

NOTES:

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

- BODY = BRASS (C3604) FOR INTERFACE, ZINC DIECAST (ZAMAK #3 PER ASTM-B86) FOR SOLDER.
- 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: NATURAL.
- HOUSING = PA 6T, 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-NXSP-PCB-2X

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

A. PACKAGING MARKING: AMPHENOL RF  
HSD-NXSP-PCB-2X  
DATE CODE

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

CODING	DRAWING NUMBER	COLOR	RAL NO.
A	HSD-NASP-PCB-2X	JET BLACK	9005
B	HSD-NBSP-PCB-2X	CREAM	9001
C	HSD-NCSP-PCB-2X	SIGNAL BLUE	5005
D	HSD-NDSP-PCB-2X	CLARET VIOLET	4004
E	HSD-NESP-PCB-2X	LEAF GREEN	6002
F	HSD-NFSP-PCB-2X	NUT BROWN	8011
Z	HSD-NZSP-PCB-2X	WATER BLUE	5021

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:  
 <0.5mm ±0.05mm    0.5 - 6mm ±0.1mm    6 - 30mm ±0.2mm    30 - 120mm ±0.3mm    ANGLES ±1°

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MATERIAL	DRAWN J. YANG	DATE 22-Jun-11
REFERENCE EAR 4794 AND ASCA:HSD-P04-X-3-XX	ENGINEER J. YANG	DATE 22-Jun-11
CONFIGURATION LEVEL:	APPROVED K. CAPOZZI	DATE 9/28/12
FINISH	CAD FILE	

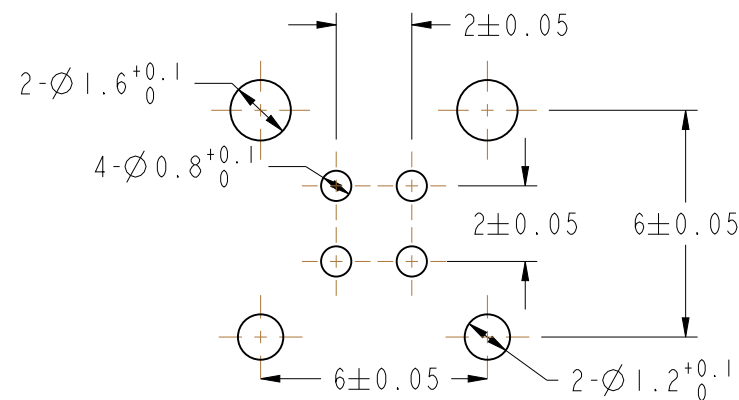
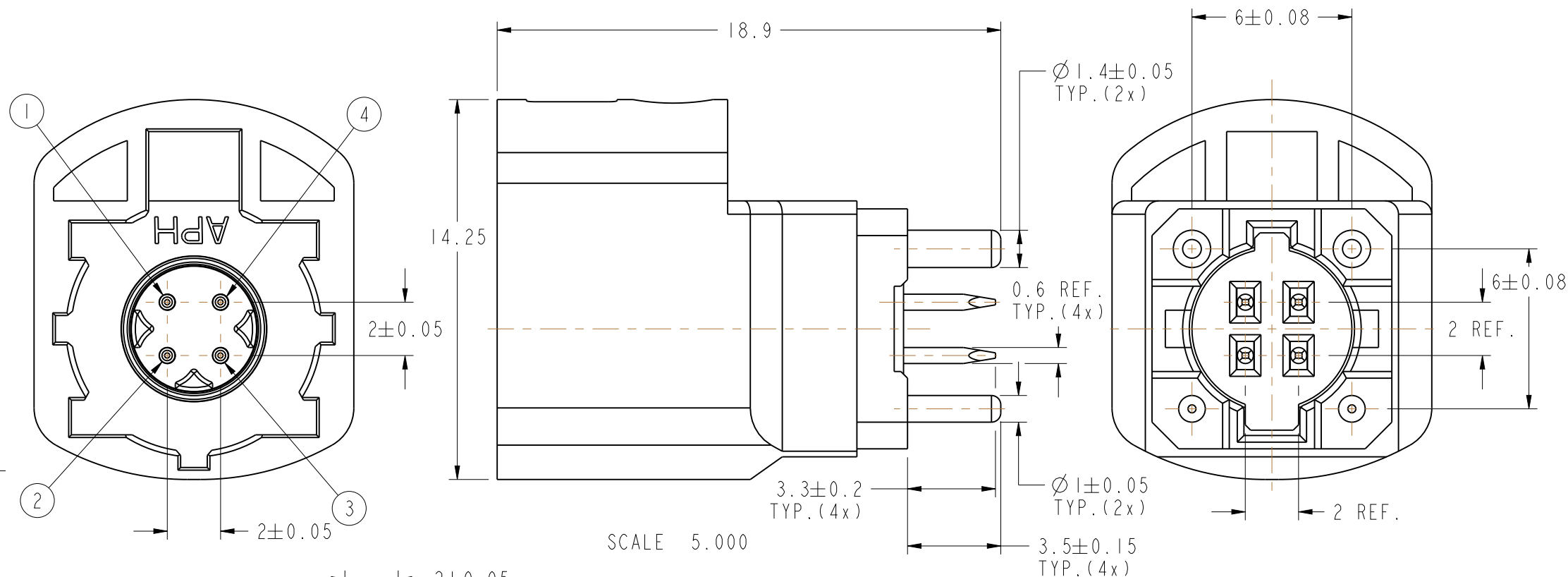
TITLE HSD VERTICAL PLUG PCB	SCALE: 3.0:1.0	SHEET 1 OF 2
DWG SIZE B	REV B	

Amphenol RF www.amphenolrf.com	
DRAWING NO. HSD-NXSP-PCB-2X	
ITEM NO. HSD-NXSP-PCB-2X	
PART NO. HSD-NXSP-PCB-2X	

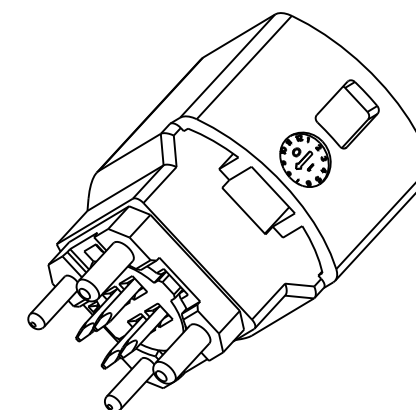
THIRD ANGLE PROJ.

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	10/1/12	48951	JY/BCG
B	ADDED SHEET 2	3/1/13	49363	CPM



**RECOMMENDED PCB LAYOUT**



**CUSTOMER OUTLINE DRAWING**

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY