

NOTES:

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

- BODY = ZINC DIECAST (PER ASTM-B86,UNS Z33520),
MATTE TIN PL. 100 MIN. THICK OVER NICKEL PL. 100 MIN.
THICK OVER COPPER PL.(250 MIN./300 MAX.) THICK
- CONTACT = BERYLLIUM COPPER (PER QQ-C-530),
GOLD PL. 30 MIN. THICK OVER NICKEL PL. 100 MIN. THICK
OVER NICKEL STRIKE
- INSULATOR = PTFE,PER ASTM D1710, COLOR: NATURAL.
- HOUSING = PPE+PS, UNFILLED, COLOR & KEYING
PER AMPHENOL SPEC. FAKRA-KEY-JACK
(REFER TO TABLE BELOW FOR KEY CODE)
- FERRULE = COPPER, PER ASTM B-75 ALLOY C12200,
NICKEL PL. 100 MIN. THICK OVER COPPER STRIKE

2. ELECTRICAL:

- A. IMPEDANCE: 50 OHM (NOMINAL)
- B. FREQUENCY RANGE: DC - 3.0 GHz
- C. VSWR(RETURN LOSS): 1.400 (-15.6 dB), MAX.(DC-2.0 GHz)
(MATED PAIR) 1.500 (-13.9 dB), MAX.(2.0-3.0 GHz)
- D. DIELECTRIC WITHSTANDING VOLTAGE: 800 VRMS, MIN.

3. MECHANICAL:

- A. DURABILITY: 100 CYCLES MIN.
- B. TEMPERATURE RANGE: -40° C TO 85° C

4. PACKAGING:

- A. QUANTITY: TRAY PACK
- B. MARKING: TRAY TO BE MARKED
"AMPHENOL,3FAI-NXRJ-C01-3 (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.

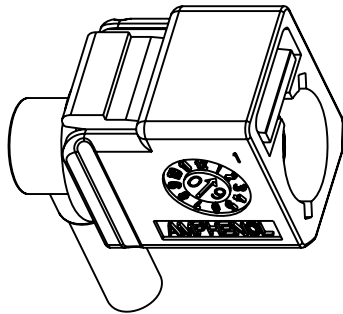
7. CABLE ASSEMBLY INSTRUCTIONS PER 349-50785

CONFIGURATION CONTROL:
NO CHANGES PERMITTED TO DRAWING WITHOUT
PPAP QUALIFIED CUSTOMER APPROVAL

CODING	DRAWING NO.	COLOR	RAL NO.
A	3FAI-NARJ-C01-3	JET BLACK	9005
B	3FAI-NBRJ-C01-3	CREAM WHITE	9001
C	3FAI-NCRJ-C01-3	SIGNAL BLUE	5005
D	3FAI-NDRJ-C01-3	CLARET VIOLET	4004
E	3FAI-NERJ-C01-3	LEAF GREEN	6002
F	3FAI-NFRJ-C01-3	NUT BROWN	8011
G	3FAI-NGRJ-C01-3	BLUE GREY	7031
H	3FAI-NHRJ-C01-3	HEATHER VIOLET	4003
I	3FAI-NIRJ-C01-3	BEIGE	1001
K	3FAI-NKRJ-C01-3	CURRY	1027
L	3FAI-NLRJ-C01-3	CARMINE RED	3002
M	3FAI-NMRJ-C01-3	PASTEL ORANGE	2003
N	3FAI-NNRJ-C01-3	PASTEL GREEN	6019
Z	3FAI-NZRJ-C01-3	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°

