

NOTES:

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

BODY

= ZINC ALLOY DIECAST, MATTE TIN PLATED

CONTACT

= BERYLLIUM COPPER, GOLD PLATED

CAP

= BRASS, NICKEL PLATING

INSULATOR

= PTFE, COLOR: NATURAL

O-RING

= HYDROGENATED NITRILE , COLOR: GREEN (CAP)

O-RING

= SILICNE RUBBER , COLOR: RED (INTERFACE)

HOUSING

= PPE+PS, UNFILLED, COLOR & KEYING  
PER AMPHENOL SPEC. FAKRA-KEY-JACK  
(REFER TO TABLE BELOW FOR KEY CODE)

FERRULE

= COPPER, NICKEL PLATED

HST

= POLYOLEFIN, ADHESIVE-LINED

2. ELECTRICAL:

A. IMPEDANCE:

50 OHM (NOMINAL)

B. FREQUENCY RANGE:

DC - 3.0 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)

D. D.W.V.:

800 VRMS, MIN.

3. MECHANICAL:

A. DURABILITY:

100 CYCLES MIN.

B. TEMPERATURE RANGE:

-40° C TO 85° C

C. ENVIRONMENTAL SEAL:

IP67 (WHEN MATED)

4. PACKAGING:

A. QUANTITY:

TRAY PACK

B. MARKING:

TRAY TO BE MARKED

"AMPHENOL RF, 3FAIENXRJ-COIER (PER TABLE), AND DATE CODE"

5. CRIMPED FERRULE HEX CRIMP SIZE .128"

CONTACT PIN TO SOLDER

6. ALL DIMENSIONS MECHANICAL & ELECTRICAL DESIGN COMPLY

WITH DIN 72594-1 AND USCAR-18 SPEC.

7. CABLE ASSEMBLY INSTRUCTIONS PER 349-50883

CODING	DRAWING NO.	COLOR	RAL NO.
A	3FAIENARJ-COIER	JET BLACK	9005
B	3FAIENBRJ-COIER	CREAM WHITE	9001
C	3FAIENCRJ-COIER	SIGNAL BLUE	5005
D	3FAIENDRJ-COIER	CLARET VIOLET	4004
E	3FAIENERJ-COIER	LEAF GREEN	6002
F	3FAIENFRJ-COIER	NUT BROWN	8011
G	3FAIENGRJ-COIER	BLUE GREY	7031
H	3FAIENHRJ-COIER	HEATHER VIOLET	4003
I	3FAIENIRJ-COIER	BEIGE	1001
K	3FAIENKRJ-COIER	CURRY	1027
L	3FAIENLRJ-COIER	CARMINE RED	3002
M	3FAIENMRJ-COIER	PASTEL ORANGE	2003
N	3FAIENNRJ-COIER	PASTEL GREEN	6019
Z	3FAIENZRJ-COIER	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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THIRD ANGLE PROJ.

CONFIGURATION CONTROL:

NO CHANGES PERMITTED TO DRAWING WITHOUT

PPAP QUALIFIED CUSTOMER APPROVAL

BODY ASSEMBLY

CAP & O-RING

17.32 REF. (WHEN ASSEMBLED)

4.93 REF.

9.3 REF.

Ø2.7 REF.

9.52 REF.

Ø3.86 REF.

19 REF.

HEAT SHRINK TUBING

HOUSING

O-RING

11 REF.

FERRULE

15.7

9.8

2.5

RECOMMENDED CABLE STRIPPING DIM'S

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

SCALE 1.500

MATERIAL		DRAWN	DATE	TITLE		Amphenol RF	
-		E WANKOFF	10/4/16	FAKRA R/A JACK, GEN 3.5,		Danbury CT USA, Tainan, Taiwan, Shenzhen, China	
		ENGINEER	DATE	CABLE GROUP COI,		www.amphenolrf.com	
		E WANKOFF	10/4/16	IP67 SEALED		DRAWING NO. 3FAIENXRJ-COIER	
REFERENCE		APPROVED	DATE	SCALE: 3.0:1.0		SHEET 2 OF 2	
EAR # 6049 AND		S.HSIEH	21-Mar-17	DWG SIZE		REV	
CONFIGURATION LEVEL:		CAD FILE		B		A	
FINISH						ITEM NO. 3FAIENXRJ-COIER	
						PART NO. 3FAIENXRJ-COIER	

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