

**Specifications:****Material And Finish:**

Insulator:LCP UL94V-0

Contact:Copper alloy

Plated:See Ordering Information

**Rating:**

Current Rating:Per contact(2 Pin)9.0 Amp

Voltage Rating:250V AC/DC

Operating Temperature Range:LCP:-40°~+105°C

**Electrical:**

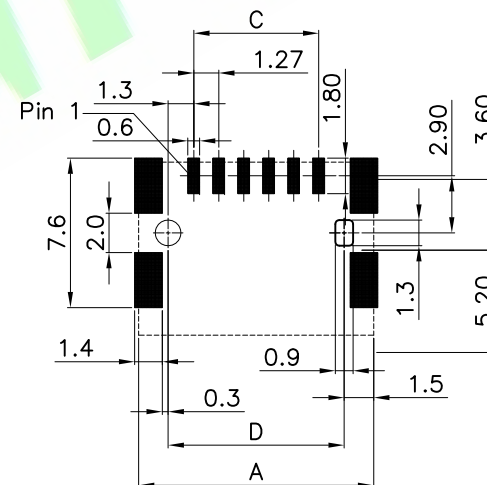
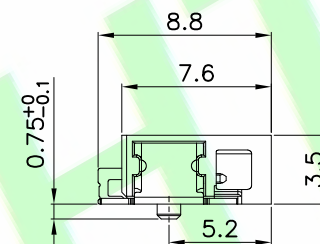
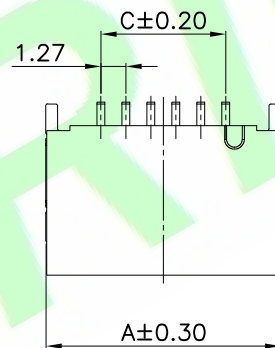
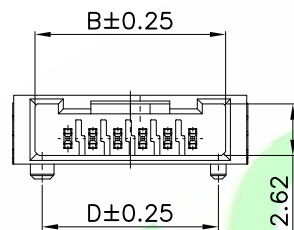
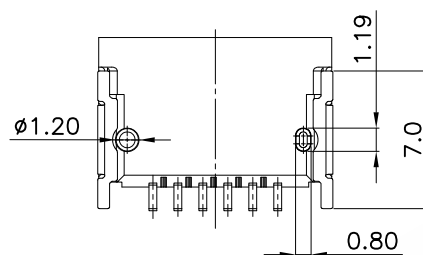
Contact resistance:5m Ohm Max

Insulator resistance:100M ohm min.

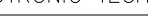
**Ordering Information****M1270H-XXH-XX-G**

1 2 3 4 5 6

- 1:— Series No.  
 2:— H:Horizontal SMT Type  
 3:— No. of Positions  
 4:— H:Gold flash on contact;  
 Matte Tin on tail  
 5:— 01:A Type Red  
 02:B Type Green  
 03:C Type Blue  
 04:D Type Black  
 6:— G:Tape&Reel



PCB Layout

|      |             |         |          |                   |                    |               |                                                     |                                                                                    |                                                                                       |    |
|------|-------------|---------|----------|-------------------|--------------------|---------------|-----------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----|
| 5X   |             |         |          | DR.BY.:<br>Samson | GENERAL TOLERANCE: |               | PART NO : M1270H-XXH-XX-G                           | <div>HJBRIGHT® 東莞市華晶電子有限公司</div> <div>BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED</div> |                                                                                       |    |
| 4X   |             |         |          |                   |                    | LINEAR        | ANGLES                                              |                                                                                    |                                                                                       |    |
| 3X   |             |         |          | CHKD.:<br>Tony    | x.:                | x': ±5.0°     | TITLE :<br>M1.27 MicroBridge Horizontal<br>SMT Type |                                                                                    |                                                                                       |    |
| 2X   |             |         |          |                   | x.x: ±0.30         | x.x': ±3.0°   |                                                     |                                                                                    |                                                                                       |    |
| 1X   | ORIGINAL    | Judyyan |          | APPD.:<br>Billy   | x.xx: ±0.20        | x.xx': ±2.0°  |                                                     | SHEET: 1/2                                                                         |  | A4 |
| REV. | DESCRIPTION | DR.BY   | ECN. NO. |                   | x.xxx: ±0.10       | x.xxx': ±1.0° | DATE: 17-Nov-2021                                   | SCALE: 1:1                                                                         |                                                                                       |    |
|      |             |         |          |                   |                    |               |                                                     | UNIT: mm                                                                           | THIRD ANGLE PROJECTION                                                                |    |

