

NOTES:

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

- BODY = ZINC DIECAST (ZAMAK #3 PER ASTM-B86), MATTE TIN PL. 100 MIN THICK OVER NICKEL PL. 100 MIN THICK OVER COPPER PL.(250 MIN/300 MAX) THICK
- CONTACT = COPPER ALLOY, GOLD PL. 6 MIN MATING AREA. THICK OVER NICKEL PL. 50 MIN. 20~80 MATTE TIN ON SOLDER TAIL.
- INSULATOR = LCP, COLOR: BALCK.
- HOUSING = HIGH TEMPERATURE THERMOPLASTIC, COLOR & KEYING PER TABLE

2. ELECTRICAL:

- A. IMPEDANCE: 100 OHM NOMINAL
- B. FREQUENCY RANGE: DC- 2 GHz
- C. RETURN LOSS: -20 dB MIN .(DC-1 GHz)  
-17 dB MIN .(DC-2 GHz)
- D. INSERTION LOSS: -0.3 dB MAX .(DC-2 GHz)
- E. SKEW(BETWEEN SIGNAL CONTACTS) 5 PSEC. MAX.
- F. CROSSTALK: -30 dB MAX.
- G. CENTER CONTACT RESISTANCE : 10 mΩ MAX.
- H. OUTER CONTACT RESISTANCE : 7.5 mΩ MAX.
- I. D.W.V.: 500 VRMS, MIN.

3. MECHANICAL:

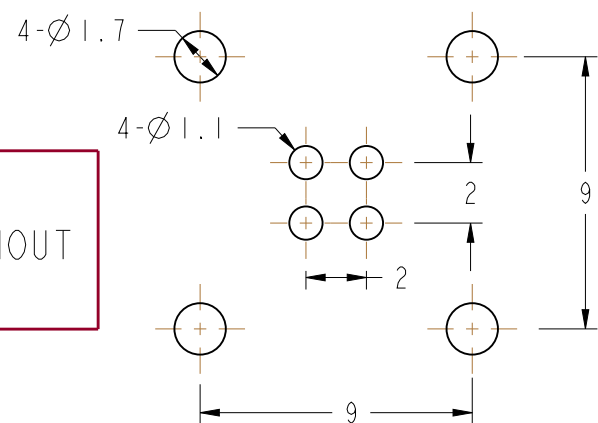
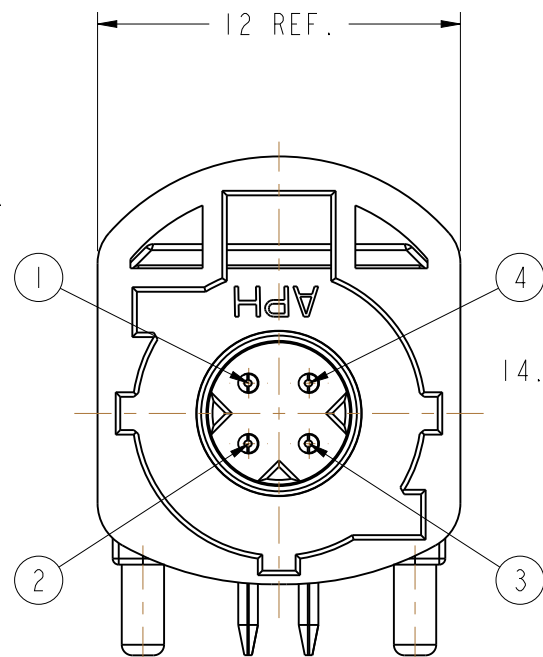
- A. DURABILITY: 25 CYCLES MIN.
- B. TEMPERATURE RANGE: -40° C TO 105° C
- C. HOUSING RETENTION: 110N MIN. AXIAL

