

NOTES:

1. MATERIALS AND FINISHES:

- BODY

CONTACT

FERRULE

INSULATOR

HOUSING

CLIP
- ZINC ALLOY, NICKEL PLATED (.000100" MIN.)

- PHOSPHOR BRONZE, SELECTIVE GOLD PLATED (.000030" MIN.)

- SOFT COPPER ALLOY, NICKEL PLATED (.000100" MIN.)

- PTFE, COLOR: WHITE

- PPO, COLOR: SEE TABLE BELOW

- PBT, COLOR: WHITE

C01 CONNECTOR SUB-ASSEMBLY P/N: 903-771J-51S

CONTACT MAY BE PURCHASED SEPARATELY AS P/N: FKCP03401A (5,000 PC. REELS)  
FERRULE MAY BE PURCHASED SEPARATELY AS P/N: 923-10080 (100 PC. TRAYS)  
CABLE DEFINITIONS PER AMPHENOL REPORT DE825

2. ELECTRICAL:

- A. IMPEDANCE

B. FREQUENCY RANGE

C. VSWR

D. D.W.V.
- = 50 OHM, NOMINAL

= DC - 4 GHz

= 1.400 (DC-2.0 GHz), 1.500 (2.0-4.0 GHz)

= 800 VRMS, MIN.

3. MECHANICAL:

- A. DURABILITY

B. TEMPERATURE RANGE

C. MECHANICAL PULL
- = 100 CYCLES MIN.

= -40° C TO +85° C

= 110 N MIN.

4. CONNECTOR ASSEMBLY:

- A. SEE 349-50767 FOR CONNECTOR ASSEMBLY INSTRUCTIONS

B. SEE 349-50748 OR 349-50750 FOR TOOLING

C. SEE 349-50747 FOR CONTACT CRIMPING CRITERIA

5. PACKAGING:

- A. QUANTITY: TRAY PACK

B. PACKAGING TO BE MARKED: AMPHENOL RF
- 2FAH-NXSP-C01-9

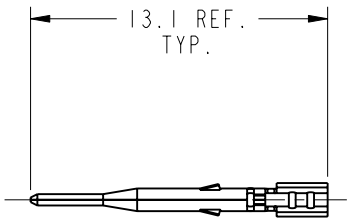
DATE CODE

| CODING | DRAWING NO.     | COLOR          |
|--------|-----------------|----------------|
| A      | 2FAH-NASP-C01-9 | JET BLACK      |
| B      | 2FAH-NBSP-C01-9 | CREAM          |
| C      | 2FAH-NCSP-C01-9 | SIGNAL BLUE    |
| D      | 2FAH-NDSP-C01-9 | CLARET VIOLET  |
| E      | 2FAH-NESP-C01-9 | LEAF GREEN     |
| F      | 2FAH-NFSP-C01-9 | NUT BROWN      |
| G      | 2FAH-NGSP-C01-9 | BLUE GREY      |
| H      | 2FAH-NHSP-C01-9 | HEATHER VIOLET |
| I      | 2FAH-NISP-C01-9 | BEIGE          |
| K      | 2FAH-NKSP-C01-9 | CURRY          |
| L      | 2FAH-NLSP-C01-9 | CARMINE RED    |
| M      | 2FAH-NMSP-C01-9 | PASTEL ORANGE  |
| N      | 2FAH-NNSP-C01-9 | PASTEL GREEN   |
| Z      | 2FAH-NZSP-C01-9 | WATER BLUE     |

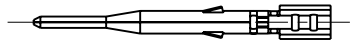
THIRD ANGLE PROJ.

REVISIONS

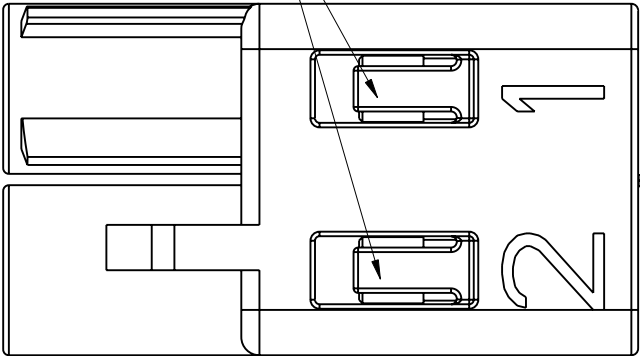
| REV | DESCRIPTION     | DATE      | ECO   | APPR |
|-----|-----------------|-----------|-------|------|
| A   | RELEASE TO MFG. | 12-Mar-08 | ----- | JY   |



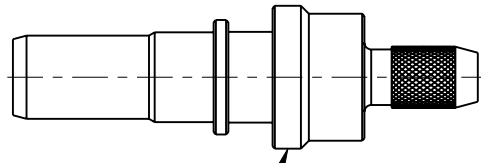
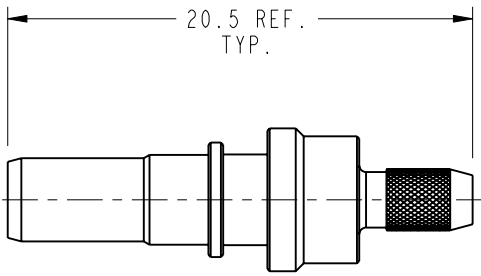
CONTACTS ARE SHOWN  
LOOSE AND ARE SUPPLIED  
ON REELS



