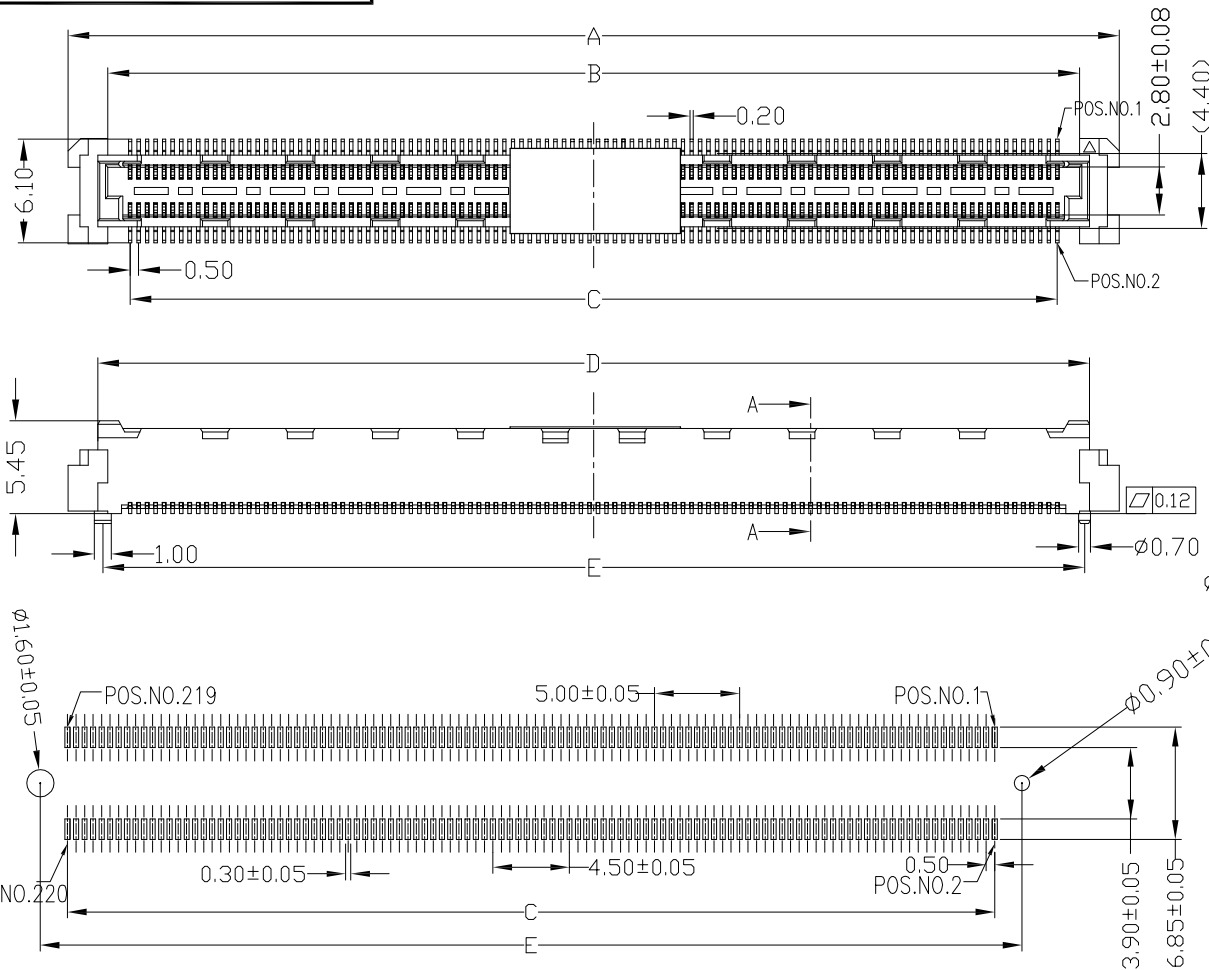


RoHS COMPLIANT



Mechanical  
Mating Force: 40.0kgf Max  
Unmating Force: 4.4kgf Min  
Durability: 30 cycles

Electrical  
Current:0.5A AC(rms)/DC Max Percontact  
Contact Resistance:55 mΩ(initial), 75mΩ(after) Max  
Dielectric Withstanding Voltage:200 V AC/rms  
Insulation Resistance:100MΩ Min  
Operating Temp:-40℃+85℃

Material  
Housing: Thermoplastic, UL 94V-0  
Contact: Copper Alloy

### Part number Information:

**DW-BTB-F 050 151 WV nP-XX TR - 01**

Dragon Well  
Board to Board  
F:Female  
Pitch 0.50mm  
Series No.  
(01-99)  
WV:Vertical 180°  
WR:Right Angel 90°  
**PINS**

TR:Tape Reel  
Plating  
01:Gold Flash  
05:5u" Gold  
10:10u" Gold  
15:15u" Gold  
30:30u" Gold  
31:Sn  
32:Ni

|         | A     | B     | C     | D     | E     |
|---------|-------|-------|-------|-------|-------|
| 80 PIN  | 26.80 | 22.10 | 19.50 | 23.30 | 22.70 |
| 100 PIN | 31.80 | 27.10 | 24.50 | 28.30 | 27.70 |
| 120 PIN | 36.80 | 32.10 | 29.50 | 33.30 | 32.70 |
| 140 PIN | 41.80 | 37.10 | 34.50 | 38.30 | 37.70 |
| 144 PIN | 42.80 | 38.10 | 35.50 | 39.30 | 38.70 |
| 168 PIN | 48.80 | 44.10 | 41.50 | 45.30 | 44.70 |
| 200 PIN | 56.80 | 52.10 | 49.50 | 53.30 | 52.70 |
| 220 PIN | 61.80 | 57.10 | 54.50 | 58.30 | 57.70 |

|         |     |            |             |        |        |                                             |       |            |         |            |               |                                                                 |
|---------|-----|------------|-------------|--------|--------|---------------------------------------------|-------|------------|---------|------------|---------------|-----------------------------------------------------------------|
|         |     |            |             |        |        | Angle                                       | ±2°   | DESIGN     | Aple    | 2024.12.26 |               | <br>Dragon Well Ele 龍威電子有限公司<br>Dragon Well Electronics Co.,Ltd |
|         |     |            |             |        |        | X.                                          | ±0.35 | CHECK      | Jason   | 2024.12.26 |               |                                                                 |
|         |     |            |             |        |        | X.X                                         | ±0.30 |            |         |            |               |                                                                 |
|         |     |            |             |        |        | X.XX                                        | ±0.25 | APPROVAL   | Jacky   | 2024.12.26 |               |                                                                 |
|         |     |            |             |        |        | X.XXX                                       | ±0.15 |            |         |            |               |                                                                 |
| ECN NO. | REV | DATE       | DESCRIPTION | CHANGE | APPRO. | GENERAL TOLERANCE<br>UNLESS OTHERWISE NOTED |       | SCALE: N/A | UNIT:mm | A4         | SHEET: 1 of 1 | TITLE: 0.5 mm Pitch Board to Board SOCKET H:6.0                 |
|         | A-0 | 2024.12.26 | New         | Aple   | Jacky  |                                             |       |            |         |            |               | MODEL NO. DW-BTB-F050151WVnNp-XXTR-01                           |