

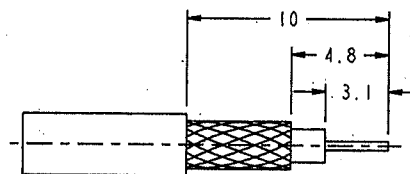
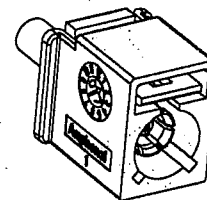
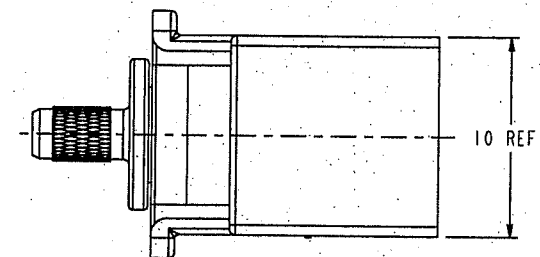
## NOTES:

1. MATERIALS AND FINISH (IN MICRO-INCHES)
  - BODY = ZINC DIECAST (ZINC ALLOY ZAMARK #3 OR EQUIVALENT PER ASTM B86)
  - NICKEL PL. 100 MIN. THICK OVER COPPER PL. 300 MIN. THICK
  - INSULATOR = PTFE PER ASTM D1710, COLOR: NATURAL.
  - LOCK COVER = NYLON 66 WITH 33% GLASS FILLED, PER NYTEX COMPOSITES CO., LTD.
  - GRADE MG-0033N-V0 OR EQUIVALENT
  - (REFER TO TABLE BELOW FOR KEY CODE)
  - FERRULE = COPPER (PER ASTM B-75 ALLOY C12200 OR EQUIVALENT)
  - NICKEL PL. 100 MIN. THICK OVER COPPER STRIKE
  - CONTACT = PHOSPHOR BRONZE (PER QQ-B-750, COMP A, 1H OR EQUIVALENT)
  - GOLD PL. 30 MIN. THICK OVER NICKEL PL. 100 MIN. THICK OVER COPPER STRIKE
2. ELECTRICAL:
  - A. IMPEDANCE: 50 OHM (NOMINAL)
  - B. FREQUENCY RANGE: DC - 6 GHz, (OPTIMIZED FOR DC-4GHz)
  - C. VSWR (RETURN LOSS): 1.4 (-15.6 dB), MAX. (DC-2GHz)
  - (MATED PAIR) 1.5 (-13.9 dB), MAX. (2-3GHz)
  - D. DIELECTRIC WITHSTANDING VOLTAGE: 800 VRMS, MIN.
3. MECHANICAL:
  - A. DURABILITY: 100 CYCLES MIN.
  - B. TEMPERATURE RANGE: -40° C TO 100° C
4. PACKAGING:
  - A. QUANTITY: TRAY PACK
  - B. MARKING: TRAY TO BE MARKED
  - "AMPHENOL 2FAI-NXSJ-C01-0, AND DATE CODE"
5.
  - A. SEE 349-50713 FOR DETAILED CABLE ASSEMBLY INSTRUCTIONS
  - B. CRIMP FERRULE HEX. CRIMP SIZE .128"
  - C. CRIMPED CONTACT PIN AFM8 ADJUST TO 4 POSITIONER K727

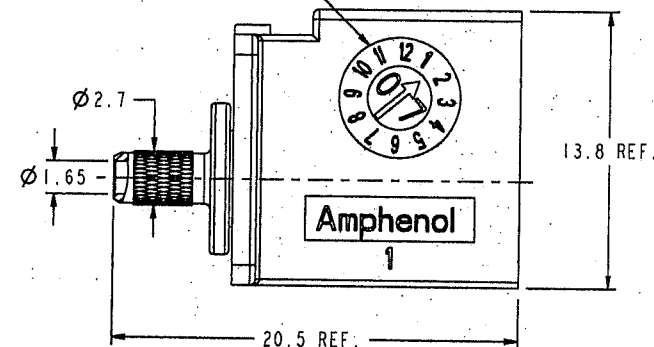
THIRD ANGLE PROJ.