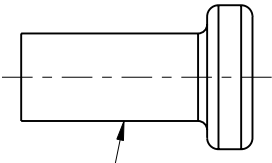
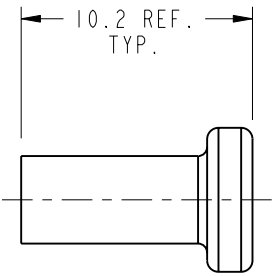
TPA FEATURES



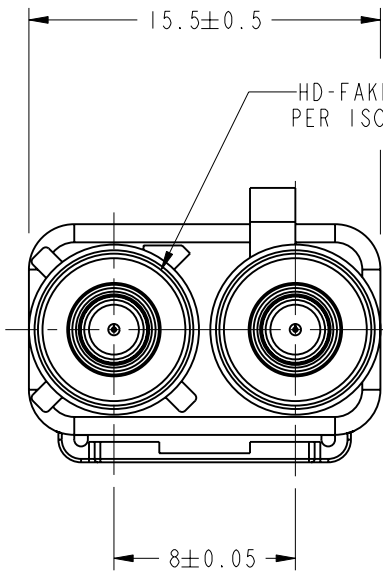
HOUSING



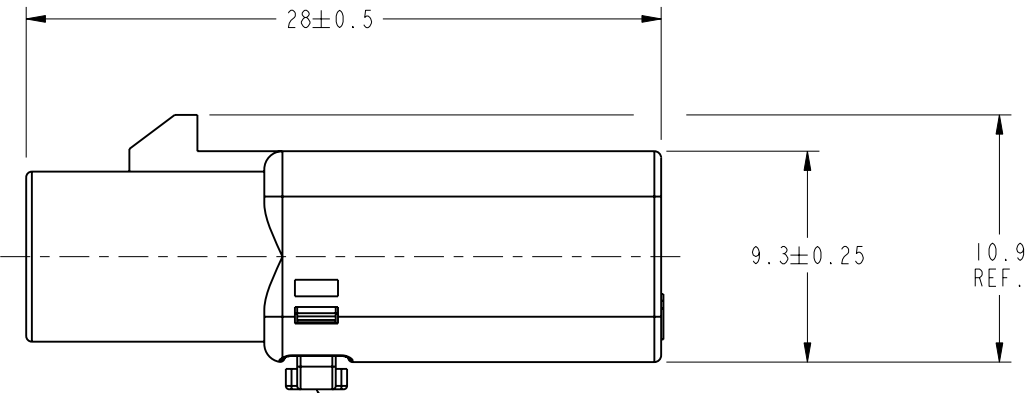
BODY SUB-ASSEMBLY



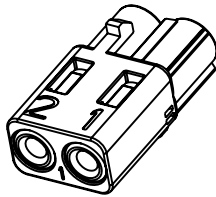
FERRULE



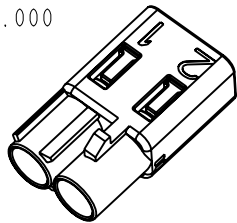
HD-FAKRA INTERFACE  
PER ISO/DIN 20860-1



RETENTION CLIP SHOWN IN  
THE "SHIPPING" POSITION



SCALE 1.000



SCALE 1.000

**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:<br>0.5 - 6mm      6 - 30mm      30 - 120mm      ANGLES<br>±0.1mm      ±0.2mm      ± 0.3mm      ±1°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MATERIAL<br>-                                        | DRAWN<br>J.YANG           | DATE<br>30-Jan-07 | TITLE<br>HD-FAKRA PLUG,<br>DUAL, 8mm SPACING<br>2-C01 PORTS |                  |                 | Amphenol RF<br>Danbury CT USA, Tainan, Taiwan, Shenzhen, China<br>www.amphenolrf.com |                             |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                      | ENGINEER<br>J.YANG        | DATE<br>30-Jan-07 |                                                             |                  |                 |                                                                                      |                             |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | REFERENCE<br>EAR #1942      AND      615X-2143-100-X | APPROVED<br>B.C.GLEISSNER | DATE<br>10-Mar-08 | SCALE: 3.0:1.0                                              |                  | SHEET    2 OF 2 |                                                                                      | DRAWING NO. 2FAH-NXSP-C01-9 |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CONFIGURATION LEVEL: Prototype                       | CAD FILE                  |                   | DWG SIZE<br>B                                               | CODE ID<br>74868 | REV<br>A        | ITEM NO.      2FAH-NXSP-C01-9                                                        |                             |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FINISH                                               | I:\FAKRA\2FAH-NXSP-C01-9  |                   |                                                             |                  |                 | PART NO.      2FAH-NXSP-C01-9                                                        |                             |  |  |
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