

NOTES:

1. MATERIALS AND FINISH (IN MICRO-INCHES)

BODY

= ZINC DIECAST (PER ASTM-B86, UNS Z33520)

MATTE TIN PL. 100 MIN.

INSULATOR

= PTFE PER ASTM D1710, COLOR: NATURAL

HOUSING

= PPE+PS, COLOR: PER TABLE

CONTACT

= BeCu (PER ASTM B196, GOLD PL. 30 MIN.)

FERRULE

= COPPER (PER ASTM B15, UNS C11000 OR C12200)

NICKEL PL. 100 MIN.

C04 CONTACT MAY BE PURCHASED SEPARATELY AS P/N: 923-10621

C04 FERRULE MAY BE PURCHASED SEPARATELY AS P/N: FKFR00201A

CABLE DEFINITIONS PER AMPHENOL REPORT DE825

2. ELECTRICAL:

A. IMPEDANCE:

50 OHM, NOMINAL

B. FREQUENCY RANGE:

DC-6.0 GHz

C. VSWR(RETURN LOSS):

1.200 (-20.8 dB) MAX. (DC-200 MHz)

1.400 (-15.6 dB) MAX. (200 MHz-2.0 GHz)

(MATED PAIR):

1.500 (-13.9 dB) MAX. (2.0-3.0 GHz)

1.600 (-12.7 dB) MAX. (3.0-6.0 GHz)

D. D.W.V:

800 VRMS MIN.

3. MECHANICAL:

A. DURABILITY:

100 CYCLES MIN.

B. TEMPERATURE RANGE:

-40°C TO 85°C

C. USCAR-17 COMPLIANT

D. INTERFACE PER DIN 72594-1

4. PACKAGING:

A. QUANTITY:

TRAY PACK

B. MARKING:

TRAY TO BE MARKED

"AMPHENOL, 3FAI6NXSJ-C04-6, AND DATE CODE"

5. CABLE ASSEMBLY INSTRUCTIONS PER 349-50915

THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	30-Mar-16	50811	BCG
B	NOTE 5 UPDATED	29-Aug-16	01846	CL

CONFIGURATION CONTROL:

NO CHANGES PERMITTED TO DRAWING WITHOUT PPAP QUALIFIED CUSTOMER APPROVAL

17.20

7.80

DIELECTRIC

2.20

CENTER CONDUCTOR

RECOMMENDED CABLE STRIPPING DIMENSIONS

30.04 REF

23.00±0.25

8.31 REF

11.00±0.20

16.60±0.20

Ø 4.37^{+0.10}_{-0.07} (OVER KNURL)

Ø 1.54 REF

Ø 0.96 REF

Ø 6.48 REF

5.00 REF

HALF CRIMP AREA WHEN ASSEMBLY (NOTE.5)

CONTACT

SEE NOTE 3D

SEE TABLE FOR PART NUMBER, COLOR, AND KEY CODING

- "Z" KEYING SHOWN -

SCALE 1.500

CODING	DRAWING NO.	COLOR	RAL NO.
A	3FAI6NASJ-C04-6	JET BLACK	9005
B	3FAI6NBSJ-C04-6	CREAM	9001
C	3FAI6NCSJ-C04-6	SIGNAL BLUE	5005
D	3FAI6NDSJ-C04-6	CLARET VIOLET	4004
E	3FAI6NESJ-C04-6	LEAF GREEN	6002
F	3FAI6NFSJ-C04-6	NUT BROWN	8011
G	3FAI6NGSJ-C04-6	BLUE GREY	7031
H	3FAI6NHSJ-C04-6	HEATHER VIOLET	4003
I	3FAI6NISJ-C04-6	BEIGE	1001
K	3FAI6NKSJ-C04-6	CURRY	1027
L	3FAI6NLSJ-C04-6	CARMINE RED	3002
M	3FAI6NMSJ-C04-6	PASTEL ORANGE	2003
N	3FAI6NNSJ-C04-6	PASTEL GREEN	6019
Z	3FAI6NZSJ-C04-6	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	DRAWN	DATE	TITLE		Amphenol RF	
SEE NOTES	B.C. GLEISSNER	30-Mar-16	GEN 3.0 FAKRA JACK, C04 CABLE GROUP, WITH MACHINED CONTACT		www.amphenolrf.com	
REFERENCE	ENGINEER	DATE	6.0 GHz PERFORMANCE		DRAWING NO.3FAI6NXSJ-C04-6	
EAR # 6559	B.C. GLEISSNER	30-Mar-16	SCALE: 4.0:1.0		ITEM NO. 3FAI6NXSJ-C04-6	
CONFIGURATION LEVEL: RELEASE	APPROVED	DATE	SHEET 2 OF 2		PART NO. 3FAI6NXSJ-C04-6	
S.HSIEH	S.HSIEH	14-Sep-16	DWG SIZE		REV	
FINISH	CAD FILE		B		B	