

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.

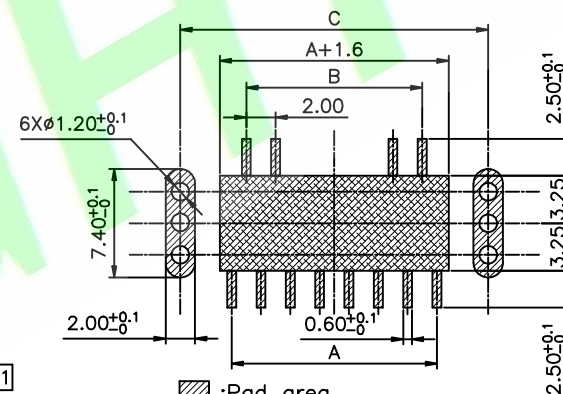
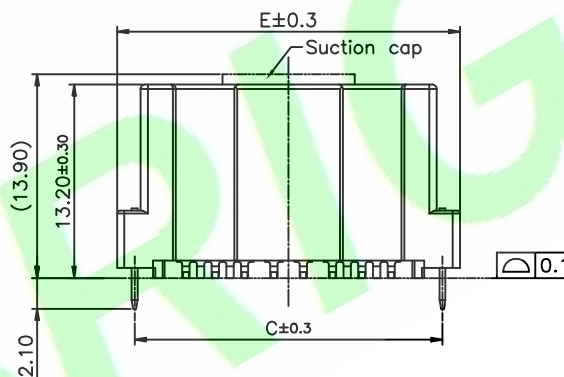
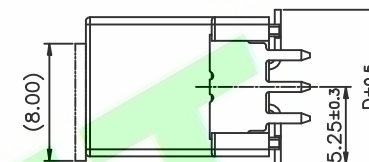
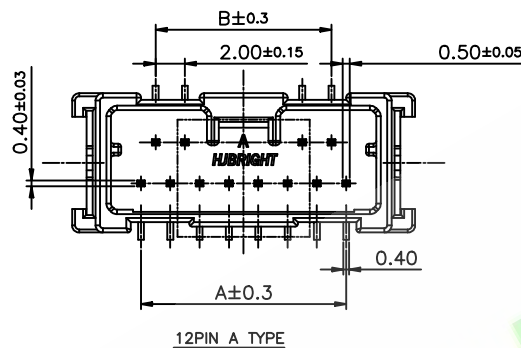
Withstanding Voltage:1000V AC 1Minute

## 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 Type Black  
B:B Type Violet  
C:C Type Gray  
6: — F:W/ Cap In Tape&Reel

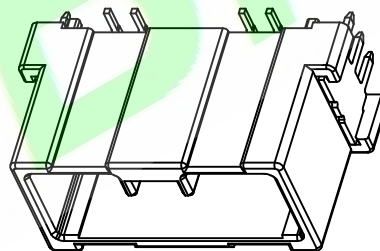


:Pad area

:Pattern prohibited area

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 |      | 29.40 |     |
| 24         | 30.0 | 28.0 | 37.0 | 10.5 | 39.40 | 2.8 |

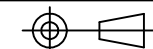
|                  |                    |               |                                            |  |
|------------------|--------------------|---------------|--------------------------------------------|--|
| DR.BY.:<br>Hu.CH | GENERAL TOLERANCE: |               | PART NO : A2027M-XXX-02-XF    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

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BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED

SHEET: 1/2

SCALE: 2:1

UNIT: mm



THIRD ANGLE PROJECTION

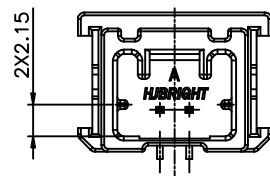
A4

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

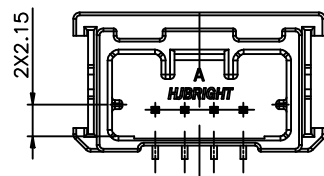
RoHS Compliant



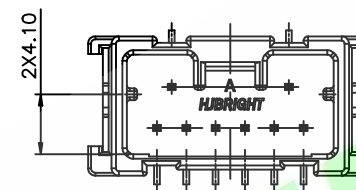
Automobile  
Product



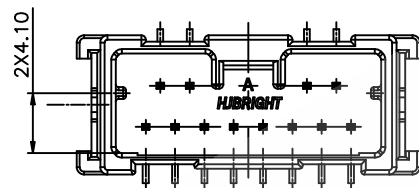
A2027M-02S-02-AF



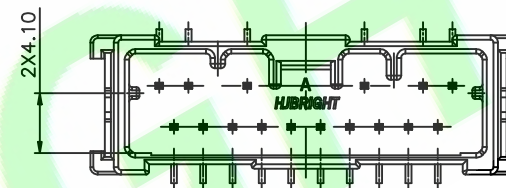
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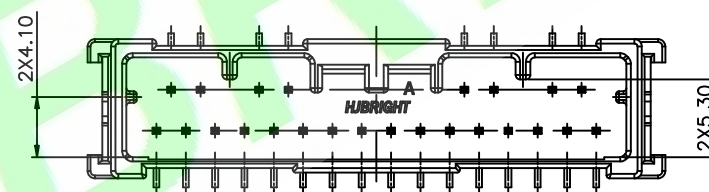
A2027M-08S-02-AF



A2027M-12S-02-AF



A2027M-16S-02-AF



A2027M-24S-02-AF

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

|                  |                    |               |                                            |
|------------------|--------------------|---------------|--------------------------------------------|
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|                  | LINEAR             | ANGLES        |                                            |
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|                  | 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° |                                            |
|                  |                    |               | DATE: 10-Oct-2025                          |

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



THIRD ANGLE PROJECTION

A4