

6 5 4 3 2 1

APPROVED: _____
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	4/10/19	

HSD-04X-S-PT-SG-C1-T/R

ϕ14.00
Straight Plug With Cap

1.10±0.05
19.10

2.50
1.10

5.02±0.05
2.10±0.10
2.00±0.05
1.5145
1.852
2.80±0.10
ϕ0.90±0.05(hole)
ϕ1.65±0.05(hole)
0.40±0.05
0.768
2.00±0.05
5.02±0.05

RECOMMENDED PCB LAYOUT

12.00
1 2 3 4

15.40±0.15
2.60±0.15
0.75
0.68±0.03 (envelope circle)
ϕ1.30±0.10

9.50±0.15
2.00±0.15
9.60±0.15
5.02±0.25
2.00±0.15
8.50±0.50
5.65±0.30
5.02±0.25

SPECIFICATIONS:

Material:
Insulator: PA
Contacts: Brass
Outer Contacts: Brass
Contact Plating:
Contact area: Selective Gold Plated
Solder tails area: Tin Plated (Lead free)

Electrical:
Impedance, differentail mode: 100 Ω differentail signalling,
for one pair or quad cable shielded

Frequency: DC to 2.0 GHz
Return loss: ≥ 20 dB to 1.0 GHz
 ≥ 17 dB to 2.0 GHz

Insertion loss: 0.1 dB @ 1.0 GHz
Insulation resistance: 1000 MΩ
Signal contact resistance: 10 mΩ

Mechanical:
Mating cycles: ≥ 25 Cycles
Engagement force: ≤ 30N
Disengagement force: ≥ 5N
Retention force latch: ≥ 110 N
Coding efficiency: ≥ 80N

Temperature Rating:
-40°C to +105°C

Environmental:
Lead free, RoHS compliant

CODINGS 1:1

Coding	A	B	C	D	E	F	Z
Plug							
Colour	black	white	blue	bordeaux	green	brown	waterblue

PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS TOLERANCES: EXCEPT AS NOTED ANG, ±5° 0. ±0.50 .0 ±0.30 .00 ±0.20		ADAM TECH INTERCONNECTS		909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710	
APPROVALS		DATE		TITLE	
DRAWN	LH	4/10/19		HSD FAKRA STRAIGHT PLUG	
CHECKED	AC	4/10/19		SIZE	PART NO.
APPROVED				X	HSD-04X-S-PT-SG-C1-T/R
REF: S00013T		SCALE: NTS		REV. -	
SHEET 1 OF 1					

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