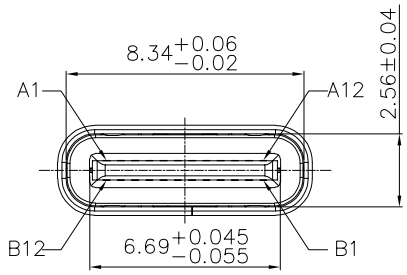
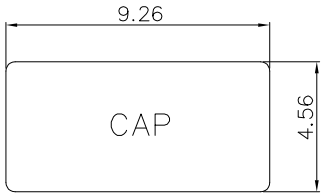
RoHS Compliant

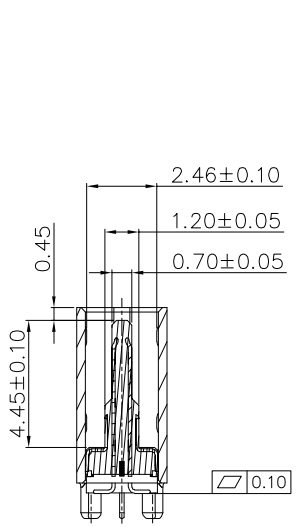
| REV. | MODIFICATION | ECN No. | NAME | DATE |
|---|---|---|---|---|
| A0 | NEW | | LEN.SONG | 2022.01.05 |
| | | | | |
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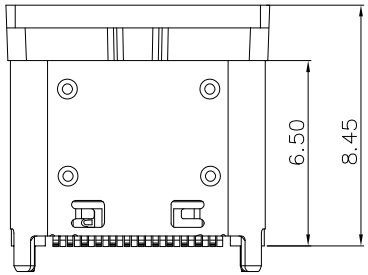


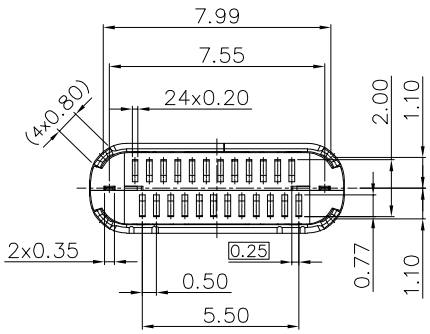



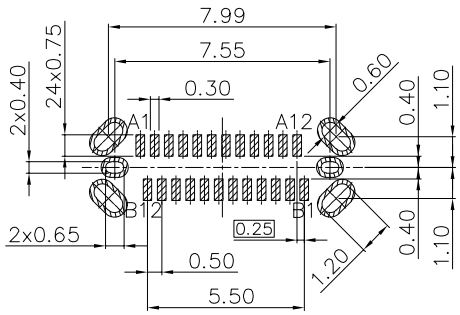

SPECIFICATION:
1、ELECTRICAL:
1.1 CURRENT RATING:5A;
1.2 VOLTAGE RATING:48V DC
1.3 CONTACT RESISTANCE:40mΩ Max;
1.4 DIELECTRIC WITHSTANDING VOLTAGE:100V AC;
1.5 INSULATION RESISTANCE:100 MΩ MIN;
2、MECHANICAL;
2.1 MATING FORCE:5~20N;
2.2 UNMATING FORCE:8~20N;
2.3 DURABILITY:10000 CYCLES;6~20N AFTER DURABILITY TEST;
3、MATERIAL:
3.1 HOUSING&MOLDING: LCP BLACK UL94V−0;
3.2 TERMINAL:C18400 T=0.12mm;
3.3 SHELL:SUS304 T=0.30mm;
3.4 MID PLATE:SUS301 T=0.15mm;
4、PLATING SPECIFICATION:
4.1 TERMINAL:CONTACT POINT GOLD PLATED 3u "MIN
PIN WELDING AREA GOLD PLATED 1u" MIN.
NI 40u" Min. UNDER PLATED OVER ALL.
4.2 SHELL:PLATED Ni 50u" MIN(Salt spray 48H)
5、ELECTROPLATED PRODUCTS NEED TO UNDERGO TIN ADHESION TESTING: THE TIN ADHESION AREA SHOULD REACH OVER 95%.
6、SMT REFLOW SOLDERING (PEAK VALUE 260 °C ± 5 ° C) SHALL BE FREE OF BLISTERING, GLUE MELTING AND POOR COLOR CHANGE (DEFORMATION WITHIN TOLERANCE)
7、OPERATING TEMPERATURE：−40°C~+85°C



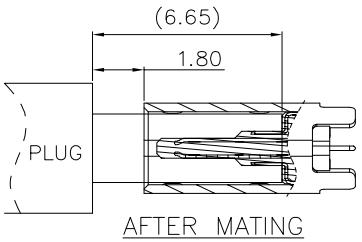



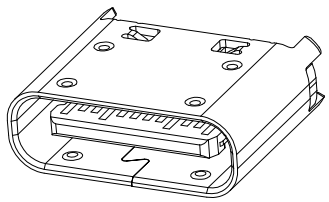



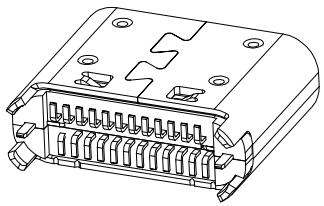

RECOMMENDED P.C.B. LAYOUT




AFTER MATING

| | | | |
|---|---|---|---|
| A1 | GND | B12 | GND |
| A2 | TX1+ | B11 | RX1+ |
| A3 | TX1− | B10 | RX1− |
| A4 | VBUS | B9 | VBUS |
| A5 | CC1 | B8 | SBU2 |
| A6 | D+ | B7 | D− |
| A7 | D− | B6 | D+ |
| A8 | SBU1 | B5 | CC2 |
| A9 | VBUS | B4 | VBUS |
| A10 | RX2− | B3 | TX2− |
| A11 | RX2+ | B2 | TX2+ |
| A12 | GND | B1 | GND |
| PIN | SIGNAL NAME | PIN | SIGNAL NAME |





广东咏华科技有限公司
Guangdong Yonghua Technology Co., Ltd

| | | | |
|---|---|---|---|
| X. ±0.20 | ANGLES ±2° | INTENDED USE: | TITLE: TYPE-C 24P母座 立贴H=6.5 外壳四脚直插 端子脚宽2.0 中夹片有焊脚 无Logo款 黑色LCP 端子C18400 接触3u"焊脚1u" 外壳SUS304 卷装 |
| X.x ±0.15 | | | |
| X.xx ±0.10 | | | |
| X.xxx ±0.05 | | APPD.: | PART NO.: YH-002125 |
| MAT'L.: SEE NOTES | | CHKD.: | DWG. NO.: |
| FINISH: | | DR.: Len.Song | SCALE: 1:1 PAGE: 1/1 |
| | | | UNIT: mm REV.: A0 |