

## NOTES:

1. HOUSING MATERIAL: HIGH-TEMP THERMOPLASTIC  
UL94V-0 COLOR: BLACK
2. CONTACT MATERIAL: PHOSPHOR BRONZE
3. CONTACT PLATING: 1u" GOLD FLASH ON CONTACT AREA  
50u" NI UNDER PLATING OVERALL
4. CO-PLANARITY FOR CONTACT TAILS MUST BE 0.1mm MA
5. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK  
TEMPERATURE FOR 10SECONDS IN A REFLOW SOLDERING OVEN
6. PART NUMBER DESCRIPTION:

10165431-X XXX X X LF

LF: LEAD FREE

PACKAGING

0. TAPE AND REEL WITH CAP

CONTACT PLATING

0. GOLD FLASH

PIN NUMBER

010: 2X5PIN

020: 2X10PIN

100: 2X50PIN

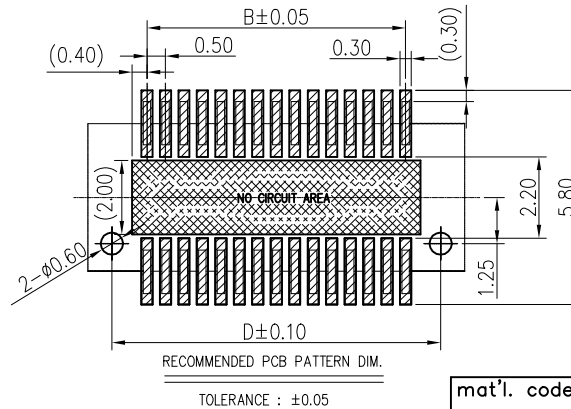
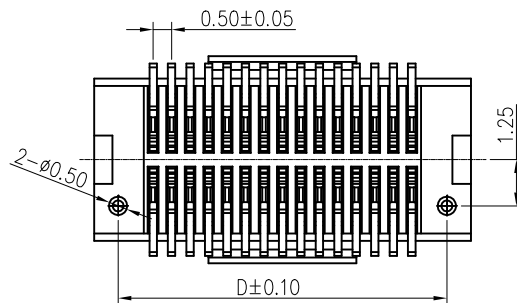
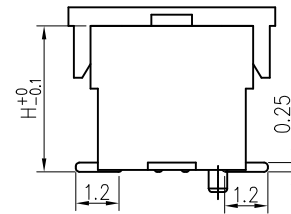
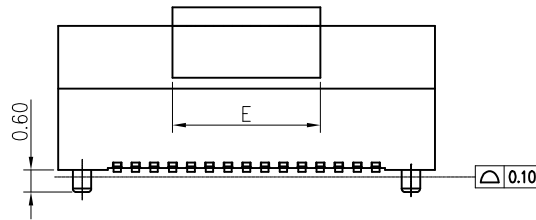
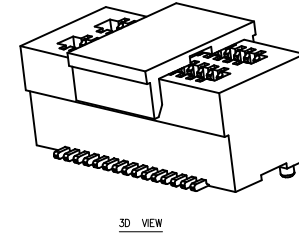
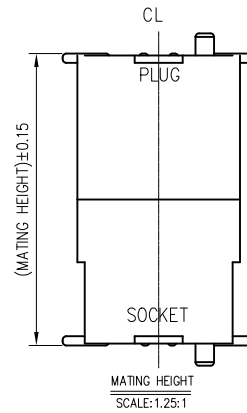
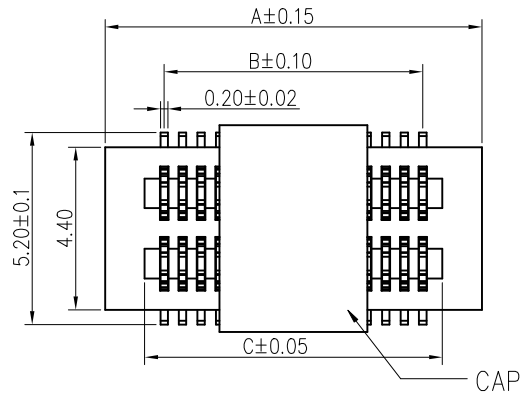
SOCKET HEIGHT

1: 3.0MM



2: 3.5MM

3: 4.0MM

4: 4.5MM



| MATING<br>HEIGHT | PLUG<br>(H.) | SOCKET<br>(H.) | NO. of<br>contacts | Dimensions |       |       |       |      |
|------------------|--------------|----------------|--------------------|------------|-------|-------|-------|------|
|                  |              |                |                    | A.         | B.    | C.    | D.    | E.   |
| 7.0              | 4.0          | 3.0            | 10                 | 5.20       | 2.00  | 3.06  | 3.90  | 4.00 |
| 7.5              | 4.0          | 3.5            | 20                 | 7.70       | 4.50  | 5.56  | 6.40  |      |
| 8.0              | 4.0          | 4.0            | 30                 | 10.20      | 7.00  | 8.06  | 8.90  |      |
| 8.5              | 4.0          | 4.5            | 40                 | 12.70      | 9.50  | 10.56 | 11.40 |      |
| 8.5              | 4.0          | 4.5            | 50                 | 15.20      | 12.00 | 13.06 | 13.90 | 8.00 |
|                  |              |                | 60                 | 17.70      | 14.50 | 15.56 | 16.40 |      |
|                  |              |                | 70                 | 20.20      | 17.00 | 18.06 | 18.90 |      |
|                  |              |                | 80                 | 22.70      | 19.50 | 20.56 | 21.40 |      |
|                  |              |                | 90                 | 25.20      | 22.00 | 23.06 | 23.90 |      |
|                  |              |                | 100                | 27.70      | 24.50 | 25.56 | 26.40 |      |
|                  |              |                | 110                | 30.20      | 27.00 | 28.06 | 28.90 |      |

|             |        |                |            |                                       |             |                               |   |   |          |                            |              |      |  |
|-------------|--------|----------------|------------|---------------------------------------|-------------|-------------------------------|---|---|----------|----------------------------|--------------|------|--|
| mat'l. code |        |                |            | surface<br>ISO 1302 ✓                 |             | tolerance<br>ISO 406 ISO 1101 |   | projection<br> |          | product family<br>Bergstak |              |      |  |
| ltr         | ecn no | dr             | date       | tolerances unless otherwise specified |             | angles                        |   | linear  |          | title                      |              |      |  |
| A           | -      | SF             | 2024/03/26 |                                       |             |                               |   |   |          | 0.5mm PITCH BTB CONNECTOR  |              |      |  |
|             |        |                |            |                                       |             | 0°±2'                         |   |   |          | SOCKET                     |              |      |  |
|             |        |                |            |                                       |             |                               |   | mm  |          |                            |              |      |  |
|             |        |                |            |                                       |             |                               |   | scale 1:1   |          |                            |              |      |  |
|             |        |                |            | dr                                    | Sanford Lu  | 2024/03/26                    |  |   | dwg no   |                            | sheet 1 of 1 | size |  |
|             |        |                |            | eng                                   | Sanford Lu  | 2024/03/26                    |   |   | 10165431 |                            | A3           |      |  |
|             |        |                |            | chr                                   | Li-Qing Lei | 2024/03/26                    |   |   |          |                            |              |      |  |
|             |        |                |            | app'd                                 | Tim Yao     | 2024/03/26                    |   |   |          |                            |              |      |  |
| sheet index |        | revision sheet |            | A                                     | 1/1         |                               |   |   |          |                            |              |      |  |