

RECOMMENDED P.C.B. LAYOUT (T:1.00mm)
TOLERANCE UNSPECIFIED ±0.05mm
SCALE: 2:1

| H | PART NO. |
|------|----------------|
| 9.3 | TYPE-C-31-M-06 |
| 10.5 | TYPE-C-31-M-07 |

1. ELECTRICAL:
CURRENT: 5A MIN FOR VBUS;
0.25A MIN FOR OTHER.
VOLTAGE: 20 V MAX
WITHSTANDING VOLTAGE: 100V AC.
CONTACT RESISTANCE: 40mΩ MAX.
INSULATION RESISTANCE: 100MΩ MIN.
2. MECHANICAL:
INSERTION: 5~20N.
EXTRACTION: 8~20N.
DURABILITY: 10000 CYCLES

| ITEM | PART NAME | TER'NO. | QTY. | MATERIAL | FINISHING | REMARK |
|------|-----------|---------|------|-----------------|--------------|--------|
| ③ | Shell | — | 1 | STAINLESS STEEL | Ni Plated | |
| ② | Contact | — | 24 | COPPER ALLOY | Au/Ag Plated | |
| ① | Housing | — | 1 | LCP | Black | |

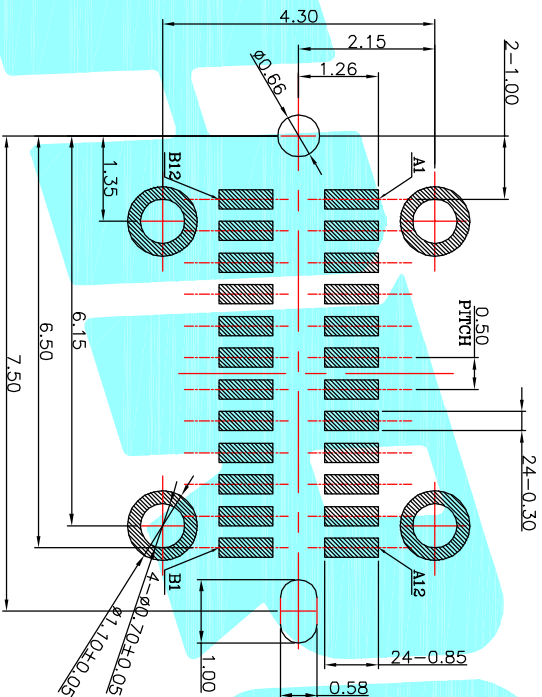
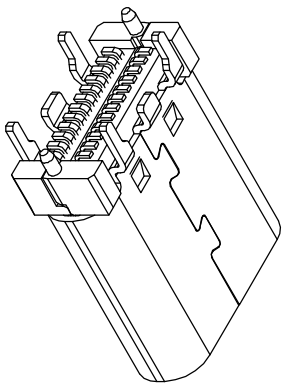
| APPROVALS | DATE | TITLE: |
|---------------|-----------|---------------|
| DRAWN JKUN,LU | 2016.5.29 | USB CONNECTOR |

ELECTRONICS CO.,LTD

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

| APPROVALS | PART NO. | SCALE: | SHEET |
|----------------|----------------|--------|--------|
| TOLERANCES ARE | TYPE-C-31-M-06 | 1:1 | 1 OF 1 |
| 30~0.15 | | | |
| 10~30 | | | |
| 5~10 | | | |
| ~5 | | | |
| ±0.30 | | | |
| ±0.25 | | | |
| ±0.20 | | | |
| ±0.15 | | | |
| ANGLE | | | |
| UNIT: mm | | | |
| DRAWING NO. | | | |

USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS



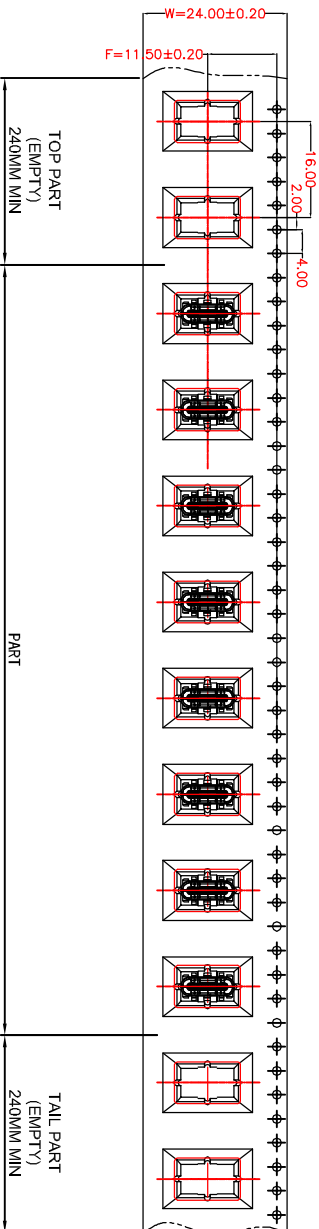
RECOMMENDED P.C.B. LAYOUT (T:1.00mm)
TOLERANCE UNSPECIFIED ±0.05mm
SCALE: 2:1

| PIN | Signal Name | Description | PIN | Signal Name | Description |
|-----|-------------|---|-----|-------------|---|
| A1 | GND | Ground return | B12 | GND | Ground return |
| A2 | SSTXp1 | Positive half of first SuperSpeed TX differential pair | B11 | SSRXp1 | Positive half of first SuperSpeed RX differential pair |
| A3 | SSTXn1 | Negative half of first SuperSpeed TX differential pair | B10 | SSRXn1 | Negative half of first SuperSpeed RX differential pair |
| A4 | Vbus | Bus Power | B9 | Vbus | Bus Power |
| A5 | CC1 | Configuration Channel | B8 | SMU2 | Sideband Use (SBU) |
| A6 | Dp1 | Positive half of the USB 2.0 differential pair-Position 1 | B7 | Dn2 | Negative half of the USB 2.0 differential pair-Position 2 |
| A7 | Dn1 | Negative half of the USB 2.0 differential pair-Position 1 | B6 | Dp2 | Positive half of the USB 2.0 differential pair-Position 2 |
| A8 | SBU1 | Sideband Use (SBU) | B5 | CC2 | Configuration Channel |
| A9 | Vbus | Bus Power | B4 | Vbus | Bus Power |
| A10 | SSRXn2 | Negative half of second SuperSpeed RX differential pair | B3 | SSTXn2 | Negative half of second SuperSpeed TX differential pair |
| A11 | SSRXp2 | Positive half of second SuperSpeed RX differential pair | B2 | SSTXp2 | Positive half of second SuperSpeed TX differential pair |
| A12 | GND | Ground return | B1 | GND | Ground return |

| APPROVALS | | DATE | TITLE: | |
|----------------|---------|---------------------|---------------------|--------------------|
| DRAWN | JKUNJLU | 2016.5.29 | ELECTRONICS CO.,LTD | |
| CHECKED | | | | |
| APPROVALS | | | PART NO. | |
| TOLERANCES ARE | | 30 ^{±0.15} | ±0.30 | ANGLE |
| | | 10 ^{±0.10} | ±0.25 | UNIT: mm |
| | | 5 ^{±0.10} | ±0.20 | SCALE: 1:1 |
| | | ~ 5 | ±0.15 | DRAWING NO. |
| | | | | PROJ. SHEET 1 OF 1 |