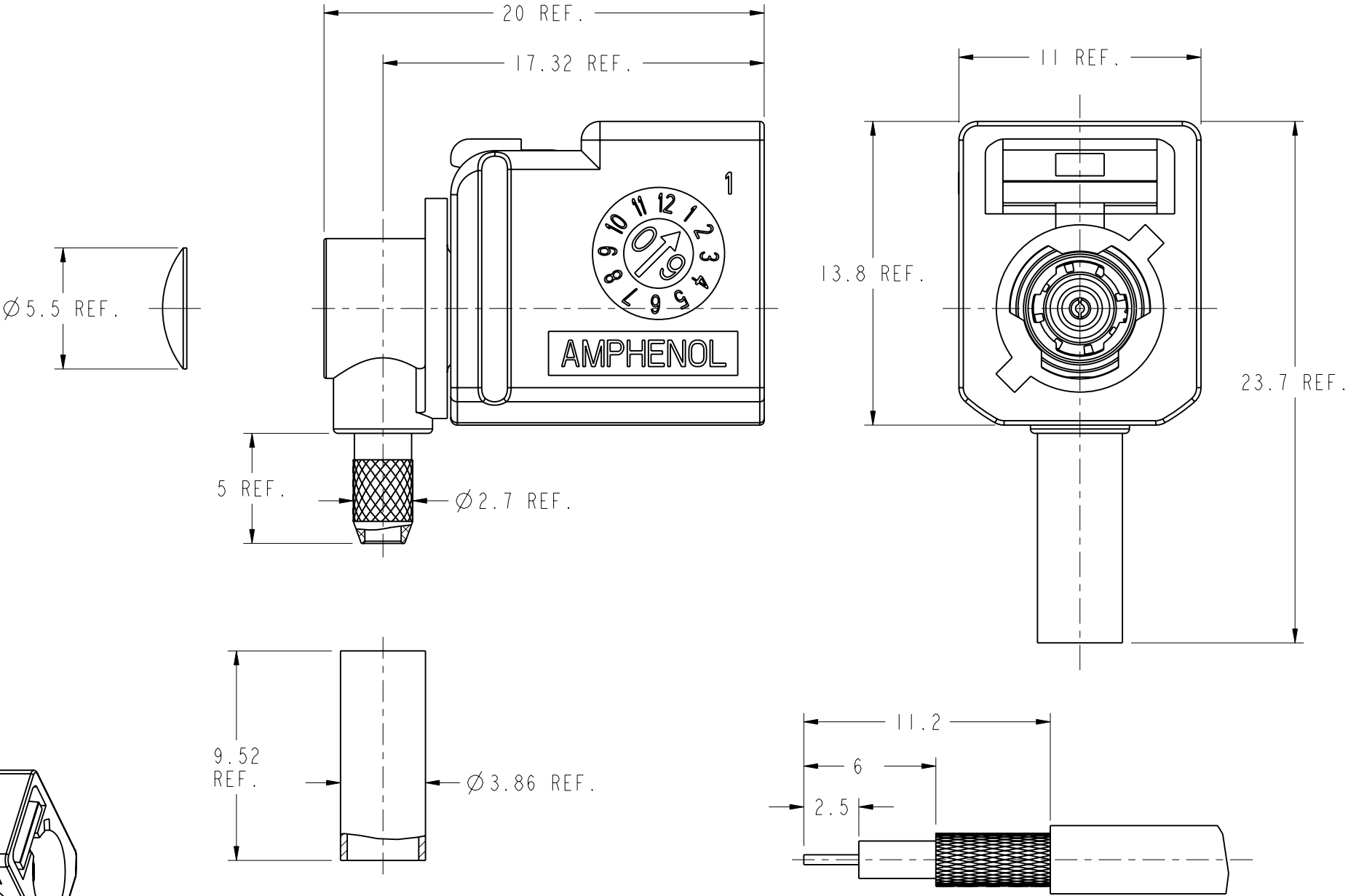
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SCALE 2.000

MATERIAL	DRAWN K.LIAO	DATE 24-Mar-11	TITLE FAKRA R/A JACK, GEN 3.0, CABLE GROUP C01		Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com
REFERENCE EAR # 3652 AND	ENGINEER J.YANG	DATE 16-Jul-09			
CONFIGURATION LEVEL: RELEASE	APPROVED S.HSIEH	DATE 24-Mar-11	SCALE: 4.0:1.0	SHEET 2 OF 2	DRAWING NO. 3FAI-NXRJ-C01-3
FINISH	CAD FILE Root Folder/FAKRA/3FAI-NXRJ-C01-3		DWG SIZE B	REV B	ITEM NO. 3FAI-NXRJ-C01-3
					PART NO. 3FAI-NXRJ-C01-3

THIRD ANGLE PROJ.		REVISIONS			
REV	DESCRIPTION	DATE	ECO	APPR	
A	RELEASE TO MFG.	16-Mar-10	48018	SH	
B	REVISED PER PCN DATED 03-Nov-2010 \RD-DM11032201K\	24-Mar-11	48337	BCG	



**RECOMMENDED
CABLE STRIPPING DIM'S**

CUSTOMER OUTLINE DRAWING
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY