

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.

THIRD ANGLE PROJ.



REV

DESCRIPTION

DATE

ECO

APPR

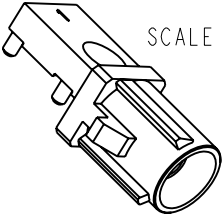
A

RELEASE TO MFG.

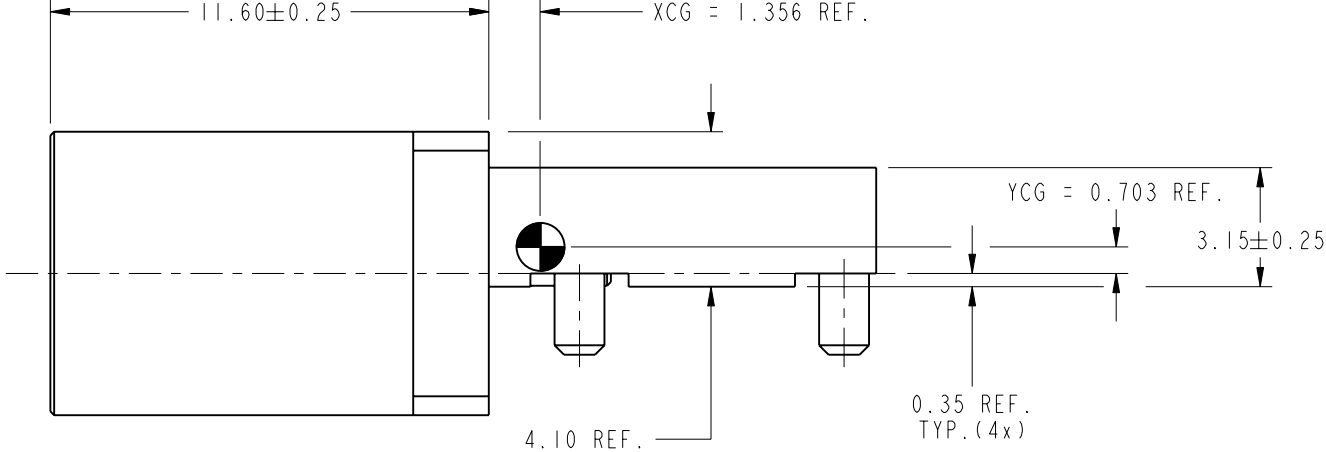
02-Apr-10

47676

SH



SCALE 1.500



11.60±0.25

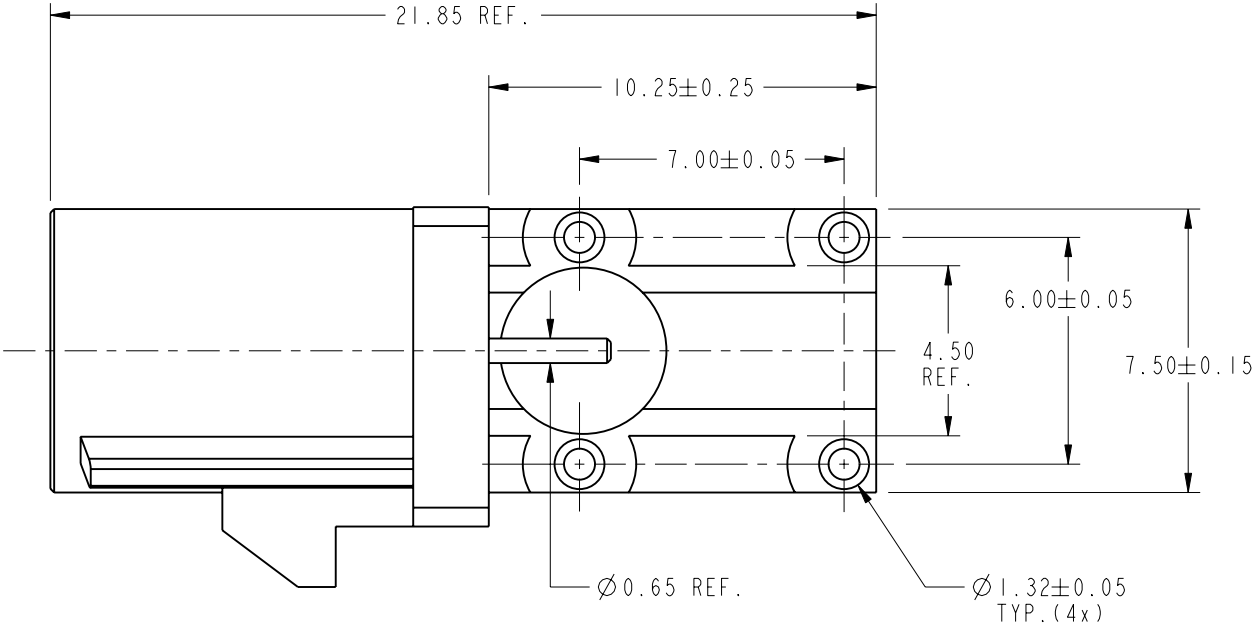
XCG = 1.356 REF.