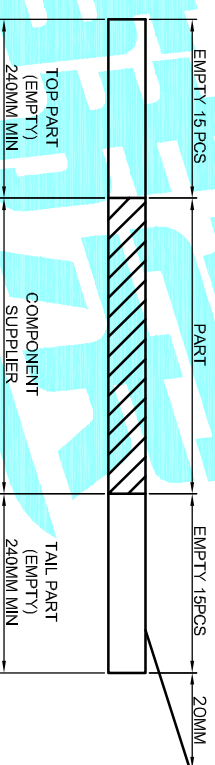
| ECN NO. | REV. | DATE. | DESCRIPTION. |
|---------|------|-------|--------------|
| | A | | NEW |

| CHANGE. | CHECK. | APPRO. |
|---------|--------|--------|
| | | |

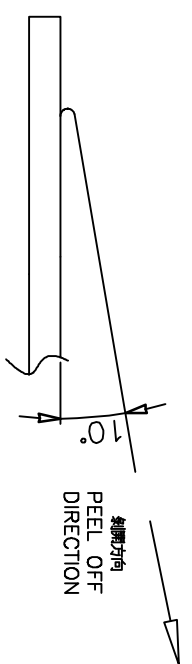
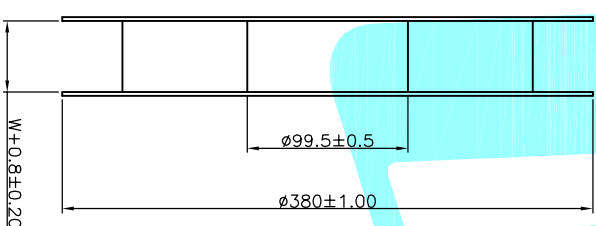
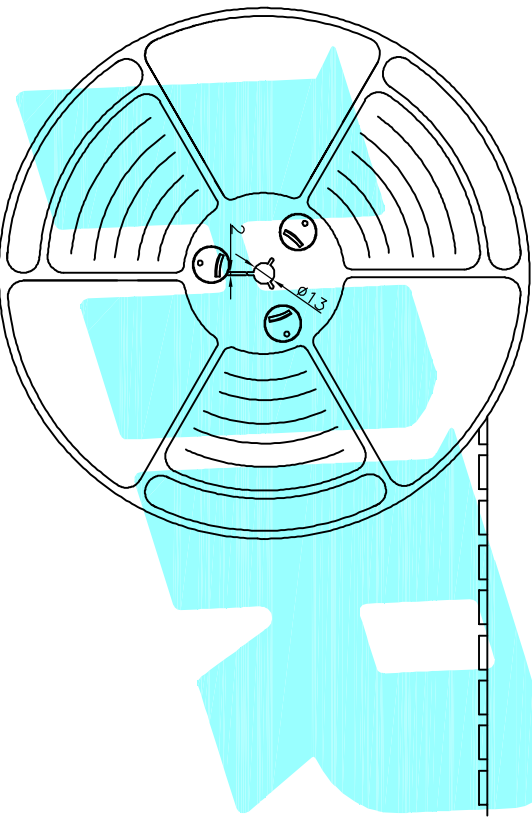


NOTES

1. 帶子引導長度
LEAD TAPE LENGTH
出料方向
PULL OUT DIRECTION



2. 上帶 剝力為：0.1~1.3N(10.2gf~130gf)
PEELING OFF FORCE OF TOP TAPE: 0.1~1.3N(10.2gf~130gf)
注意：出貨運輸過程中一定注意：
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT：
卷帶在運輸過程中不能數開
PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION



| | | | | | |
|----------------|------|-----------|--------------|---------------------|--------------------|
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| CHECKED | | | | | |
| APPROVALS | | | | PART NO. | |
| TOLERANCES ARE | | 30~以上 | ±0.30 | ANGLE | |
| | | 10~30 | ±0.25 | UNIT: mm | SCALE: 1:1 |
| | | 5~10 | ±0.20 | DRAWING NO. | PROJ. SHEET 1 OF 1 |
| | | ~ 5 | ±0.15 | | |
| ECN NO. | REV. | DATE. | DESCRIPTION. | CHANGE. | CHECK. |
| | A | | NEW | | |