

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

ORDER INFORMATION

5 T R 2 5 0 S - 2 5 1 N X X X L X - 0 1

250  
PITCH: 2.50mm

SERIES No.

POLES  
(01-30P)

G: GRAY

A: TRAY

MECHANICAL  
OPERATING TEMPERATURE: -40°C~+105°C  
STRIPPING LENGTH: 5~6mm

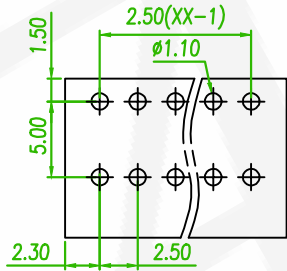
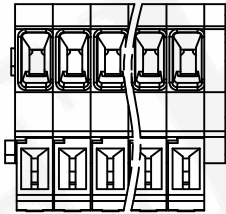
TECHNICAL DATA

UL/CUL UL1059

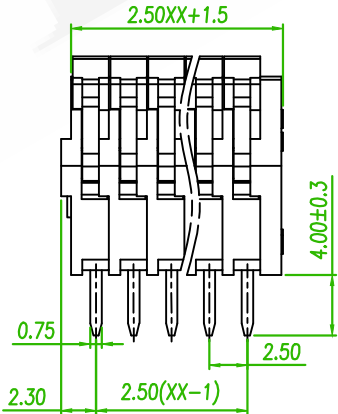
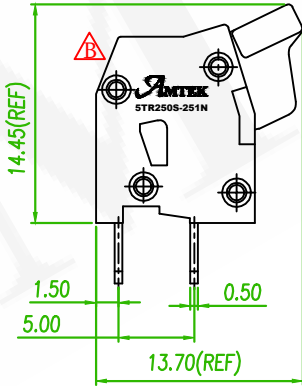
|                                    |              |   |   |
|------------------------------------|--------------|---|---|
| USE GROUP                          | B            | C | D |
| RATED VOLTAGE (V)                  | 150          | - | - |
| RATED CURRENT (A)                  | 4            | - | - |
| WIRE RANGE<br>SOLID/STRANDED (AWG) | 28-20        |   |   |
| WITHSTANDING VOLTAGE               | 1300V (1MIN) |   |   |

IEC IEC60947-7-4

|                                                                 |         |     |     |
|-----------------------------------------------------------------|---------|-----|-----|
| OVERVOLTAGE CATEGORY                                            | III     | III | II  |
| CONTAMINATION CLASS                                             | 3       | 2   | 2   |
| RATED VOLTAGE (V)                                               | 63      | 160 | 320 |
| RATED CURRENT (A)                                               | 6       | 6   | 6   |
| IMPULSE WITHSTANDING<br>VOLTAGE (KV)                            | 2.5     | 2.5 | 2.5 |
| CONDUCTOR CROSS<br>SECTION<br>SOLID/FLEXIBLE (mm <sup>2</sup> ) | 0.2-0.5 |     |     |



RECOMMENDED PCB LAOUT  
(PCB TOLERANCE ±0.05)



| 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 | 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        |

|      |                                    |         |            |
|------|------------------------------------|---------|------------|
| REV. | ECN NO.: 240348 Revise the drawing | GABY    | 2025/02/03 |
|      | Add the Amtek LOGO                 | Benson  | 2023/04/06 |
|      | ECN NO. OR DESCRIPTION             | REVISED | DATE       |

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|                      |                                               |             |      |                           |                    |                    |
|----------------------|-----------------------------------------------|-------------|------|---------------------------|--------------------|--------------------|
| 品名<br>TITLE          | TERMINAL BLOCK PCB SPRING 2.50mm DIP V/T TYPE |             |      |                           | 頁數<br>Page         | 1/1                |
| 品號<br>PART NO.       | 5TR250S-251NXXLX-01                           |             |      |                           | 繪圖<br>DRAWN        | VERA<br>2023/02/22 |
| 圖號<br>DRAWING NO.    | GN011-VJ007                                   | 版本<br>REV.  | C    | 核對<br>CHECKED             | JOSH<br>2023/02/22 |                    |
| 客戶品號<br>CUSTOMER P/N |                                               | 比例<br>SCALE | None | 承認<br>APPROVED            | JOSH<br>2023/02/22 |                    |
| 公差<br>TOLERANCE      |                                               | 單位<br>UNIT  | mm   | 第三<br>ANGLE<br>PROJECTION |                    |                    |