



RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm

NOTE:

1. MATERIAL SPECIFICATION:
 1. HOUSING: LCP+30%G.F, UL94 V-0.
 2. CONTACTS: PHOSPHOR BRONZE, Ni/Au PLATED
 3. FRONT SHELL: STAINLESS STEEL, Ni or Sn PLATED
2. MECHANICAL PERFORMANCE,
 - 2-1. INSERTION FORCE: 3.57kgf MAX.
 - 2-2. REMOVAL FORCE: 1.02kgf MIN.
 - 2-3. LIFE: 10000 CYCLES.
3. ELECTRICAL PERFORMANCE,
 - 3-1. CURRENT RATING: 0.5A
 - 3-2. CONTACT RESISTANCE: 30MΩ MAX
 - 3-3. INSULATION RESISTANCE: 100MΩ MIN
 - 3-4. DIELECTRIC WITHSTAND VOLTAGE, AC 250V
4. ENVIRONMENTAL PERFORMANCE:
 - OPERATING TEMPERATURE: -25°C~+85°C.

| | | | |
|-----|-------------|-----|-------------|
| A1 | GND | B12 | GND |
| A4 | VBUS | B9 | VBUS |
| A5 | CC1 | B8 | SBU2 |
| A6 | DP1 | B7 | DN2 |
| A7 | DN1 | B6 | DP2 |
| A8 | SBU1 | B5 | CC2 |
| A9 | VBUS | B4 | VBUS |
| A12 | GND | B1 | GND |
| PIN | SIGNAL NAME | PIN | SIGNAL NAME |

| APPROVALS | | DATE | | HRO 翰源® ELECTRONICS CO., LTD | | | |
|----------------|--------|-----------|-------|---------------------------------|----------------|-------|--------|
| DRAWN | LIUCAN | 2021.5.18 | | TITLE: | USB CONNECTOR | | |
| CHECKED | | | | PART NO. | TYPE-C-31-D-09 | | |
| APPROVALS | | | | UNIT: mm | SCALE: 1:1 | PROJ: | |
| TOLERANCES ARE | | 30~以上 | ±0.30 | ANGLE | DRAWING NO. | SHEET | 1 OF 1 |
| | | 10~30 | ±0.25 | | | | |
| | | 5~10 | ±0.20 | | | | |
| | | ~ 5 | ±0.15 | ±2' | | | |

| ECN NO. | REV. | DATE. | DESCRIPTION. | CHANGE. | CHECK. | APPRO. |
|---------|------|-------|--------------|---------|--------|--------|
| | A | | NEW | | | |