

NOTES:

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

BODY

= ZINC DIECAST PER ASTM B86, MATTE TIN PL. 100 MIN. THICK OVER NICKEL PL. 100 MIN. THICK OVER COPPER PL.(250 MIN./300 MAX.) 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.

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- 3.0 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 125° C

C. HOUSING RETENTION:

110N MIN. AXIAL

4. PACKAGING:

A. TYPE:

TAPE & REEL

B. QUANTITY:

500/REEL

C. PACKAGING MARKING:

AMPHENOL RF

FK1251XX-021-TT30G-50

2FA1-NXSP-PCBA9

DATE CODE

5.  CENTER OF GRAVITY

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

THIRD ANGLE PROJ.



REV

DESCRIPTION

DATE

ECO

APPR

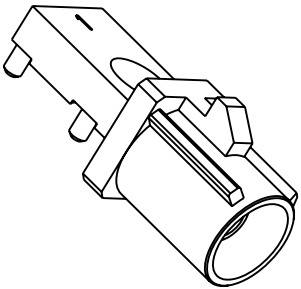
A

RELEASE TO MFG

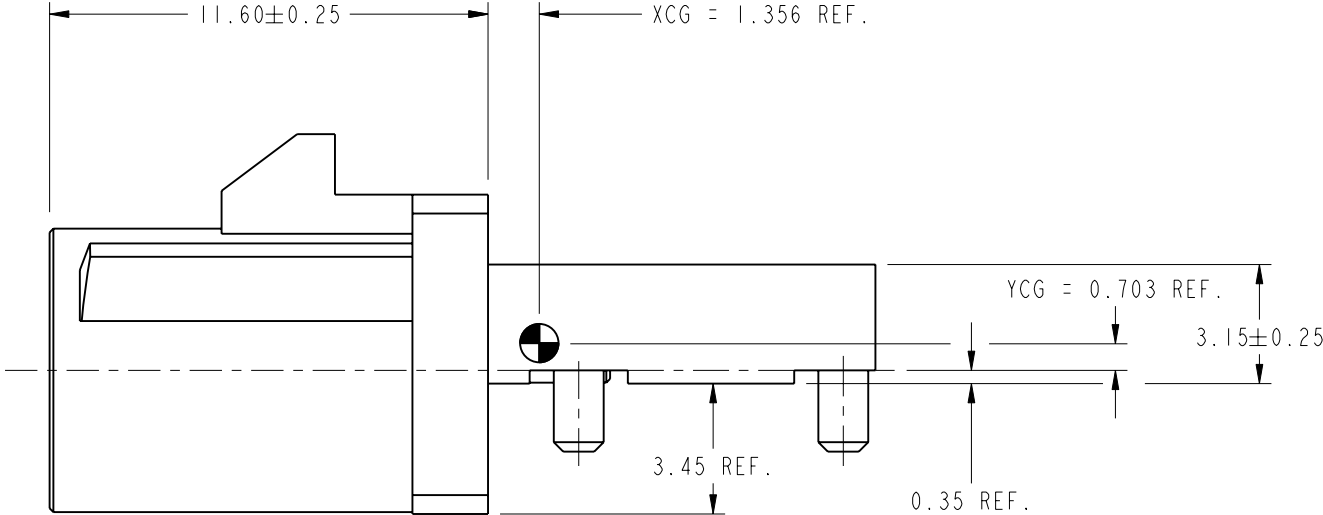
27-Apr-11

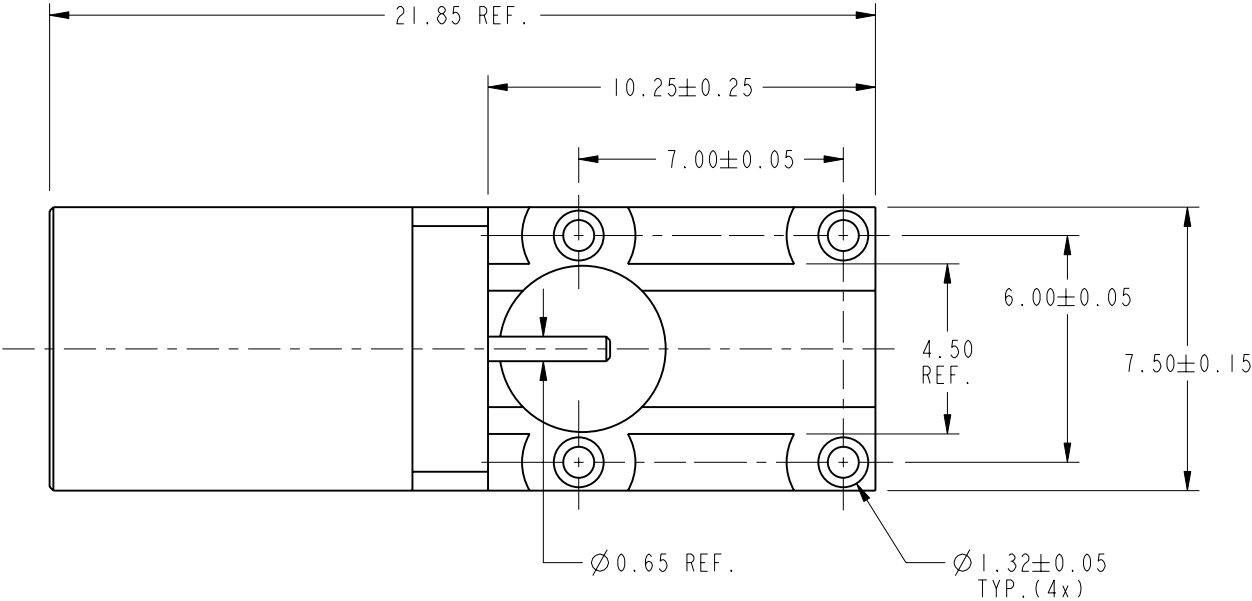
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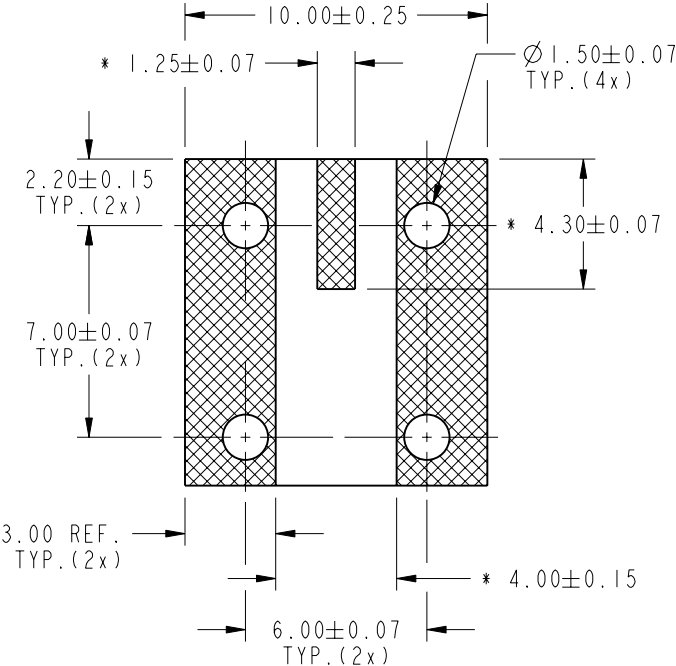
SH



SCALE 2.000







RECOMMENDED PCB LAYOUT

* ADJUSTABLE FOR RF PERFORMANCE

CODING

DRAWING NO.

PART NO.

COLOR

RAL NO.

A

FK1251AW-021-TT30G-50

2FA1-NASP-PCBA9

JET BLACK

9005

B

FK1251BW-021-TT30G-50

2FA1-NBSP-PCBA9

CREAM

9001

C

FK1251CW-021-TT30G-50

2FA1-NCSP-PCBA9

SIGNAL BLUE

5005

D

FK1251DW-021-TT30G-50

2FA1-NDSP-PCBA9

CLARET VIOLET

4004

E

FK1251EW-021-TT30G-50

