

## MATERIAL

HOUSING: NYLON66, UL94V-0  
PIN: COPPER ALLOY, Sn PLATED

## MECHANICAL

OPERATING TEMPERATURE: -40°C~+105°C  
STRIPPING LENGTH: 11~12mm

## TECHNICAL DATA

UL/CUL

|                                    |                                                                                   |   |     |
|------------------------------------|-----------------------------------------------------------------------------------|---|-----|
| SAFETY APPROVAL                    |  |   |     |
| USE GROUP                          | B                                                                                 | C | D   |
| RATED VOLTAGE (V)                  | 300                                                                               | - | 300 |
| RATED CURRENT (A)                  | 12                                                                                | - | 10  |
| WIRE RANGE<br>SOLID/STRANDED (AWG) | 24-16                                                                             |   |     |
| WITHSTANDING VOLTAGE               | 1600V (1MIN)                                                                      |   |     |

|                                                                 |                 |     |     |
|-----------------------------------------------------------------|-----------------|-----|-----|
| IEC                                                             | IEC61984        |     |     |
| OVERVOLTAGE CATEGORY                                            | III             | III | II  |
| CONTAMINATION CLASS                                             | 3               | 2   | 2   |
| RATED VOLTAGE (V)                                               | 320             | 320 | 630 |
| RATED CURRENT (A)                                               | 12              | 12  | 12  |
| IMPULSE WITHSTANDING<br>VOLTAGE (KV)                            | 4.0             | 4.0 | 4.0 |
| CONDUCTOR CROSS<br>SECTION<br>SOLID/FLEXIBLE (mm <sup>2</sup> ) | 0.2-1.5/0.2-2.5 |     |     |

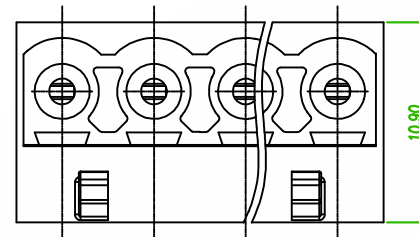


| linear dimension(Tolerances Standard GB/T 14486-2008) |       |              |               |               |                |                 |                | —     | □              | ⊥           |
|-------------------------------------------------------|-------|--------------|---------------|---------------|----------------|-----------------|----------------|-------|----------------|-------------|
| variable range                                        | to 6  | over 6 to 10 | over 10 to 30 | over 30 to 60 | over 60 to 100 | over 100 to 160 | over 160 to 10 | to 10 | over 10 to 100 | over 100 to |
| tolerance                                             | ±0.20 | ±0.30        | ±0.50         | ±0.70         | ±1.00          | ±1.30           | ±1.60          | 0.10  | 0.30           | 0.60        |

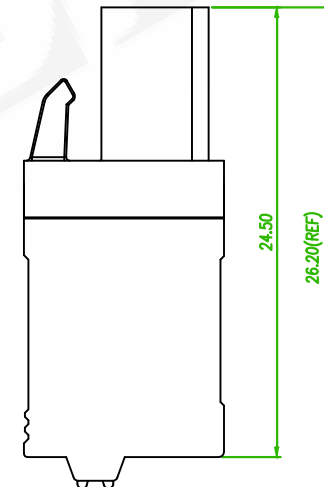
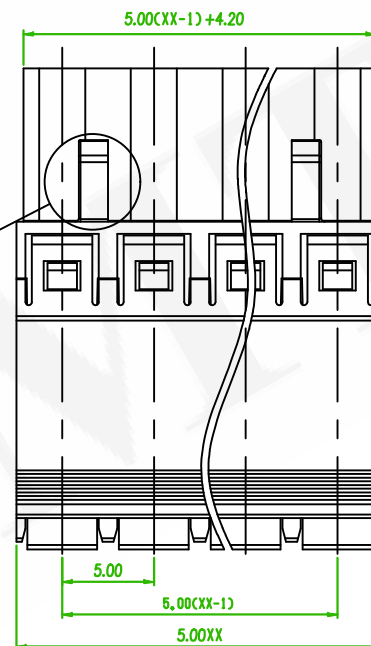
|                                                                                   |                                    |         |            |
|-----------------------------------------------------------------------------------|------------------------------------|---------|------------|
|  | ECN NO.: 240348 Revise the drawing | Gaby    | 2025/01/23 |
|  | ECN NO.: 230714 Revise the PART NO | Benson  | 2023/08/30 |
|  | QEC NO.:210808 Revise the PART NO. | Alice   | 2021/08/18 |
| REV.                                                                              | ECN NO. OR DESCRIPTION             | REVISED | DATE       |

## ORDER INFORMATION

|                     |   |   |   |   |   |   |   |            |   |   |                              |   |   |         |   |       |   |   |   |
|---------------------|---|---|---|---|---|---|---|------------|---|---|------------------------------|---|---|---------|---|-------|---|---|---|
| 5                   | T | P | 5 | 0 | 0 | N | - | 2          | E | G | N                            | X | X | X       | L | X     | - | 0 | 1 |
| 500<br>PITCH:5.00mm |   |   |   |   |   |   |   | SERIES No. |   |   | No OF POLES TOTAL<br>(02-24) |   |   | E:GREEN |   | B:BAG |   |   |   |



FOR 2 PINS,  
ONLY THIS ONE IS AVAILABLE



|                                                                                                                                                                                 |                      |                                 |             |      |                              |                                                                                       |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------|-------------|------|------------------------------|---------------------------------------------------------------------------------------|-----|
| <br>糧德精密有限公司<br>Amtek Technology Co., Ltd.<br>TEL: 886-2-2260-6878<br>FAX: 886-2-2260-8030 | 品名<br>TITLE          | TERMINAL BLOCK PLUGGABLE 5.00mm |             |      |                              | 頁數<br>Page                                                                            | 1/1 |
|                                                                                                                                                                                 | 品號<br>PART NO.       | 5TP500N-2EGNXXXLX-01            |             |      | 繪圖<br>DRAWN                  | DAVID<br>2020/03/20                                                                   |     |
|                                                                                                                                                                                 | 圖號<br>DRAWING NO.    | GN011-DV927                     | 版本<br>REV.  | E    | 核對<br>CHECKED                | JOSH<br>2020/03/20                                                                    |     |
|                                                                                                                                                                                 | 客戶品號<br>CUSTOMER P/N |                                 | 比例<br>SCALE | None | 承認<br>APPROVED               | JOSH<br>2020/03/20                                                                    |     |
|                                                                                                                                                                                 | 公差<br>TOLERANCE      |                                 | 單位<br>UNIT  | mm   | THIRD<br>ANGLE<br>PROJECTION |  |     |

AMTEK 糧德

2025.02.17

Released DCC