| POS | Horizontal SMT Type1<br>HEADER P/N | Dimensiong mm |       |       |       | Color | POS | IDC Cable P/N    |                 |                  |                 | Color |
|-----|------------------------------------|---------------|-------|-------|-------|-------|-----|------------------|-----------------|------------------|-----------------|-------|
|     |                                    | A             | B     | C     | D     |       |     | A Type IDC Cable |                 | B Type IDC Cable |                 |       |
| 02P | M1270H-02H-01-G                    | 6.87          | 4.61  | 3.87  | 1.27  | RED   | 02P | M1270-02Q-01-AA  | M1270-02H-01-AA | M1270-02Q-01-BA  | M1270-02H-01-BA | RED   |
|     | M1270H-02H-02-G                    |               |       |       |       | GREEN |     | M1270-02Q-02-AA  | M1270-02H-02-AA | M1270-02Q-02-BA  | M1270-02H-02-BA | GREEN |
|     | M1270H-02H-03-G                    |               |       |       |       | BLUE  |     | M1270-02Q-03-AA  | M1270-02H-03-AA | M1270-02Q-03-BA  | M1270-02H-03-BA | BLUE  |
|     | M1270H-02H-04-G                    |               |       |       |       | BLACK |     | M1270-02Q-04-AA  | M1270-02H-04-AA | M1270-02Q-04-BA  | M1270-02H-04-BA | BLACK |
| 04P | M1270H-04H-01-G                    | 9.41          | 7.15  | 6.41  | 3.81  | RED   | 04P | M1270-04Q-01-AA  | M1270-04H-01-AA | M1270-04Q-01-BA  | M1270-04H-01-BA | RED   |
|     | M1270H-04H-02-G                    |               |       |       |       | GREEN |     | M1270-04Q-02-AA  | M1270-04H-02-AA | M1270-04Q-02-BA  | M1270-04H-02-BA | GREEN |
|     | M1270H-04H-03-G                    |               |       |       |       | BLUE  |     | M1270-04Q-03-AA  | M1270-04H-03-AA | M1270-04Q-03-BA  | M1270-04H-03-BA | BLUE  |
|     | M1270H-04H-04-G                    |               |       |       |       | BLACK |     | M1270-04Q-04-AA  | M1270-04H-04-AA | M1270-04Q-04-AA  | M1270-04H-04-AA | BLACK |
| 05P | M1270H-05H-01-G                    | 10.68         | 8.42  | 7.68  | 5.08  | RED   | 05P | M1270-05Q-01-AA  | M1270-05H-01-AA | M1270-05Q-01-BA  | M1270-05H-01-BA | RED   |
|     | M1270H-05H-02-G                    |               |       |       |       | GREEN |     | M1270-05Q-02-AA  | M1270-05H-02-AA | M1270-05Q-02-BA  | M1270-05H-02-BA | GREEN |
|     | M1270H-05H-03-G                    |               |       |       |       | BLUE  |     | M1270-05Q-03-AA  | M1270-05H-03-AA | M1270-05Q-03-BA  | M1270-05H-03-BA | BLUE  |
|     | M1270H-05H-04-G                    |               |       |       |       | BLACK |     | M1270-05Q-04-AA  | M1270-05H-04-AA | M1270-05Q-04-BA  | M1270-05H-04-BA | BLACK |
| 06P | M1270H-06H-01-G                    | 11.95         | 9.69  | 8.95  | 6.35  | RED   | 06P | M1270-06Q-01-AA  | M1270-06H-01-AA | M1270-06Q-01-BA  | M1270-06H-01-BA | RED   |
|     | M1270H-06H-02-G                    |               |       |       |       | GREEN |     | M1270-06Q-02-AA  | M1270-06H-02-AA | M1270-06Q-02-BA  | M1270-06H-02-BA | GREEN |
|     | M1270H-06H-03-G                    |               |       |       |       | BLUE  |     | M1270-06Q-03-AA  | M1270-06H-03-AA | M1270-06Q-03-BA  | M1270-06H-03-BA | BLUE  |
|     | M1270H-06H-04-G                    |               |       |       |       | BLACK |     | M1270-06Q-04-AA  | M1270-06H-04-AA | M1270-06Q-04-BA  | M1270-06H-04-BA | BLACK |
| 08P | M1270H-08H-01-G                    | 14.49         | 12.23 | 11.49 | 8.89  | RED   | 08P | M1270-08Q-01-AA  | M1270-08H-01-AA | M1270-08Q-01-BA  | M1270-08H-01-BA | RED   |
|     | M1270H-08H-02-G                    |               |       |       |       | GREEN |     | M1270-08Q-02-AA  | M1270-08H-02-AA | M1270-08Q-02-BA  | M1270-08H-02-BA | GREEN |
