

NOTES:

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

- BODY = ZINC DIECAST (ZAMAK #3 PER ASTM-B86) FOR SOLDER. MATTE TIN PL.100~150 THICK OVER NICKEL PL.100~150 THICK OVER COPPER PL.400~600 THICK
- CONTACT = COPPER ALLOY(C2680), GOLD PL. 15 MIN.THICK OVER NICKEL PL. 100 MIN ON MATING AREA. MATTE TIN 100~150 THICK OVER NICKEL PL. 100 MIN ON OTHER AREA.
- INSULATOR = LCP, COLOR: BLACK.
- CAP = LCP, COLOR: BLACK.
- HOUSING = NY4T, 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 PSEX. 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
- D. INSERTION FORCE: 35N MAX.
WITHDRAWAL FORCE: 5N MIN.

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

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

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

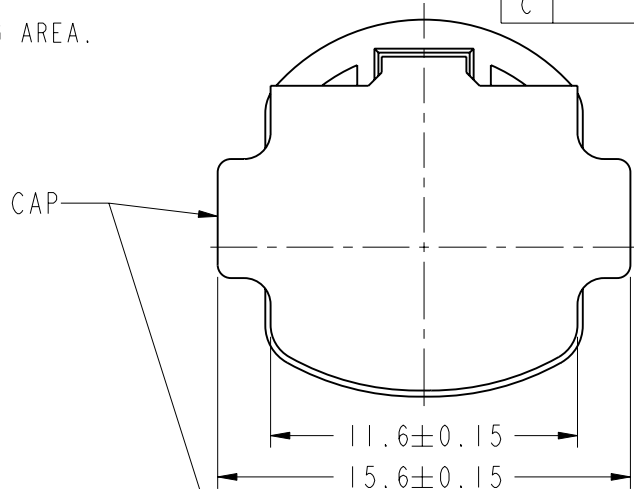
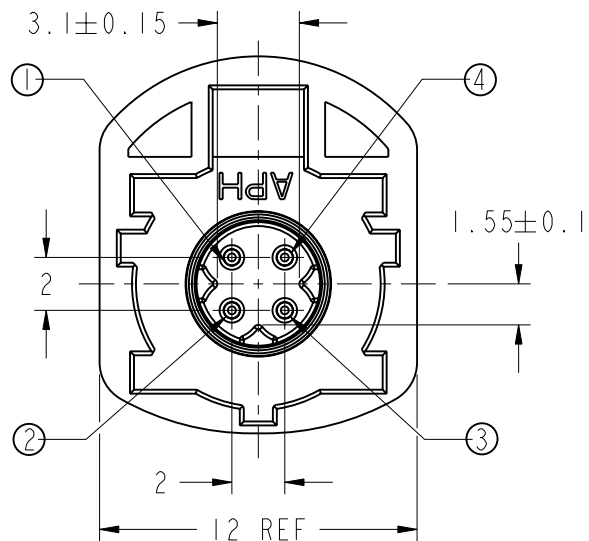
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:
<0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES
± 0.05mm ±0.1mm ±0.2mm ± 0.3mm ±1°

