

NOTES:

1. MATERIALS AND FINISHES:
CONNECTOR A: HSD STR PLUG: 2HSD-NXSP-C44WI
CONNECTOR B: HSD STR PLUG: 2HSD-NXSP-C44WI
CABLE: HSD-S0040103, 4-WIRES CABLE, COLOR:BLACK

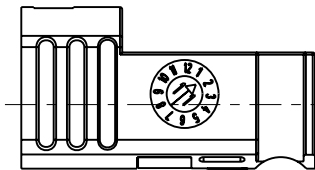
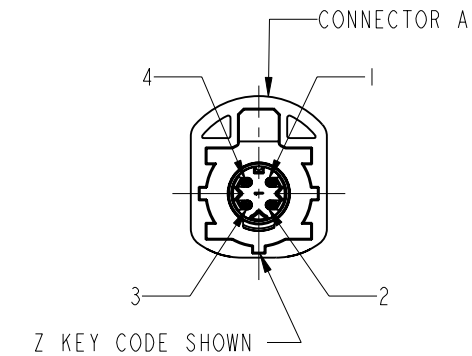
2. ELECTRICAL:
A. IMPEDANCE: 100 OHM

3. MECHANICAL:
A. DURABILITY: 25 CYCLES MIN.
B. TEMPERATURE RANGE: -40°C TO 105°C
C. HOUSING RETENTION: 110N MIN. AXIAL
4. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOL RF, HSDSPXSPXXX-20 AND DATE CODE"

THIRD ANGLE PROJ.

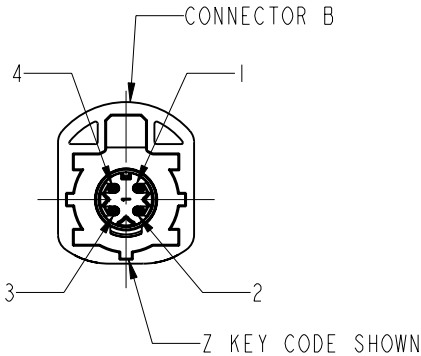
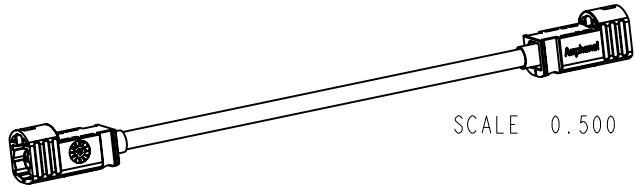
REVISIONS

REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	08-May-19	11452	PL



CRIMP
TYP(2)

INTERFACE PER
HSD PLUG
TYP(2)



PART NUMBERING

TYPE	CONNECTOR A	CONNECTOR B	CABLE LENGTH	SUFFIX
HSD	SPX	SPX	XX	-20

FAMILY
HSD - HIGH SPEED DATA
HD4 - 4- PIN FAKRA

ORIENTATION
S = STRAIGHT
R = RIGHT ANGLE

GENDER
J = JACK
P = PLUG

KEYING
NORTH: A,B,C,D,E,F,Z

CONFIGURATION
VARIABLE
01-99

LENGTH CODE
SEE LENGTH TABLE

LENGTH TABLE	
XX	LENGTH 'L' IN INCHES [METERS]
01	12.00 [0.305]
02	19.69 [0.500]
03	24.00 [0.610]
04	29.53 [0.750]
05	36.00 [0.914]
06	39.37 [1.000]
07	48.00 [1.219]
08	59.06 [1.500]
09	60.00 [1.524]
10	72.00 [1.829]
11	78.74 [2.000]
12	118.11 [3.000]
13	120.00 [3.048]
14	144.00 [3.658]
15	180.00 [4.572]
16	196.850 [5.000]
17	300.00 [7.620]
18	393.70 [10.000]
19	600.00 [15.240]
20	787.40 [20.000]
21	900.00 [22.860]
22	1181.10 [30.000]
23	1200.00 [30.480]

TOLERANCE TABLE	
LENGTH IN INCHES/FT [METERS]	TOLERANCE
0" - 23.90" [0 - 0.607]	±0.25" [0.006]
24.00" - 59.00" [0.610 - 1.499]	±0.50" [0.013]
5.0' - 24.9' [1.524 - 7.617]	±2.5%
25.0' & UP [7.620 & UP]	±5.0%

DESIGN REQUIREMENTS:

- ☒ FREQUENCY DC - 2 GHz ☒ CONTINUITY
- ☐ VSWR: ---- : 1 MAX. ☒ HI-POT: 500 VRMS
- ☐ INS. LOSS: ---- dB MIN. ☐ OTHER

CONNECTOR A	COLOR	CONNECTOR B
1	BLUE	1
2	ORANGE	2
3	GREEN	3
4	BROWN	4

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: <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES ± 0.05mm ±0.1mm ±0.2mm ± 0.3mm ±1°					MATERIAL		DRAWN		DATE		TITLE HSD STR PLUG TO HSD STR PLUG USING HSD-S0040103 CABLE		Amphenol RF www.amphenolrf.com	
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					REFERENCE		ENGINEER		DATE					
					EAR# 8869		P.YU		15-May-19					
REF:					S.HSIEH		DATE		15-May-19		SCALE: 1.5:1.0		SHEET 2 OF 2	
CONFIGURATION LEVEL: In Work					CAD FILE		DWG SIZE		REV		DRAWING NO. HSDSPXSPXXX-20			
FINISH							B		A		ITEM NO. HSDSPXSPXXX-20			
											PART NO. HSDSPXSPXXX-20			