

## 1.Material

See table.

## 2.Electrical

Impedance:100 $\Omega$  differential signalling,  
for one pair or quad cable shielded

Frequency:DC to 2.0GHz

Return Loss:

 $\geq 20$  db to 1.0 GHz $\geq 17$  db to 2.0 GHzInsertion Loss: $\leq 0.1$  db @ 1.0GHzSkew(Between signal contacts) $\leq 25$  PsexNear-end-Crosstalk:  $\leq -30$  dBFar-end-Crosstalk:  $\leq -35$  dBInsulation resistance: $\geq 1000M\Omega$ Signal contact resistance:  $\leq 10$  m $\Omega$ Outer contact resistance:  $\leq 7.5$  m $\Omega$ 

Test voltage:250V rms

Working voltage:100V rms

Power current : $\leq 1.5A$  DC

RF-leakage(shielding effectiveness)

 $\geq 75$ dB up to 1 GHz(IEC62153-4-7) $\geq 65$ dB up to 2 GHz(IEC62153-4-7)

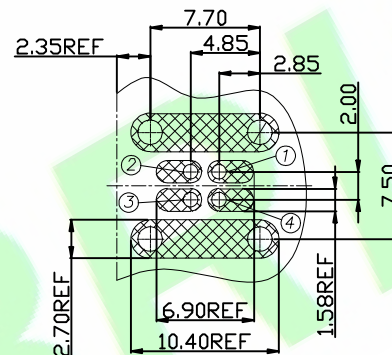
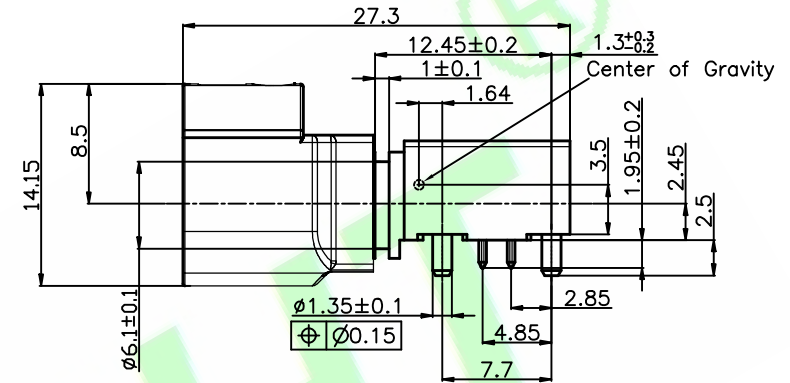
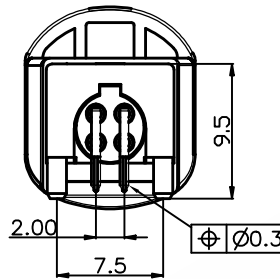
## 3.Mechanical

Mating cycles:  $\geq 25$ 

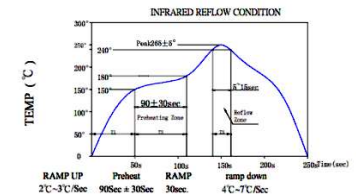
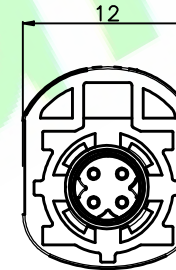
Temperature range:-40°C to +105°C

Housing retention: $\geq 110N$ Insertion force: $\leq 30N$ Withdrawal force: $\geq 5N$ 

4.Unit Weight:6.84g/PCS



Recommended PCB LAYOUT



Soldering temp.260degree 10s/peak

## Ordering Information

HSD11001R-04X-01-G

1 2 3 4 5

1: Series No.

