

RoHS Compliant

Automobile  
Product

## Specifications:

Material And Finish:

Insulator:PA9T UL94V-0 Color:See Ordering  
Information

Contact:Brass

Plated:See Ordering Information

## Rating:

Current Rating:5A(Single pin power supply)

2A(All pins power supply)

Operating Temperature Range:-45°C~+125°C

## Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:100M ohm min.

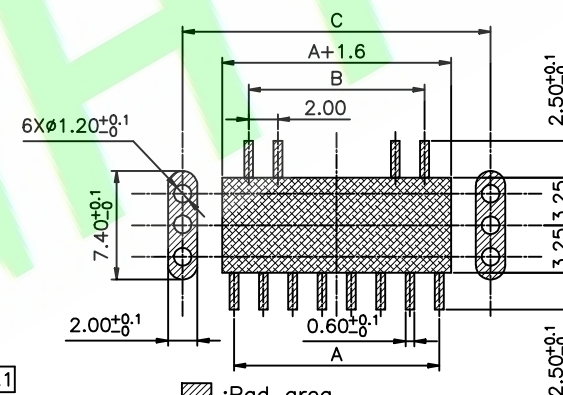
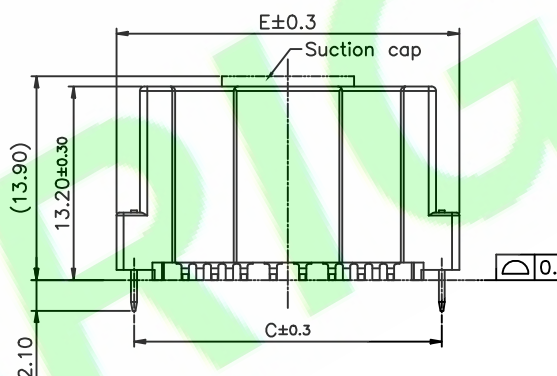
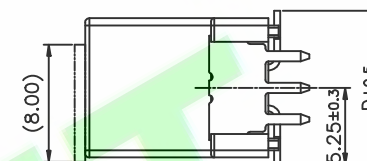
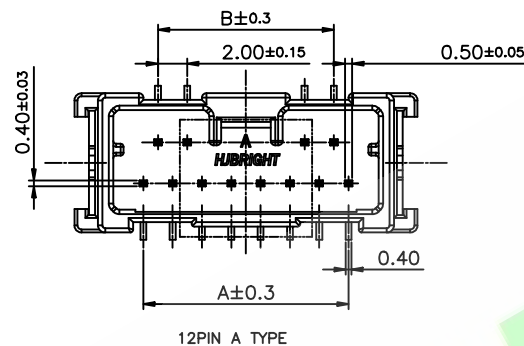
Withstanding Voltage:1000V AC 1Minute

## Ordering Information

A2027M-XXX-02-XF

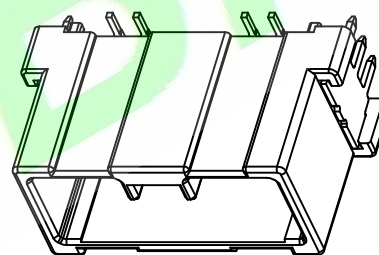
1 2 3 4 5 6

- 1: — Series No.  
2: — M:Vertical Type  
3: — No. of Positions  
4: — S:Matte Tin Plated  
5: — A:A Tape Black  
B:B Tape Violet  
C:C Tape Gray  
6: — F:W/ Cap In Tape&Reel



PCB LAYOUT (TOP VIEW)

Tolerance:±0.05mm



| No. of PIN | A    | B    | C    | D    | E     | E   |
|------------|------|------|------|------|-------|-----|
| 02         | 2.0  |      | 10.8 |      | 13.20 |     |
| 04         | 6.0  |      | 14.8 |      | 17.20 |     |
| 08         | 10.0 | 8.0  | 17.0 |      | 19.40 |     |
| 12         | 14.0 | 12.0 | 21.0 |      | 23.40 |     |
| 16         | 18.0 | 20.0 | 27.0 | 10.5 | 29.40 | 2.8 |
| 24         | 30.0 | 28.0 | 37.0 |      | 39.40 |     |

