

NOTES:

1. MATERIALS AND FINISH (IN MICRO-INCHES)

- BODY = ZINC DIECAST (PER ASTM B86)  
MATTE TIN PL. 100 MIN.
- INSULATOR = PTFE PER ASTM D1710, COLOR: NATURAL
- HOUSING = PPE+PS, COLOR: PER TABLE
- FERRULE = COPPER (PER ASTM B75)  
NICKEL PL. 100 MIN. THICK OVER COPPER STRIKE
- O-RING = HYDROGENATED NITRILE, COLOR: GREEN
- SHRINK TUBING = POLYOLEFIN, ADHESIVE LINED, COLOR: BLACK

CONTACT SUPPLIED SEPARATELY AS P/N:  
 1. FKCP03301A (5,000 PCS. REEL), CRIMP AREA: NICKEL PLATED  
 2. 923-10733 (5,000 PCS. REEL), CRIMP AREA: TIN PLATED  
 CABLE DEFINITIONS PER AMPHENOL REPORT DE825

2. ELECTRICAL:

- A. IMPEDANCE: 50 OHM, NOMINAL
- B. FREQUENCY RANGE: DC-3.0 GHz
- C. VSWR(RETURN LOSS): 1.400 (-15.6dB) MAX. (DC-2.0 GHz)  
(MATED PAIR) 1.500 (-13.9dB) 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
- C. USCAR-17 COMPLIANT
- D. INTERFACE PER DIN 72594-1
- E. ENVIRONMENTAL SEAL (WHEN MATED): GMW3191

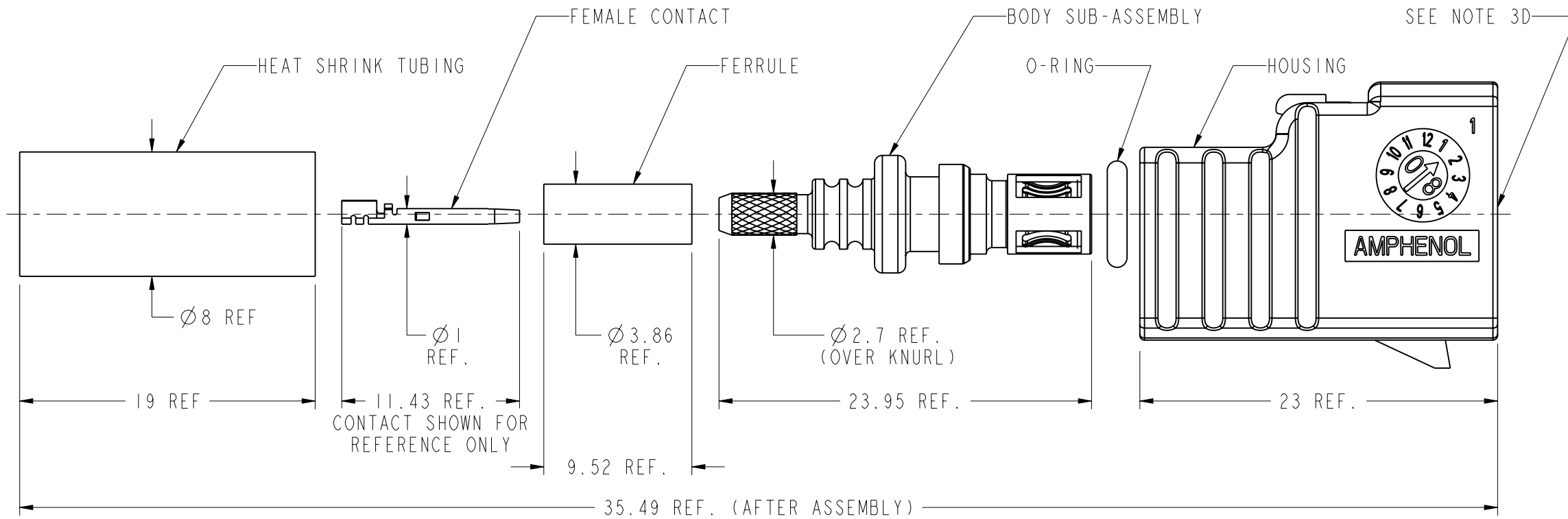
4. PACKAGING:

- A. QUANTITY: TRAY PACK
- B. MARKING: TRAY TO BE MARKED  
"AMPHENOL, 3FAI-NXSJ-C01E6, AND DATE CODE"

