

## SPECIFICATION

Current Rating: 0.5 AMP

Voltage Rating: 200V AC / 300V DC

Insulation Resistance: 100MΩ Min.

Contact Resistance: 70mΩ Max.

Dielectric Voltage: 500V AC for one minute

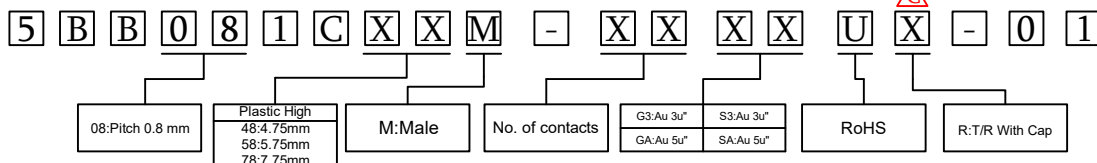
Operation Temperature: -40 °C to +85 °C

## MATERIAL

Insulator: High Temperature Thermoplastic, UL 94V-0, Black

Contact Pin: Phosphor Bronze

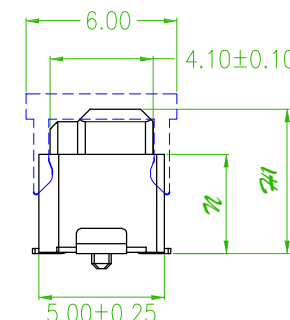
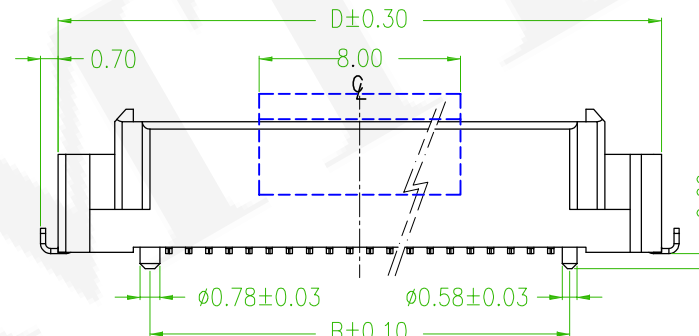
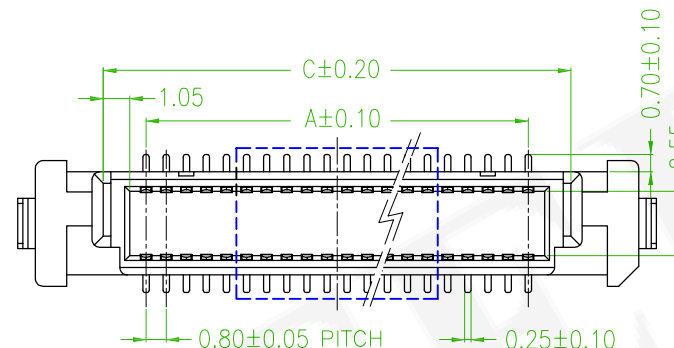
## ORDER INFORMATION



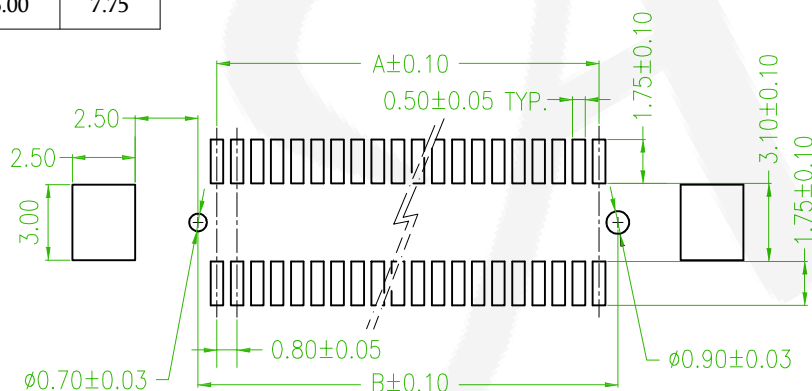
| No. of contacts | Dimensions |       |       |       |
|-----------------|------------|-------|-------|-------|
|                 | A          | B     | C     | D     |
| 20              | 7.20       | 8.70  | 10.60 | 16.00 |
| 30              | 11.20      | 12.70 | 14.60 | 20.00 |
| 40              | 15.20      | 16.70 | 18.60 | 24.00 |
| 50              | 19.20      | 20.70 | 22.60 | 28.00 |
| 60              | 23.20      | 24.70 | 26.60 | 32.00 |
| 70              | 27.20      | 28.70 | 30.60 | 36.00 |
| 80              | 31.20      | 32.70 | 34.60 | 40.00 |
| 100(A1)         | 39.20      | 40.70 | 42.60 | 48.00 |
| 120(A3)         | 47.20      | 48.70 | 50.60 | 56.00 |
| 140(A5)         | 55.20      | 56.70 | 58.60 | 64.00 |



