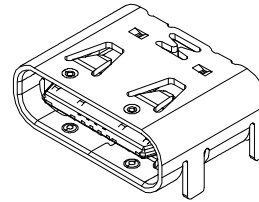
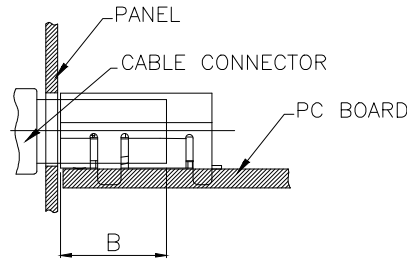
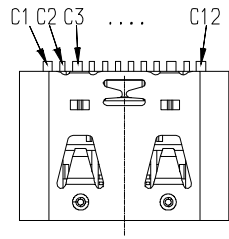
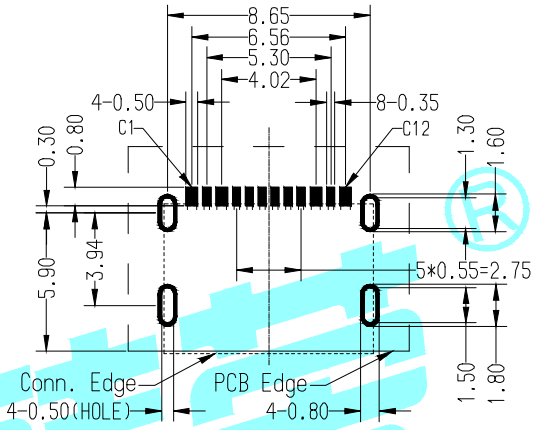


ROHS

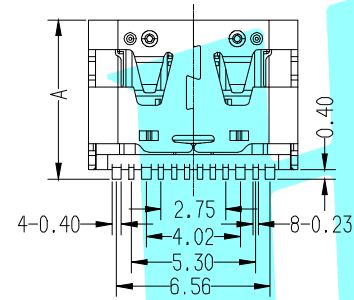
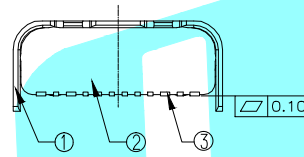
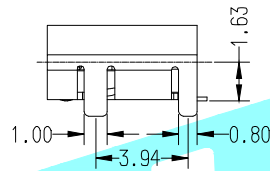
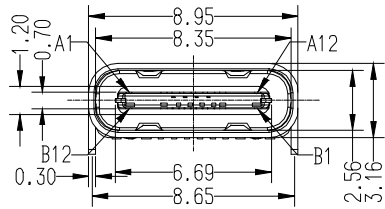


RECESSED MOUNTING CONFIGURATION



RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

PCB THICKNESS: 0.80±0.05mm
 DEFAULT TOLERANCE: ±0.05mm



INTERFACE (FRONT VIEW)

| A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 |
|-----|-----|-----|------------------|------|----|----|------|------------------|-----|-----|-----|
| GND | / | / | V _{BUS} | CC1 | D+ | D- | SBU1 | V _{BUS} | / | / | GND |
| GND | / | / | V _{BUS} | SBU2 | D- | D+ | CC2 | V _{BUS} | / | / | GND |
| B12 | B11 | B10 | B9 | B8 | B7 | B6 | B5 | B4 | B3 | B2 | B1 |

NOTES:

- ELECTRICAL CHARACTERISTICS:
 - CONTACT CURRENT RATING:
 5.0A FOR V_{BUS} PIN AND GND PIN.
 0.25A MIN FOR ALL OTHER TERMINALS.
 - CONTACT RESISTANCE:
 30MILLIOHM MAX FOR V_{BUS} AND GND CONTACTS.
 50MILLIOHM MAX FOR ALL OTHER CONTACTS.
 - DIELECTRIC WITHSTANDING VOLTAGE: 100 VRMS AC MIN.
 - INSULATION RESISTANCE: 100 MEGOHMS MIN.
- MECHANICAL CHARACTERISTICS:
 - CONNECTOR INSERTION FORCE: 5~20N.
 AT A MAXIMUM RATE OF 12.5MM PER SECOND.
 - CONNECTOR EXTRACTION FORCE: 8~20N.
 AT A MAXIMUM RATE OF 12.5MM PER SECOND.
 - DURABILITY: 10000 CYCLES.
 - OPERATING TEMPERATURE: -55° C TO +85° C.
- RECOMMENED PROCESS: IR REFLOW 260° C, 3~5SECONDS.
- THE CONNECTOR IS ROHS COMPLIANT.

| ITEM | PART No. | Dim A | Dim B |
|------|----------------|-------|-------|
| 1 | TYPE-C-31-M-23 | 6.50 | 4.40 |
| 2 | TYPE-C-31-M-24 | 6.80 | 4.70 |
| 3 | TYPE-C-31-M-25 | 8.30 | 6.20 |

PIN ASSIGNMENT:

| Pin No. | A1&B12 | A5 | A4&B9 | A6 | B8 | B7 | B6 | B5 | A7 | A9&B4 | A8 | A12&B1 |
|-------------|--------|-----|------------------|----|------|----|----|-----|----|------------------|------|--------|
| Signal Name | GND | CC1 | V _{bus} | D+ | SBU2 | D- | D+ | CC2 | D- | V _{bus} | SBU1 | GND |
| PCB PAD No. | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 |

| ③ | Shell | — | 1 | STAINLESS STEEL | Ni Plated |
|------|-----------|---------|------|-----------------|-----------|
| ② | Contact | — | 12 | COPPER ALLOY | Au Plated |
| ① | Housing | — | 1 | LCP | Black |
| ITEM | PART NAME | TER'NO. | QTY. | MATERIAL | FINISHING |

| APPROVALS | | DATE | | ELECTRONICS CO.,LTD | | | | |
|-----------|------------|------------|--|-------------------------|-------|-------------|---------------|--------------|
| DRAWN | JIANKUN.LU | 2018.08.01 | | | | TITLE: | USB CONNECTOR | |
| CHECKED | | | | PART NO. | | | | |
| APPROVALS | | | | TOLERANCES ARE | | | | |
| | | | | 30~以上 ±0.30 | ANGLE | UNIT: mm | SCALE: 1:1 | PROJ: |
| | | | | 10~30 ±0.25 | | DRAWING NO. | | SHEET 1 OF 1 |
| | | | | 5~10 ±0.20 | | | | |
| | | | | ~ 5 ±0.15 | ±2' | | | |

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