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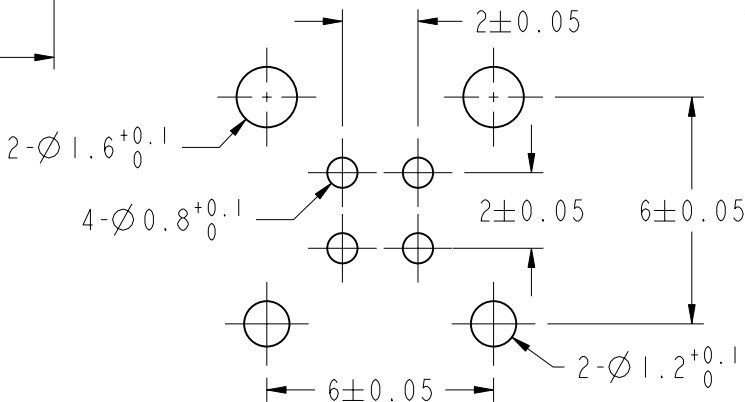
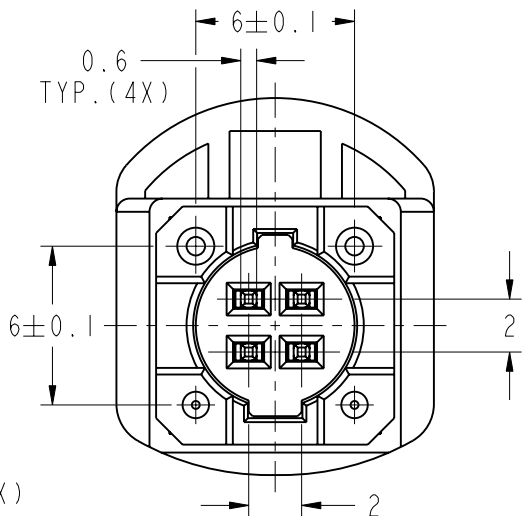
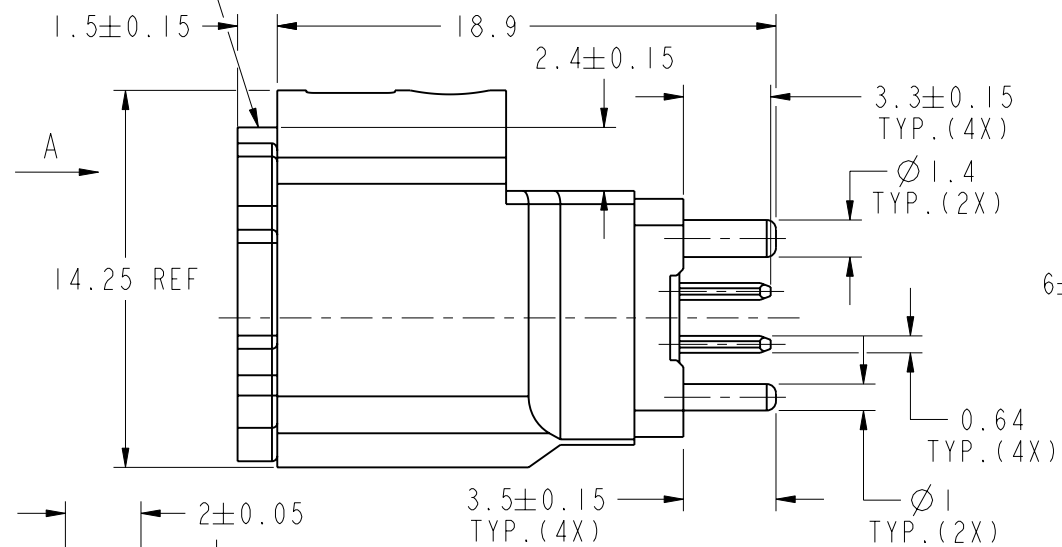
THIRD ANGLE PROJ. 

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
C	UPDATED STRUCTURE,NOTES AND ADD CAP	05-Feb-18	07063	HL



A VIEW



RECOMMENDED PCB LAYOUT

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

MATERIAL	DRAWN J. YANG	DATE 22-Jun-11	TITLE HSD VERTICAL PLUG PCB		Amphenol RF www.amphenolrf.com	
	ENGINEER J. YANG	DATE 22-Jun-11				
	REFERENCE EAR 4794	DATE 26-Feb-18	SCALE: 4.0:1.0 SHEET 1 OF 2		DRAWING NO. HSD-NXSP-PCB-2X	
	CONFIGURATION LEVEL:	CAD FILE	DWG SIZE B REV C		ITEM NO. HSD-NXSP-PCB-2X	
FINISH					PART NO. HSD-NXSP-PCB-2X	