| Mated Height | Male P/N             | Female P/N           |
|--------------|----------------------|----------------------|
| 8.0          | 5BB081C48M-XXXXUR-01 | 5BB081C66F-XXXXUR-01 |
| 9.0          | 5BB081C58M-XXXXUR-01 |                      |
| 11.0         | 5BB081C78M-XXXXUR-01 |                      |
| 11.0         | 5BB081C48M-XXXXUR-01 | 5BB081C96F-XXXXUR-01 |
| 12.0         | 5BB081C58M-XXXXUR-01 |                      |
| 14.0         | 5BB081C78M-XXXXUR-01 |                      |
| 14.0         | 5BB081C48M-XXXXUR-01 | 5BB081C4AF-XXXXUR-01 |
| 15.0         | 5BB081C58M-XXXXUR-01 |                      |
| 17.0         | 5BB081C78M-XXXXUR-01 |                      |



| Plastic High Code | N    | H1   |
|-------------------|------|------|
| 48                | 3.00 | 4.75 |
| 58                | 4.00 | 5.75 |
| 78                | 6.00 | 7.75 |



Recommended P.C.B Layout (Top Side)  
(PCB BOARD TOLERANCE ± 0.05)

Old Part No. :53BTBD01M-xxxxxxWUX-C1

|                                                                                            |                      |                            |       |             |      |                              |                      |
|--------------------------------------------------------------------------------------------|----------------------|----------------------------|-------|-------------|------|------------------------------|----------------------|
| <br>耀德精密有限公司<br>Amtek Technology Co., Ltd.<br>TEL: 886-2-2260-6878<br>FAX: 886-2-2260-8030 | 品名<br>TITLE          | BOARD TO BOARD MALE 0.8 mm |       |             |      | 頁數<br>Page                   | 1/1                  |
|                                                                                            | 品號<br>PART NO.       | 5BB081CXXM-XXXXUX-01       |       |             |      | 繪圖<br>DRAWN                  | Eloise<br>2017/04/26 |
|                                                                                            | 圖號<br>DRAWING NO.    | GW003-EL401                |       | 版本<br>REV.  | D    | 核對<br>CHECKED                | Jerry<br>2017/04/26  |
|                                                                                            | 客戶品號<br>CUSTOMER P/N |                            |       | 比例<br>SCALE | None | 承認<br>APPROVED               | Aaron<br>2017/04/26  |
|                                                                                            | 公差<br>TOLERANCE      | .X ± 0.40<br>.XX ± 0.25    | X°±3° | 單位<br>UNIT  | mm   | THIRD<br>ANGLE<br>PROJECTION |                      |
|                                                                                            |                      |                            |       |             |      |                              |                      |

|      |                                     |         |            |
|------|-------------------------------------|---------|------------|
| △    | ECN NO.:230717 Revise the PIN No.   | Alice   | 2023/08/21 |
| △x2  | ECN NO.:200908 : Revise the Pakeage | David   | 2020/10/14 |
| △x2  | ECN-200110.: Add the Housing Color  | Benson  | 2020/02/27 |
| REV. | ECN NO. OR DESCRIPTION              | REVISED | DATE       |