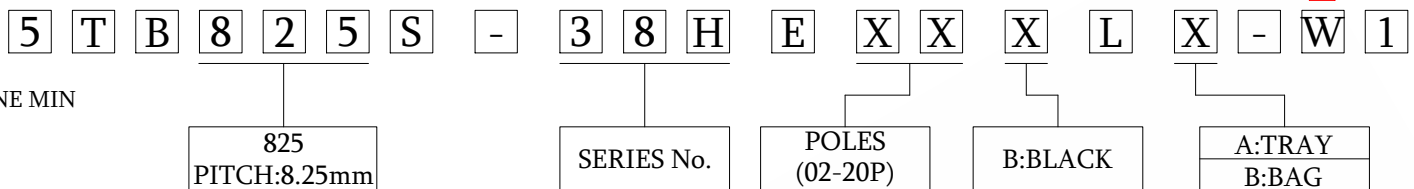


**ELECTRICAL**  
STANDARD:  UL  
RATED VOLTAGE: 250V  
RATED CURRENT: 20A  
CONTACT RESISTANCE: 20mΩ  
WITHSTANDING VOLTAGE: AC 1600V FOR ONE MIN  
INSULATION RESISTANCE: 500MΩ/DC500V  
WIRE RANGE: 22-12AWG

## ORDER INFORMATION

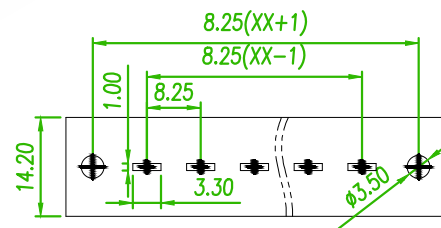
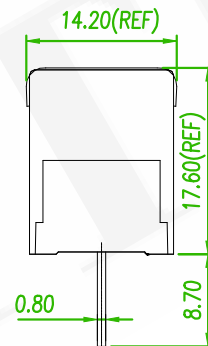
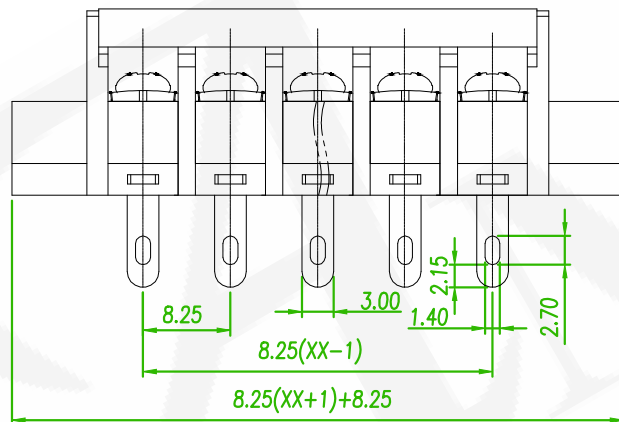
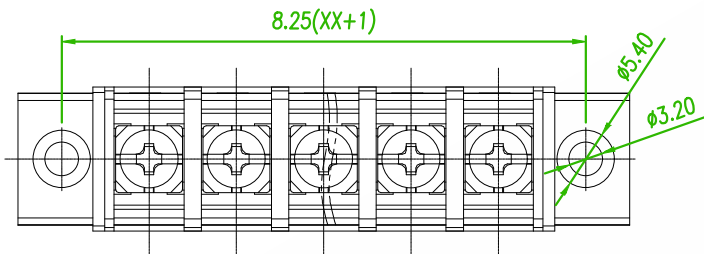


### MECHANICAL

TEMP. RANGE: -40°C ~ +105°C  
TORQUE: 0.5Nm  
MAX SOLDERING: +260°C, FOR 5 SEC

### MATERIAL

HOUSING: NYLON66, UL94V-0  
SCREWS: STEEL, M3 STEEL Ni PLATED  
PIN HEADER: COPPER ALLOY, Sn PLATED  
COVER: PC, UL94V-2



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 10 | over 10 to 100 | over 100 to 100 |
| tolerance                                             | ±0.20 | ±0.30        | ±0.50         | ±0.70         | ±1.00          | ±1.30           | ±1.60          | 0.10           | 0.30            |

|                                                                                   |                                                                        |         |            |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|---------|------------|
|  | ECN NO:240348 Revise the drawing                                       | Gaby    | 2024/12/06 |
|  | ECN NO:200718 Revise the Tolerance & ECN NO:201211 Revise the PART NO. | Alice   | 2020/12/22 |
|  | ECN 200102: Remove the IEC                                             | David   | 2020/06/11 |
| REV.                                                                              | ECN NO. OR DESCRIPTION                                                 | REVISED | DATE       |



| 品名<br>TITLE          | TERMINAL BLOCK BARRIER 8.25mm<br>DIP V/T TYPE |             |      |                           | 頁數<br>Page                                                                            | 1/1 |
|----------------------|-----------------------------------------------|-------------|------|---------------------------|---------------------------------------------------------------------------------------|-----|
| 品號<br>PART NO.       | 5TB825S-38HEXXXLX-W1                          |             |      | 繪圖<br>DRAWN               | Eric<br>2019/01/10                                                                    |     |
| 圖號<br>DRAWING NO.    | GN011-EA547                                   | 版本<br>REV.  | D    | 核對<br>CHECKED             | Josh<br>2019/01/10                                                                    |     |
| 客戶品號<br>CUSTOMER P/N |                                               | 比例<br>SCALE | None | 承認<br>APPROVED            | Jason<br>2019/01/10                                                                   |     |
| 公差<br>TOLERANCE      |                                               | 單位<br>UNIT  | mm   | 第三<br>ANGLE<br>PROJECTION |  |     |