5. CABLE ASSEMBLY INSTRUCTIONS PER 349-50832

| CODING | DRAWING NO.     | COLOR          | RAL NO. |
|--------|-----------------|----------------|---------|
| A      | 3FAI-NASJ-C01E6 | JET BLACK      | 9005    |
| B      | 3FAI-NBSJ-C01E6 | CREAM          | 9001    |
| C      | 3FAI-NCSJ-C01E6 | SIGNAL BLUE    | 5005    |
| D      | 3FAI-NDSJ-C01E6 | CLARET VIOLET  | 4004    |
| E      | 3FAI-NESJ-C01E6 | LEAF GREEN     | 6002    |
| F      | 3FAI-NFSJ-C01E6 | NUT BROWN      | 8011    |
| G      | 3FAI-NGSJ-C01E6 | BLUE GREY      | 7031    |
| H      | 3FAI-NHSJ-C01E6 | HEATHER VIOLET | 4003    |
| I      | 3FAI-NISJ-C01E6 | BEIGE          | 1001    |
| K      | 3FAI-NKSJ-C01E6 | CURRY          | 1027    |
| L      | 3FAI-NLSJ-C01E6 | CARMINE RED    | 3002    |
| M      | 3FAI-NMSJ-C01E6 | PASTEL ORANGE  | 2003    |
| N      | 3FAI-NNSJ-C01E6 | PASTEL GREEN   | 6019    |
| Z      | 3FAI-NZSJ-C01E6 | WATER BLUE     | 5021    |

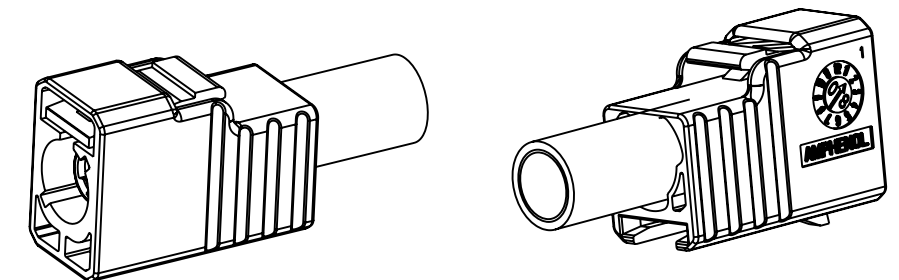
**CONFIGURATION CONTROL:**  
 NO CHANGES PERMITTED TO DRAWING WITHOUT  
 PPAP QUALIFIED CUSTOMER APPROVAL



THIRD ANGLE PROJ.

REVISIONS

| REV | DESCRIPTION  | DATE      | ECO   | APPR   |
|-----|--|-----------|-------|--------|
| A   | RELEASE TO MFG.  | 07-Oct-11 | 48805 | BCG    |
| B   | MODIFIED STAKING IN 4 PLACES \RD-DM12020901K\  | 09-Feb-12 | 48957 | JY/BCG |
| C   | O-RING WAS: SILICONE RUBBER, AND COLOR WAS: RED<br>NOTE 3 & TITLE: GMW3191 WAS IP67 \RD-DM12061502K\ | 14-Jun-12 | 49113 | JY/BCG |
| D   | MODIFIED INSULATOR OD DIMENSION<br>\RD-DM12080601K\  | 06-Aug-12 | 49201 | BCG    |
| E   | ADDED TIN PLATED CONTACT IN NOTE 1   | 15-Mar-18 | 06181 | RD     |



SCALE 1.500

**CUSTOMER OUTLINE DRAWING**

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

|  |                               |                            |                   |   |  |                             |
|--|-------------------------------|----------------------------|-------------------|---|--|-----------------------------|
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:<br><0.5mm ±0.05mm    0.5 - 6mm ±0.1mm    6 - 30mm ±0.2mm    30 - 120mm ±0.3mm    ANGLES ±1°<br>NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the finishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data. | MATERIAL                      | DRAWN<br>K. LIAO           | DATE<br>06-Aug-12 | TITLE<br>GEN 3.0 FAKRA JACK, W/ CP,<br>C01 CABLE GROUP, GMW3191<br>TAPE AND REEL CONTACT<br>(SUPPLIED SEPARATELY) | Amphenol RF<br>Danbury CT USA, Tainan, Taiwan, Shenzhen, China<br>www.amphenolrf.com |                             |
|  | REFERENCE<br>EAR: 7653    AND | ENGINEER<br>B.C. GLEISSNER | DATE<br>07-Oct-11 | SCALE: 3.0:1.0    SHEET 2 OF 2  |  | DRAWING NO. 3FAI-NXSJ-C01E6 |
|  | CONFIGURATION LEVEL: RELEASE  | APPROVED<br>S. HSIEH       | DATE<br>22-Mar-18 | DWG SIZE<br>B   | REV<br>E   | ITEM NO. 3FAI-NXSJ-C01E6    |
|  | FINISH                        | I:\FAKRA\3FAI-NXSJ-C01E6   |                   |   |  | PART NO. 3FAI-NXSJ-C01E6    |