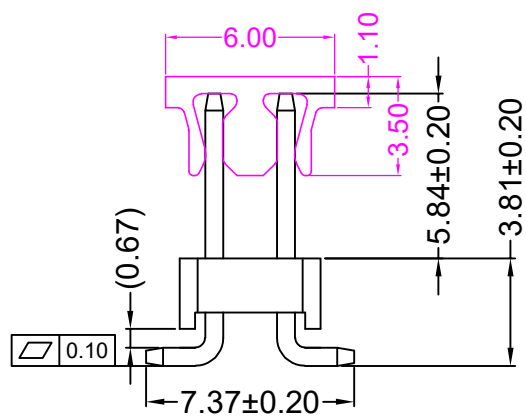
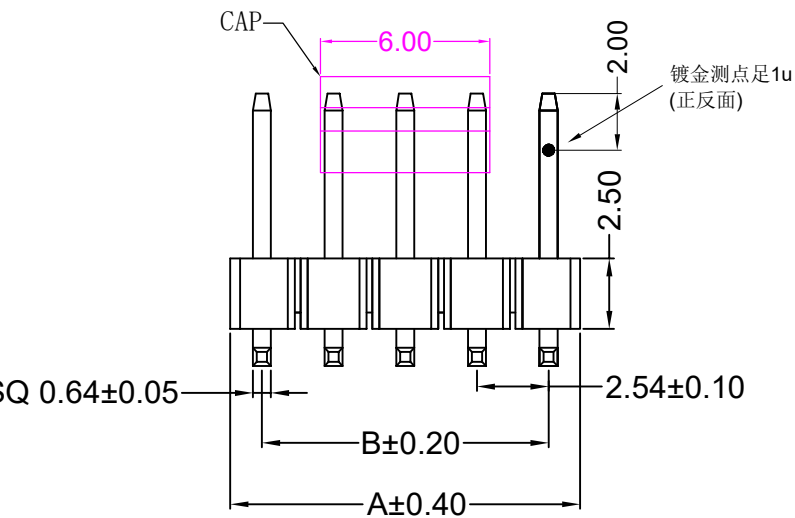
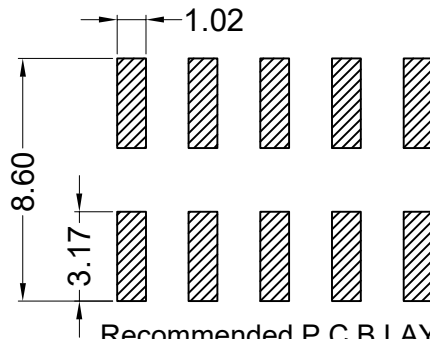
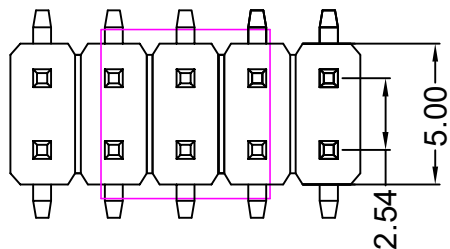




- Specifications(规格) :
- Current rating(额定电流): 3A AC / DC(AWG 24#)
  - Withstanding voltage(耐压值): 1000V AC/minute
  - Temperature range(工作温度): -40°C~+105°C
  - Insulation resistance(绝缘电阻): ≥500MΩ
  - Contact resistance(接触电阻): ≤20mΩ

D 254 9 W - 2\*XX - 7.37 9T B B G  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Letter: Male Header  
② Series No.: 2.54 MM  
③ Code Name  
④ Category: W-Wafer  
⑤ Row No.-Pin No: XX-Dual Row  
2\*01P~2\*40P  
⑥ Width  
⑦ Plastic Material: XX- PAXX, UL94V-0,  
LP- LCP, UL94V-0  
⑧ Color: N-White, R-Red, B-Black, L-Blue  
⑨ Metallic Material: B - Brass  
⑩ Plating Code: Gold plated(1μ)