## REVISIONS

| REV | DESCRIPTION                                         | DATE      | ECO   | APPR   |
|-----|-----------------------------------------------------|-----------|-------|--------|
| A   | RELEASE TO MFG.                                     | 02-Nov-04 | ----- | SHARON |
| B   | SEE SHEET 1                                         | 01-Mar-06 | ----- | JERRY  |
| C   | SEE SHEET 1                                         | 31-Mar-06 | ----- | CISSY  |
| D   | SEE SHEET 1                                         | 09-Nov-07 | ----- | EMILY  |
| E   | UPDATED FORMAT AND ADDED COD DRAWING \RD-DM0811101E | 19-Nov-08 | ----- | EMILY  |

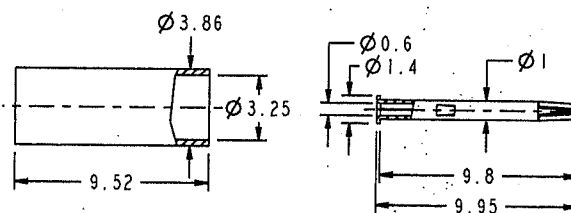
RECOMMENDED  
CABLE STRIPPING DIM'S

DATE CODE



TABLE

| CODING | DRAWING NO.           | PART NO.         | COLOR          | RAL NO. |
|--------|-----------------------|------------------|----------------|---------|
| A      | FK6121AW-012-NT30G-50 | 2FAI-NASJ-C01-0  | JET BLACK      | 9005    |
| B      | FK6121BW-012-NT30G-50 | 2FAI-NBSJ-C01-0  | CREAM          | 9001    |
| C      | FK6121CW-012-NT30G-50 | 2FAI-NC SJ-C01-0 | SIGNAL BLUE    | 5005    |
| D      | FK6121DW-012-NT30G-50 | 2FAI-NDSJ-C01-0  | CLARET VIOLET  | 4004    |
| E      | FK6121EW-012-NT30G-50 | 2FAI-NESJ-C01-0  | LEAF GREEN     | 6002    |
| F      | FK6121FW-012-NT30G-50 | 2FAI-NFSJ-C01-0  | NUT BROWN      | 8011    |
| G      | FK6121GW-012-NT30G-50 | 2FAI-NGSJ-C01-0  | BLUE GREY      | 7031    |
| H      | FK6121HW-012-NT30G-50 | 2FAI-NHSJ-C01-0  | HEATHER VIOLET | 4003    |
| I      | FK6121IW-012-NT30G-50 | 2FAI-NISJ-C01-0  | BEIGE          | 1001    |
| K      | FK6121KW-012-NT30G-50 | 2FAI-NKSJ-C01-0  | CURRY          | 1027    |
| L      | FK6121LW-012-NT30G-50 | 2FAI-NLSJ-C01-0  | CARMINE RED    | 3002    |
| M      | FK6121MW-012-NT30G-50 | 2FAI-NMSJ-C01-0  | PASTEL ORANGE  | 2003    |
| N      | FK6121NW-012-NT30G-50 | 2FAI-NNSJ-C01-0  | PASTEL GREEN   | 6019    |
| Z      | FK6121ZW-012-NT30G-50 | 2FAI-NZSJ-C01-0  | WATER BLUE     | 5021    |



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

## CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:  
0.5 - 6mm ±0.1mm  
6 - 30mm ±0.2mm  
30 - 120mm ±0.3mm  
ANGLES ±1°

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## MATERIAL

DRAWN

DATE

TITLE

ENGINEER

DATE

FAKRA CRIMP JACK  
(FOR RG-174/U, 188A/U, 316/U)

## REFERENCE

APPROVED

DATE

SCALE: 4.0:1.0 SHEET 2 OF 2

## FINISH

CAD FILE

DATE

DWG SIZE

CODE ID

REV

1:\FAKRA\FK6121XX-012-NT30G-50

B

74868

E

PART NO. 2FAI-NXSJ-C01-0

Amphenol RF

Danbury CT USA, Tainan, Taiwan, Shenzhen, China  
www.amphenolrf.com

DRAWING NO. FK6121XX-012-NT30G-50

ITEM NO. FK6121AFX36NC5F

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# Mouser Electronics

Authorized Distributor

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