|     | M1270H-08H-03-G                    |               |       |       |       | BLUE  |     | M1270-08Q-03-AA  | M1270-08H-03-AA | M1270-08Q-03-BA  | M1270-08H-03-BA | BLUE  |
|     | M1270H-08H-04-G                    |               |       |       |       | BLACK |     | M1270-08Q-04-AA  | M1270-08H-04-AA | M1270-08Q-04-BA  | M1270-08H-04-BA | BLACK |
| 09P | M1270H-09H-01-G                    | 15.76         | 13.5  | 12.76 | 10.16 | RED   | 09P | /                | /               | M1270-09Q-01-BA  | M1270-09H-01-BA | RED   |
|     | M1270H-09H-02-G                    |               |       |       |       | GREEN |     |                  |                 | M1270-09Q-02-BA  | M1270-09H-02-BA | GREEN |
|     | M1270H-09H-03-G                    |               |       |       |       | BLUE  |     |                  |                 | M1270-09Q-03-BA  | M1270-09H-03-BA | BLUE  |
|     | M1270H-09H-04-G                    |               |       |       |       | BLACK |     |                  |                 | M1270-09Q-04-BA  | M1270-09H-04-BA | BLACK |
| 10P | M1270H-10H-01-G                    | 17.03         | 14.77 | 14.03 | 11.43 | RED   | 10P | M1270-10Q-01-AA  | M1270-10H-01-AA | /                | /               | RED   |
|     | M1270H-10H-02-G                    |               |       |       |       | GREEN |     | M1270-10Q-02-AA  | M1270-10H-02-AA |                  |                 | GREEN |
|     | M1270H-10H-03-G                    |               |       |       |       | BLUE  |     | M1270-10Q-03-AA  | M1270-10H-03-AA |                  |                 | BLUE  |
|     | M1270H-10H-04-G                    |               |       |       |       | BLACK |     | M1270-10Q-04-AA  | M1270-10H-04-AA |                  |                 | BLACK |
| 12P | M1270H-12H-01-G                    | 19.57         | 17.31 | 16.57 | 13.97 | RED   | 12P | M1270-12Q-01-AA  | M1270-12H-01-AA | /                | /               | RED   |
|     | M1270H-12H-02-G                    |               |       |       |       | GREEN |     | M1270-12Q-02-AA  | M1270-12H-02-AA |                  |                 | GREEN |
|     | M1270H-12H-03-G                    |               |       |       |       | BLUE  |     | M1270-12Q-03-AA  | M1270-12H-03-AA |                  |                 | BLUE  |
|     | M1270H-12H-04-G                    |               |       |       |       | BLACK |     | M1270-12Q-04-AA  | M1270-12H-04-AA |                  |                 | BLACK |
| 16P | M1270H-16H-01-G                    | 24.65         | 22.39 | 21.65 | 19.05 | RED   | 16P | M1270-16Q-01-AA  | M1270-16H-01-AA | M1270-16Q-01-BA  | M1270-16H-01-BA | RED   |
|     | M1270H-16H-02-G                    |               |       |       |       | GREEN |     | M1270-16Q-02-AA  | M1270-16H-02-AA | M1270-16Q-02-BA  | M1270-16H-02-BA | GREEN |
|     | M1270H-16H-03-G                    |               |       |       |       | BLUE  |     | M1270-16Q-03-AA  | M1270-16H-03-AA | M1270-16Q-03-BA  | M1270-16H-03-BA | BLUE  |
|     | M1270H-16H-04-G                    |               |       |       |       | BLACK |     | M1270-16Q-04-AA  | M1270-16H-04-AA | M1270-16Q-04-BA  | M1270-16H-04-BA | BLACK |

5X  
4X  
3X  
2X  
1X  
REV.

12345678

DR.BY.:

Samson

CHKD.:

Tony

APPD.:

Billy

GENERAL TOLERANCE:

LINEAR

ANGLES

X.:

X': ±5.0°

X.X: ±0.30

X.X': ±3.0°

X.XX: ±0.20

X.XX': ±2.0°

X.XXX: ±0.10

X.XXX': ±1.0°

PART NO : M1270H-XXH-XX-G

DWG. NO.:

TITLE :

M1.27 MicroBridge Horizontal  
SMT Type

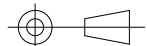
DATE: 17-Nov-2021

**HJBRIGHT®** 东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