Recommended P.C.B LAYOUT  
General Tolerance±0.05

| Poles | Dimensions |       | Poles | Dimensions |       |
|-------|------------|-------|-------|------------|-------|
|       | A          | B     |       | A          | B     |
| 2*01  | /          | /     | 2*21  | 53.04      | 50.80 |
| 2*02  | 4.78       | 2.54  | 2*22  | 55.58      | 53.34 |
| 2*03  | 7.32       | 5.08  | 2*23  | 58.12      | 55.88 |
| 2*04  | 9.86       | 7.62  | 2*24  | 60.66      | 58.42 |
| 2*05  | 12.40      | 10.16 | 2*25  | 63.20      | 60.96 |
| 2*06  | 14.94      | 12.70 | 2*26  | 65.74      | 63.50 |
| 2*07  | 17.48      | 15.24 | 2*27  | 68.28      | 66.04 |
| 2*08  | 20.02      | 17.78 | 2*28  | 70.82      | 68.58 |
| 2*09  | 22.56      | 20.32 | 2*29  | 73.36      | 71.12 |
| 2*10  | 25.10      | 22.86 | 2*30  | 75.90      | 73.66 |
| 2*11  | 27.64      | 25.40 | 2*31  | 78.44      | 76.20 |
| 2*12  | 30.18      | 27.94 | 2*32  | 80.98      | 78.74 |
| 2*13  | 32.72      | 30.48 | 2*33  | 83.52      | 81.28 |
| 2*14  | 35.26      | 33.02 | 2*34  | 86.06      | 83.82 |
| 2*15  | 37.80      | 35.56 | 2*35  | 88.60      | 86.36 |
| 2*16  | 40.34      | 38.10 | 2*36  | 91.14      | 88.90 |
| 2*17  | 42.88      | 40.64 | 2*37  | 93.68      | 91.44 |
| 2*18  | 45.42      | 43.18 | 2*38  | 96.22      | 93.98 |
| 2*19  | 47.96      | 45.72 | 2*39  | 98.76      | 96.52 |
| 2*20  | 50.50      | 48.26 | 2*40  | 101.30     | 99.06 |

|      |         |         |     |             |       |          |                                     |                                                               |       |    |            |                               |       |        |     |
|------|---------|---------|-----|-------------|-------|----------|-------------------------------------|---------------------------------------------------------------|-------|----|------------|-------------------------------|-------|--------|-----|
|      |         |         |     |             |       |          | GENERAL TOLERANCE                   | 东莞市翰皓精密电子有限公司<br>DONGGUAN HANHAO PRECISION ELECTRONIC CO.,LTD |       |    |            | PART NO.<br>D2549W-2*XXP-7.37 |       |        |     |
|      |         |         |     |             |       |          | .X ±0.30<br>.XX ±0.20<br>.XXX ±0.10 |                                                               |       |    |            | TITLE<br>2.54 mm Connectors   |       |        |     |
|      |         |         |     |             |       |          | PROJECT                             |                                                               |       |    |            | UNIT                          | SCALE | NUMBER | REV |
| DATE | OLD REV | NEW REV | ECN | DESCRIPTION | CHECK | APPROVAL |                                     | XU                                                            | L.Q.F | LI | 2025/07/29 | MM                            | 1 : 1 | A-198  | A   |
| 1    |         |         | 2   | 3           |       | 4        |                                     | 5                                                             | 6     |    | 7          |                               |       | 8      |     |

RoHS

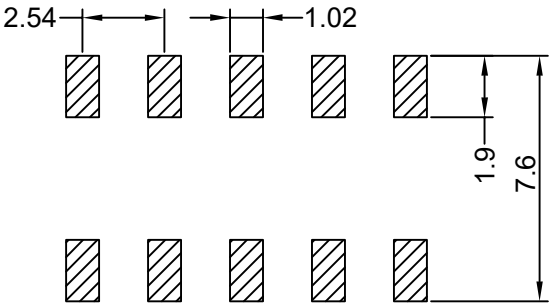
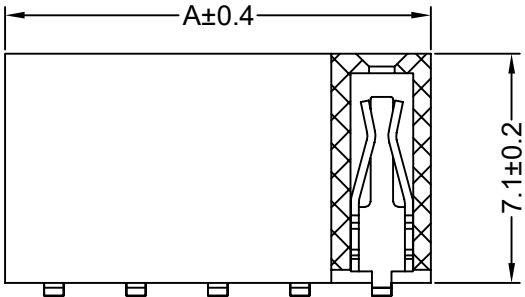
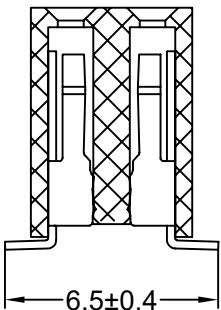
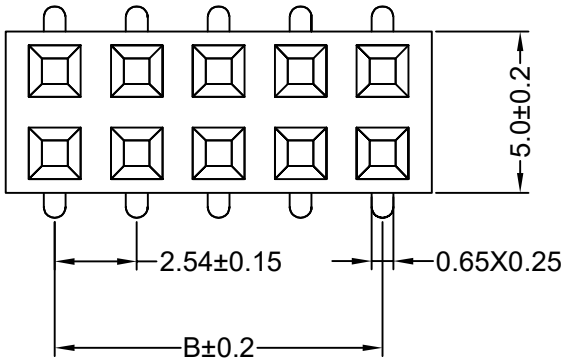
Specifications(规格) :

