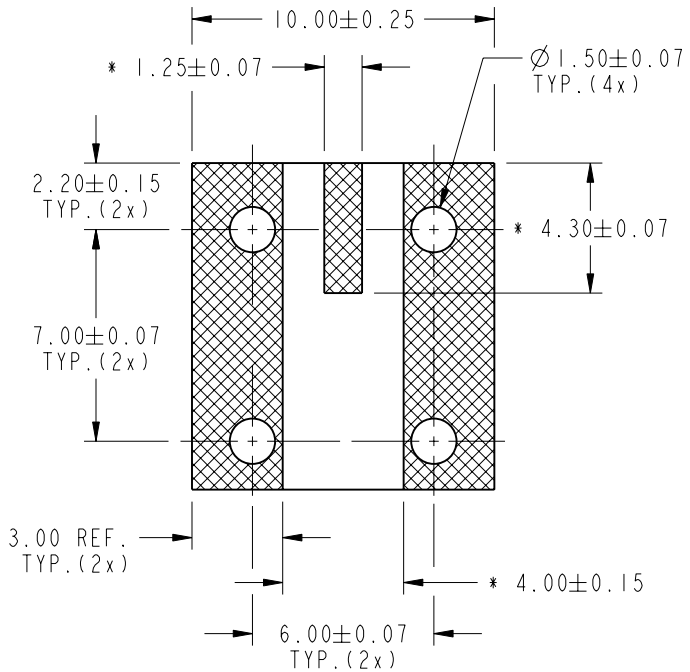
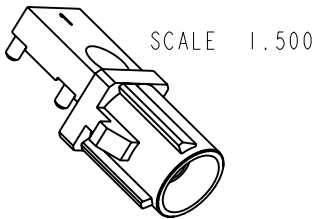
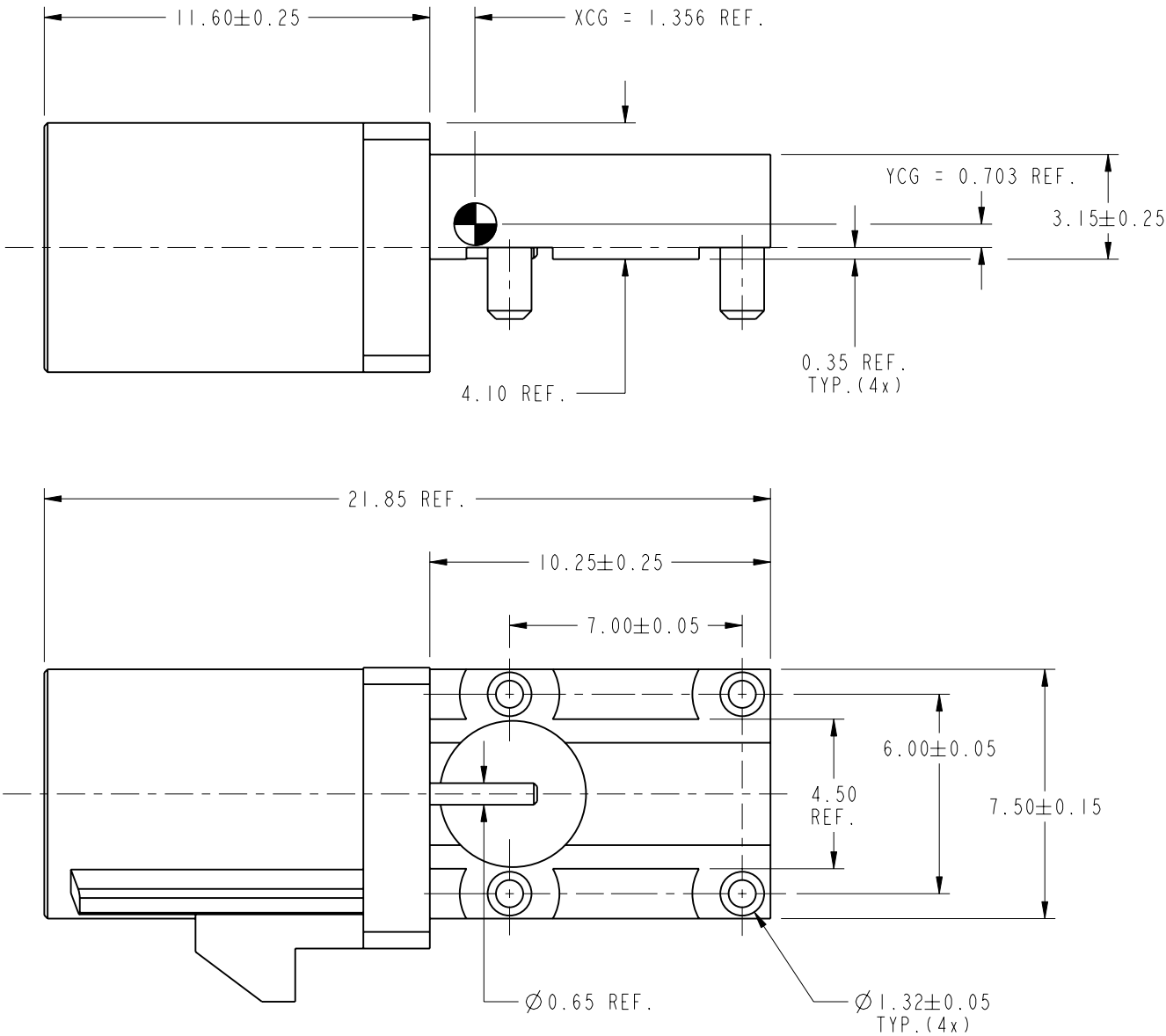
ITEM NO. 2FAI-WXSP-PCBA3

PART NO. 2FAI-WXSP-PCBA3

THIRD ANGLE PROJ.

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