YCG = 0.703 REF.

3.15±0.25

0.35 REF. TYP.(4x)

4.10 REF.



21.85 REF.

10.25±0.25

7.00±0.05

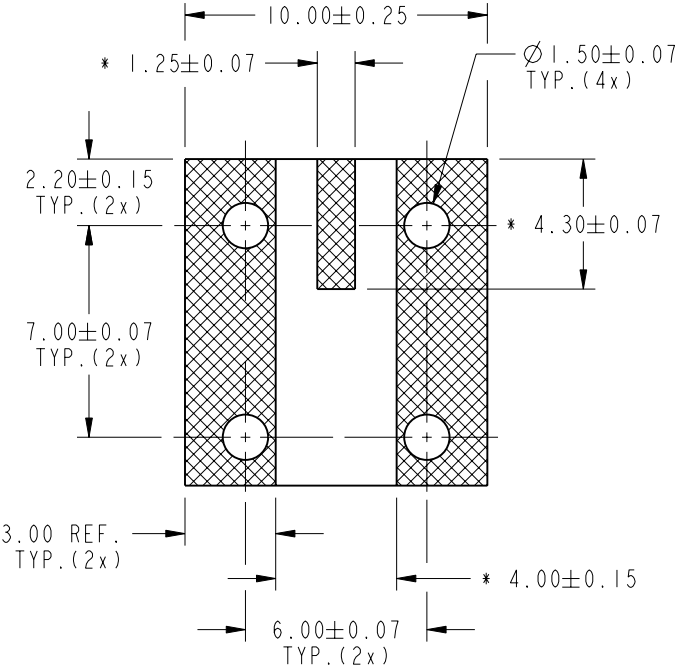
6.00±0.05

7.50±0.15

4.50 REF.

Ø0.65 REF.

Ø1.32±0.05 TYP.(4x)



10.00±0.25

* 1.25±0.07

Ø1.50±0.07 TYP.(4x)

2.20±0.15 TYP.(2x)

* 4.30±0.07

7.00±0.07 TYP.(2x)

3.00 REF. TYP.(2x)

* 4.00±0.15

6.00±0.07 TYP.(2x)

RECOMMENDED PCB LAYOUT

* ADJUSTABLE FOR RF PERFORMANCE

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

ENGINEER
B.C. GLEISSNER

APPROVED
K. CAPOZZI

CAD FILE
I:\FAKRA\2FAI-WXSP-PCBA3

DATE
06-Feb-09

DATE
06-Feb-09

DATE
7/9/09

TITLE
FAKRA PLUG,
PIN & PASTE

SCALE: 5.0:1.0

DWG SIZE
B

SHEET 2 OF 2

CODE ID
74868

REV
A

Amphenol RF
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DRAWING NO. 2FAI-WXSP-PCBA3

ITEM NO. 2FAI-WXSP-PCBA3

PART NO. 2FAI-WXSP-PCBA3

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY