

Specifications:

Material And Finish:

Center Contact:Brass
Outer Contact1(Interface):Brass
Outer Contact2(PCB):Zinc alloy
Dielectric:LCP
Housing:HTN

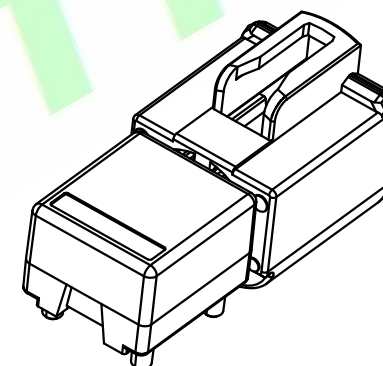
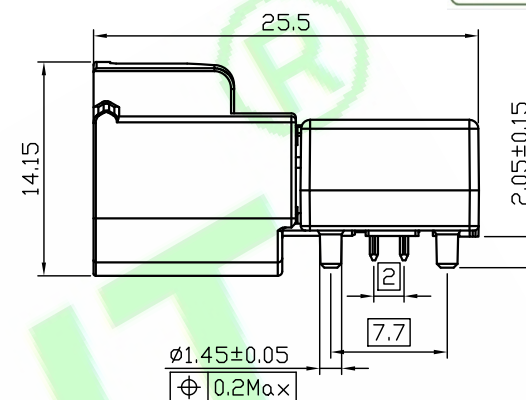
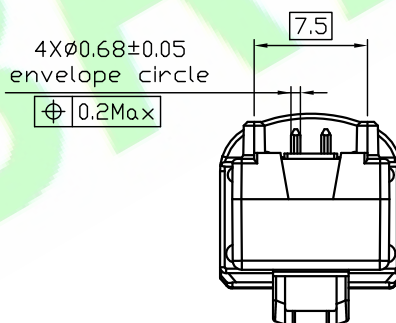
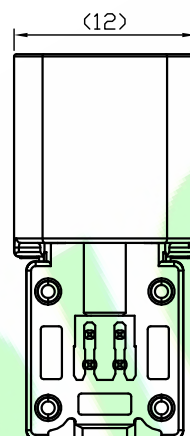
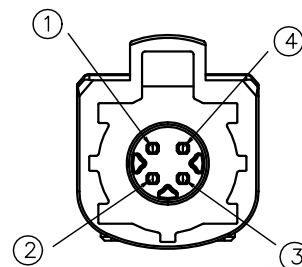
Plated:

Center Contact:Gold,0.15 μm(Interface)
Tin,min.1 μm (PCB)
Outer Contact1(Interface):Ni,min.3 μm
Outer Contact2(PCB):Tin min.2 μm,over nickel

Ordering Information

HSD200R-04X-01-G
1 2 3 4 5

- 1: — Series No.
2: — R:R/A Type
3: — No. of Positions
4: — A:A Type
B:B Type
C:C Type
D:D Type
E:E Type
F:F Type
Z:Z Type
5: — G:Tape&Reel



DR.BY.: Zolin	GENERAL TOLERANCE:		PART NO : HSD200R-04X-01-G	
CHKD.: Sam	LINEAR	ANGLES	DWG. NO.:	TITLE : Right angle plug PCB w. housing
APPD.: Billy	X.: ±0.40	X': ±5.0'		
	X.X: ±0.25	X.X': ±3.0'		
	X.XX: ±0.15	X.XX': ±2.0'		
	X.XXX: ±0.15	X.XXX': ±1.0'		
			DATE: 18-Jul-2025	

HJBRIGHT® 东莞市華晶電子有限公司
BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED

SHEET: 1/2
SCALE: 1:1
UNIT: mm



THIRD ANGLE PROJECTION

A4

1X	ORIGINAL	Zolin	
REV	DESCRIPTION	DR.BY	ECN. NO.

Electrical Data:

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

Frequency :DC to 2 GHz

Return loss : ≥ 20 dB, DC to ≤ 1 GHz
 ≥ 17 dB, > 1 GHz to ≤ 2 GHz

Insertion loss: ≤ 0.1 dB @ 1 GHz

Skew (between signal contacts) ≤ 25 psec

Nearend-Crosstalk ≤ -30 dB (1 GHz)

Farend-Crosstalk ≤ -35 dB (1 GHz)

Insulation resistance : $\geq 1 \times 10^3$ M Ω

Signal contact resistance ≤ 10 m Ω

Outer contact resistance ≤ 7.5 m Ω

Test voltage : 500 V rms

Working voltage: 60 V rms

Power current ≤ 1.5 A DC

RF-leakage (shielding effectiveness) : 75 dB up to 1 GHz (IEC 62153-4-7)
: 65 dB up to 2 GHz (IEC 62153-4-7)

Mechanical data:

Mating cycles ≥ 25

Engagement force ≤ 30 N

Disengagement force ≥ 5 N

Retention force latch ≥ 110 N

Coding efficiency ≥ 80 N

Weight 7.7 g

Environmental data:

Temperature range: -40°C to $+105^{\circ}\text{C}$

Thermal shock: IEC 60068-2-14 Test Na

Temperature and humidity: USCar 2, Rev. 4, 5.6.2

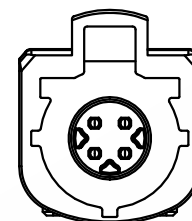
Vibration (Random): IEC 60068-2-64 (class 2)

Mechanical Shock: IEC 60068-2-27

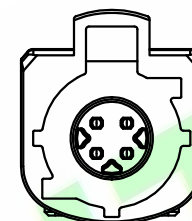
High-Temp. Exposure: IEC 60068-2-2 (temperature $+105^{\circ}\text{C}$)

Soldering profile: acc. to IEC 60068-2-58; Group 3 (250°C / 30s)

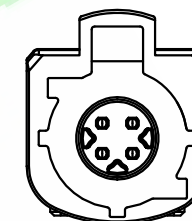
RoHS: compliant



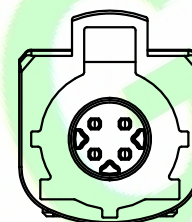
A Type (Black)



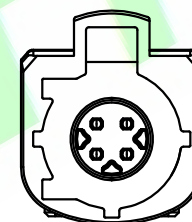
B Type (White)



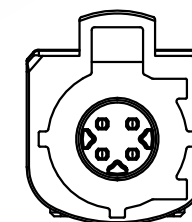
C Type (Blue)



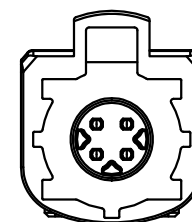
D Type (Bordeaux)



E Type (Green)



F Type (Brown)



Z Type (Waterblue)

1X	ORIGINAL	Zolin	
REV	DESCRIPTION	DR.BY	ECN. NO.

DR.BY.: Zolin	GENERAL TOLERANCE:	
CHKD.: Sam	LINEAR	ANGLES
APPD.: Billy	X.: X.X: ± 0.40 X.XX: ± 0.25 X.XXX: ± 0.15	X': $\pm 5.0^{\circ}$ X.X': $\pm 3.0^{\circ}$ X.XX': $\pm 2.0^{\circ}$ X.XXX': $\pm 1.0^{\circ}$

PART NO : HSD200R-04X-01-G
DWG. NO.:
TITLE : Right angle plug PCB w. housing
DATE: 18-Jul-2025

HJBRIGHT® 東莞市華晶電子有限公司 BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED		
SHEET: 2/2		A4
SCALE: 1:1		
UNIT: mm		
THIRD ANGLE PROJECTION		