- Current rating(额定电流): 3A AC / DC(AWG 24#)
- Withstanding voltage(耐压值): 1000V AC/minute
- Temperature range(工作温度): -40°C~+105°C
- Insulation resistance(绝缘电阻): ≥1000MΩ
- Contact resistance(接触电阻): ≤20mΩ

F 254 9 W - 2\*XX - 6.5 9T B CA G  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

- ① Letter: Female Header  
② Series No.: 2.54 MM  
③ Code Name  
④ Category: W-Wafer  
⑤ Row No.-Pin No: 2\*XX-Dual Row  
2\*01P~2\*40P  
⑥ Width  
⑦ Plastic Material: XX- PAXX, UL94V-0,  
LP- LCP, UL94V-0  
⑧ Color: N-White, R-Red, B-Black, L-Blue  
⑨ Metallic Material: CA - Copper Alloy  
⑩ Plating Code: Gold plated(1μ)

| Poles | Dimensions |       | Poles | Dimensions |       |
|-------|------------|-------|-------|------------|-------|
|       | A          | B     |       | A          | B     |
| 2*01  | /          | /     | 2*21  | 53.84      | 50.80 |
| 2*02  | 5.08       | 2.54  | 2*22  | 56.38      | 53.34 |
| 2*03  | 7.62       | 5.08  | 2*23  | 58.92      | 55.88 |
| 2*04  | 10.16      | 7.62  | 2*24  | 61.46      | 58.42 |
| 2*05  | 13.20      | 10.16 | 2*25  | 64.00      | 60.96 |
| 2*06  | 15.74      | 12.70 | 2*26  | 66.54      | 63.50 |
| 2*07  | 18.28      | 15.24 | 2*27  | 69.08      | 66.04 |
| 2*08  | 20.82      | 17.78 | 2*28  | 71.62      | 68.58 |
| 2*09  | 23.36      | 20.32 | 2*29  | 74.16      | 71.12 |
| 2*10  | 25.90      | 22.86 | 2*30  | 76.70      | 73.66 |
| 2*11  | 28.44      | 25.40 | 2*31  | 79.24      | 76.20 |
| 2*12  | 30.98      | 27.94 | 2*32  | 81.78      | 78.74 |
| 2*13  | 33.52      | 30.48 | 2*33  | 84.32      | 81.28 |
| 2*14  | 36.06      | 33.02 | 2*34  | 86.86      | 83.82 |
| 2*15  | 38.60      | 35.56 | 2*35  | 89.40      | 86.36 |
| 2*16  | 41.14      | 38.10 | 2*36  | 91.94      | 88.90 |
| 2*17  | 43.68      | 40.64 | 2*37  | 94.48      | 91.44 |
| 2*18  | 46.22      | 43.18 | 2*38  | 97.02      | 93.98 |
| 2*19  | 48.76      | 45.72 | 2*39  | 99.56      | 96.52 |
| 2*20  | 51.30      | 48.26 | 2*40  | 102.10     | 99.06 |



PCB LAYOUT

|      |         |         |     |             |       |          |                   |       |                                              |       |       |            |                    |       |        |     |
|------|---------|---------|-----|-------------|-------|----------|-------------------|-------|----------------------------------------------|-------|-------|------------|--------------------|-------|--------|-----|
|      |         |         |     |             |       |          | GENERAL TOLERANCE |       | 东莞市翰皓精密电子有限公司                                |       |       |            | PART NO.           |       |        |     |
|      |         |         |     |             |       |          | .X                | ±0.30 | DONGGUAN HANHAO PRECISION ELECTRONIC CO.,LTD |       |       |            | F2549W-2*XXP-6.5   |       |        |     |
|      |         |         |     |             |       |          | .XX               | ±0.20 |                                              |       |       |            | TITLE              |       |        |     |
|      |         |         |     |             |       |          | .XXX              | ±0.10 |                                              |       |       |            | 2.54 mm Connectors |       |        |     |
| DATE | OLD REV | NEW REV | ECN | DESCRIPTION | CHECK | APPROVAL | PROJECT           |       | APPROVAL                                     | CHECK | DRAWN | DATA       | UNIT               | SCALE | NUMBER | REV |
|      |         |         |     |             |       |          | PROJECT           |       | XU                                           | L.Q.F | LI    | 2025/07/29 | MM                 | 1 : 1 | A-198  | A   |