2: R/R/A Type

3: No.of Positions

4: Fool-proofing Type

A:A Type

B:B Type

C:C Type

D:D Type

E:E Type

F:F Type

Z:Z Type

4: G:In Tape &amp;reel

| NO | Part name      | Number | Material        | Plating/Color                             |
|----|----------------|--------|-----------------|-------------------------------------------|
| 1  | Housing        | 1      | PA9T            | See Table 1                               |
| 2  | Dielectric     | 1      | LCP             | Black                                     |
| 3  | Center Contact | 4      | Bronze Phosphor | Gold Flash on Contact Tin on tail         |
| 4  | Outer Contact  | 1      | Zinc            | Cu400u"MIN ,Ni 100u" Min,Matte Sn100u"Min |

DR.BY:

Judyyan

CHKD:

Aren

APPD:

Billy

## GENERAL TOLERANCE:

LINEAR

ANGLES

X.:  $\pm 0.40$  X':  $\pm 5.0^\circ$ X.X:  $\pm 0.30$  X.X':  $\pm 3.0^\circ$ X.XX:  $\pm 0.20$  X.XX':  $\pm 2.0^\circ$ X.XXX:  $\pm 0.10$  X.XXX':  $\pm 1.0^\circ$ 

PART NO : HSD11001R-04X-01-G

BURY P/N:

TITLE :

HSD Horizontal 4P Plug(Upward) R/A Type

DATE: 17-Oct-2021

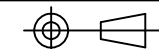
HJBRIGHT® 东莞市華晶電子有限公司

BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED

SHEET: 1/2

SCALE: 1:1

UNIT: mm



THIRD ANGLE PROJECTION

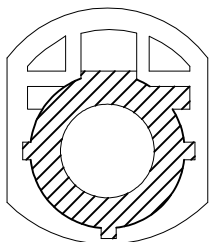
A4

|     |                 |         |          |
|-----|-----------------|---------|----------|
| 2X  | Update the data | Zolin   | 20240507 |
| 1X  | ORIGINAL        | Judyyan |          |
| REV | DESCRIPTION     | DR.BY   | ECN. NO  |

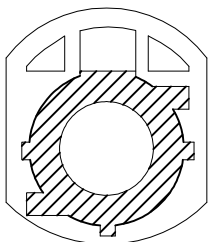
See Table 1:

Fool-proofing Type

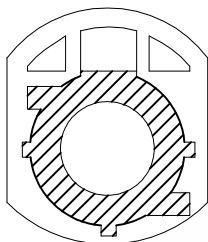
A Type

BLACK  
9005

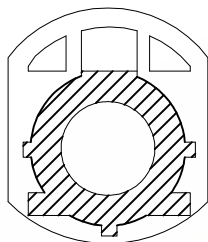
B Type

WHITE  
9001

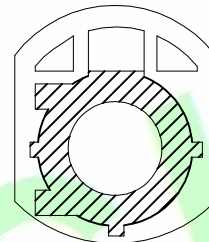
C Type

BLUE  
5005

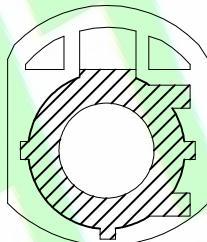
D Type

CLARET VIOLET  
4004

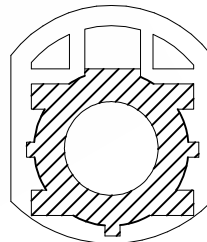
E Type

GREEN  
6002

F Type

BROWN  
8011

Z Type

WATERBLUE  
5021DR.BY.:  
Judyyan

GENERAL TOLERANCE:

LINEAR

ANGLES

PART NO : HSD11001R-04X-01-G

BURY P/N:

CHKD.:  
ArenX.:  $\pm 0.40$  X':  $\pm 5.0^\circ$ X.X:  $\pm 0.30$  X.X':  $\pm 3.0^\circ$ APPD.:  
BillyX.XX:  $\pm 0.20$  X.XX':  $\pm 2.0^\circ$ X.XXX:  $\pm 0.10$  X.XXX':  $\pm 1.0^\circ$ 

TITLE :

HSD Horizontal 4P Plug(Upward) R/A Type

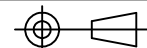
DATE: 17-Oct-2021

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

SHEET: 2/2

SCALE: 1:1

UNIT: mm



THIRD ANGLE PROJECTION

A4

|     |                 |         |          |
|-----|-----------------|---------|----------|
| 2X  | Update the data | Zolin   | 20240507 |
| 1X  | ORIGINAL        | Judyyan |          |
| REV | DESCRIPTION     | DR.BY   | ECN. NO  |