2FA1-NESP-PCBA9

LEAF GREEN

6002

F

FK1251FW-021-TT30G-50

2FA1-NFSP-PCBA9

NUT BROWN

8011

G

FK1251GW-021-TT30G-50

2FA1-NGSP-PCBA9

BLUE GREY

7031

H

FK1251HW-021-TT30G-50

2FA1-NHSP-PCBA9

HEATHER VIOLET

4003

I

FK1251IW-021-TT30G-50

2FA1-NISP-PCBA9

BEIGE

1001

K

FK1251KW-021-TT30G-50

2FA1-NKSP-PCBA9

CURRY

1027

L

FK1251LW-021-TT30G-50

2FA1-NLSP-PCBA9

CARMINE RED

3002

M

FK1251MW-021-TT30G-50

2FA1-NMSP-PCBA9

PASTEL ORANGE

2003

N

FK1251NW-021-TT30G-50

2FA1-NNSP-PCBA9

PASTEL GREEN

6019

Z

FK1251ZW-021-TT30G-50

2FA1-NZSP-PCBA9

WATER BLUE

5021

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:

<0.5mm

0.5 - 6mm

6 - 30mm

30 - 120mm

ANGLES

± 0.05mm

±0.1mm

±0.2mm

± 0.3mm

±1°

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MATERIAL

-

REFERENCE

EAR # 4642 AND 2FA1-WXSP-PCBA3

CONFIGURATION LEVEL: ***

FINISH

DRAWN

B.C.GLEISSNER

ENGINEER

B.C.GLEISSNER

APPROVED

S.HSIEH

CAD FILE

I:\FAKRA\FK1251XX-021-TT30G-50

DATE

15-Mar-11

DATE

15-Mar-11

DATE

27-Apr-11

TITLE

FAKRA STRAIGH PLUG PIN & PASTE

SCALE: 5.0:1.0

SHEET 2 OF 2

DWG SIZE

B

REV

A

Amphenol RF

Danbury CT USA, Tainan, Taiwan, Shenzhen, China

www.amphenolrf.com

DRAWING NO.

FK1251XX-021-TT30G-50

ITEM NO.

FK1251AHX00TD5F

PART NO.

2FA1-NXSP-PCBA9

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