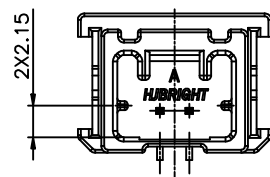
|                  |                    |               |                                            |  |                                                                                    |                                                                                                                                    |    |
|------------------|--------------------|---------------|--------------------------------------------|--|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----|
| DR.BY.:<br>Hu.CH | GENERAL TOLERANCE: |               | PART NO : A2027M-XXX-02-XF                 |  | <div>HJBRIGHT® 東莞市華晶電子有限公司</div> <div>BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED</div> |                                                                                                                                    |    |
|                  | LINEAR             | ANGLES        | DWG. NO.:                                  |  |                                                                                    |                                                                                                                                    |    |
| CHKD.:<br>Hu.CH  | x.:                | x°: ±5.0°     | TITLE :<br>2.0mm Pitch Vertical Type Wafer |  | SHEET: 1/2                                                                         | <div></div> <div>THIRD ANGLE PROJECTION</div> | A4 |
|                  | x.x: ±0.30         | x.x°: ±3.0°   |                                            |  | SCALE: 2:1                                                                         |                                                                                                                                    |    |
| APPD.:<br>Billy  | x.xx: ±0.20        | x.xx°: ±2.0°  | DATE: 10-Oct-2025                          |  | UNIT: mm                                                                           |                                                                                                                                    |    |
|                  | x.xxx: ±0.10       | x.xxx°: ±1.0° |                                            |  |                                                                                    |                                                                                                                                    |    |

|      |             |       |          |
|------|-------------|-------|----------|
| 1X   | ORIGINAL    | Hu.CH |          |
| REV. | DESCRIPTION | DR.BY | ECN. NO. |

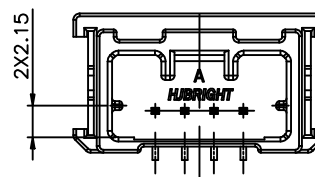
RoHS Compliant



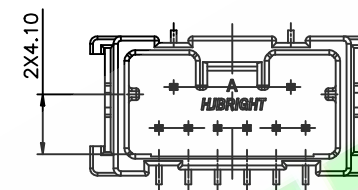
Automobile  
Product



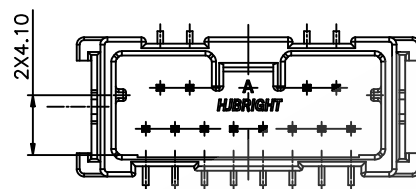
A2027M-02S-02-AF



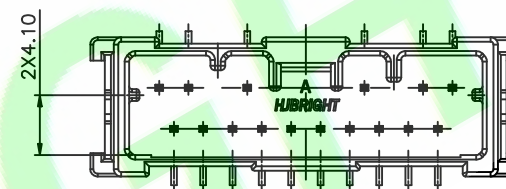
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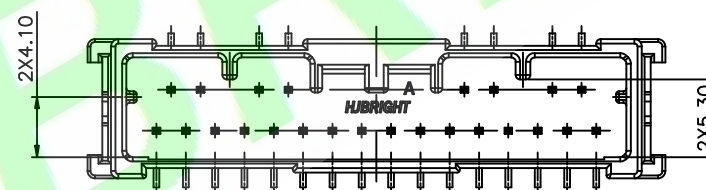
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A2027M-12S-02-AF



A2027M-16S-02-AF



A2027M-24S-02-AF

|      |             |       |
|------|-------------|-------|
| 1X   | ORIGINAL    | Hu.CH |
| REV. | DESCRIPTION | DR.BY |

|                  |                    |               |                                            |
|------------------|--------------------|---------------|--------------------------------------------|
| DR.BY.:<br>Hu.CH | GENERAL TOLERANCE: |               | PART NO : A2027M-XXX-02-XF                 |
|                  | LINEAR             | ANGLES        |                                            |
| CHKD.:<br>Hu.CH  | X.: ±0.30          | X': ±5.0°     | DWG. NO.:                                  |
|                  | X.X: ±0.20         | X.X': ±3.0°   |                                            |
| APPD.:<br>Billy  | X.XX: ±0.10        | X.XX': ±2.0°  | TITLE :<br>2.0mm Pitch Vertical Type Wafer |
|                  | X.XXX: ±0.10       | X.XXX': ±1.0° |                                            |
| ECN. NO.         | DATE: 10-Oct-2025  |               |                                            |

**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