4. ORDER P/N SYSTEM AND PACKAGING:

HSD-NXRP-PCB-3X

- A=PACKAGING IN TAPE & REEL
- B=PACKAGING IN TRAY
- C=SINGLE PACK

A. PACKAGING MARKING: AMPHENOL RF  
HSD-NXRP-PCB-3X  
DATE CODE

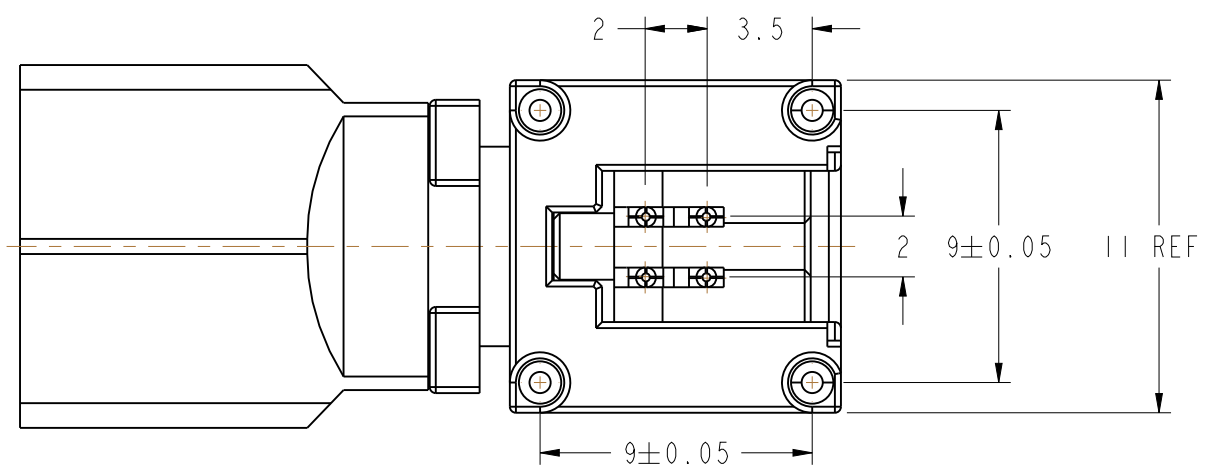
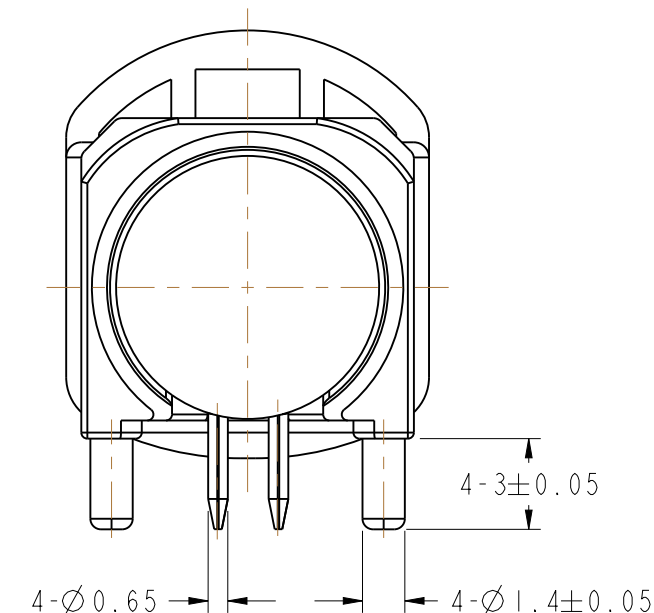
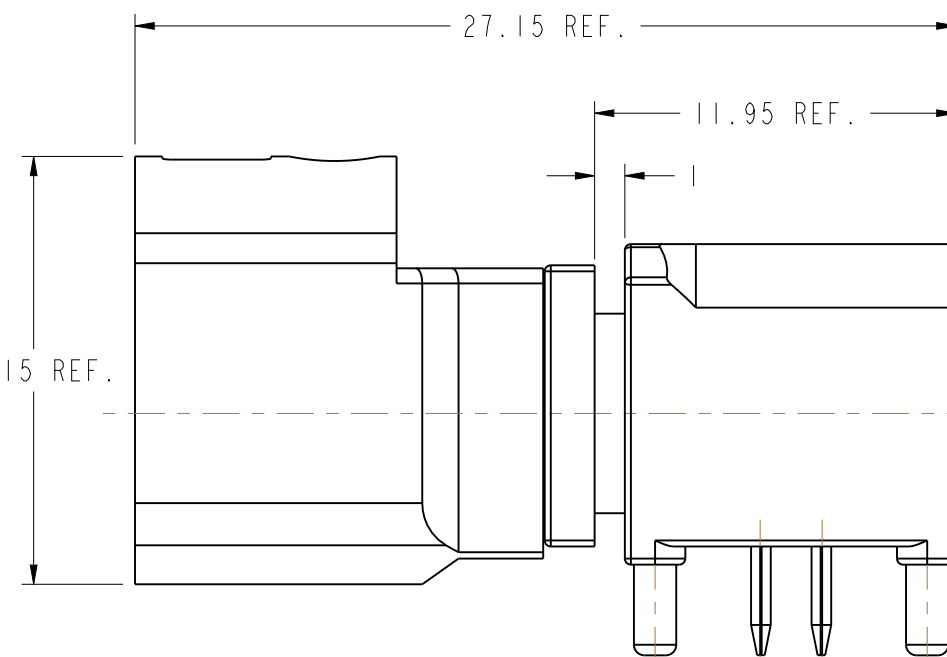
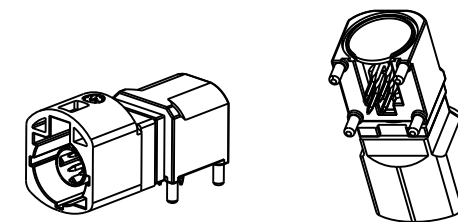


**RECOMMENDED PCB LAYOUT**

THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG	3/1/13	49363	JY



**CUSTOMER OUTLINE DRAWING**

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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

CODING	DRAWING NUMBER	COLOR	RAL NO.
A	HSD-NARP-PCB-3X	JET BLACK	9005
B	HSD-NBRP-PCB-3X	CREAM	9001
C	HSD-NCRP-PCB-3X	SIGNAL BLUE	5005
D	HSD-NDRP-PCB-3X	CLARET VIOLET	4004
E	HSD-NERP-PCB-3X	LEAF GREEN	6002
F	HSD-NFRP-PCB-3X	NUT BROWN	8011
Z	HSD-NZRP-PCB-3X	WATER BLUE	5021

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°	MATERIAL	DRAWN J. YANG	DATE 24-Aug-11	TITLE HSD R/A PLUG, PCB		Amphenol RF Danbury CT USA, Tainan, Taiwan, Shenzhen, China www.amphenolrf.com	
	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 to anyone 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.	REFERENCE EAR 4401 AND ASCA:HSD-P04-02-X-3-XX	ENGINEER J. YANG				
	CONFIGURATION LEVEL: FINISH	APPROVED K. CAPOZZI	DATE 3/1/13	SCALE: 1.0:1.0	SHEET 1 OF 2	DRAWING NO. HSD-NXRP-PCB-3X	ITEM NO. HSD-NXRP-PCB-3X
				DWG SIZE B	CODE ID 74868	REV A	PART NO. HSD-NXRP-PCB-3X