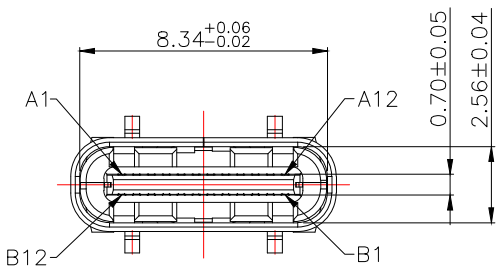
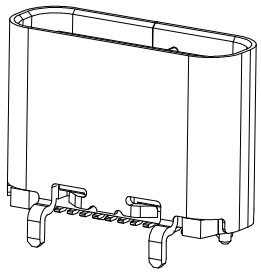
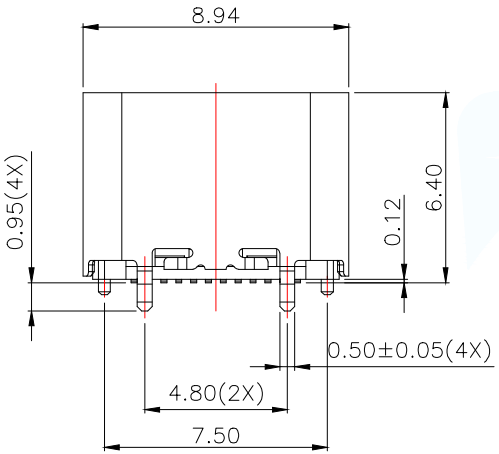
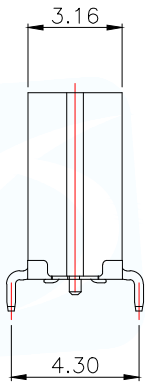
ROHS Compliant

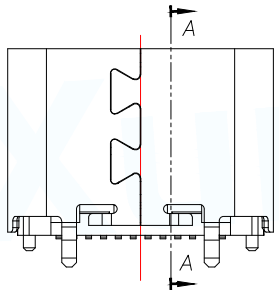
| MAPX | MODIFICATION | DATE | DRAW | APPROVE |
|---|---|---|---|---|
| | | | | |

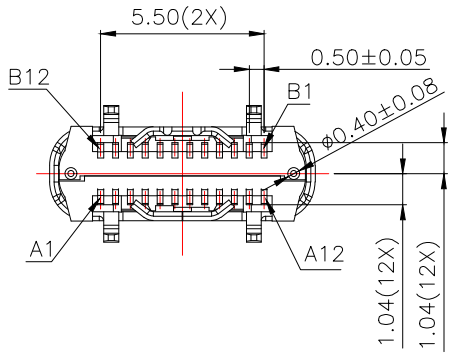


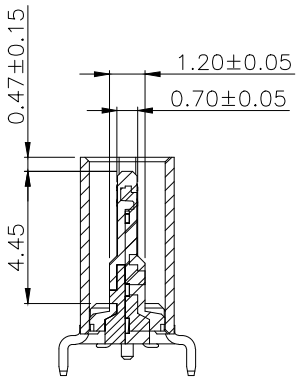






SECTION:A−A

NOTE:
1.MATERIAL SPECIFICATION:
1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V−0.
2.TERMINAL: COPPER ALLOY(C1814)
3.MID PLATE: STAINLESS STEEL(SUS301)
4.FRONT SHELL: STAINLESS STEEL(SUS304)
2.PLATING SPECIFICATION:
2−1.TERMINAL:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
CONTACT FUNCTIONAL AREA PLATED : Au 3u"
CONTACT SOLDER AREA PLATED : Au G/F"
2−2.FRONT SHELL:
Ni 50u" MIN. UNDER PLATED OVER ALL.
2−3.MID PLATE:
CLEAR ONLY
3.MECHANICAL PERFORMANCE,
3−1.INSERTION FORCE: 0.5~2.0kgf.
3−2.REMOVAL FORCE: 0.8kgf~2.0kgf.
3−3.DURABILITY: 10000 CYCLES.
4.ELECTRICAL PERFORMANCE,
4−1. VOLTAGE RATING:5 V DC/AC (RMS. max)
CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;
1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.
4−2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
4−3.INSULATION RESISTANCE: 100MΩ MIN
4−4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
5. ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: −40°C~+85°C.
6.IR REFLOW:
THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C.

| | | | | | |
|---|---|---|---|---|---|
| MANUFACTURE DWG | | 东莞市讯普电子科技有限公司 DongGuan XunPu Electronics Co,Ltd | | | |
| UNLESS OTHERWISE SPECIFED TOLERANCES | | | TITLE: USB CF 24PIN VERTICAL W/O EMI SPRING,HIGHT 6.4 | | |
| | | | PAR | TYPEC−504DSL−ACP24 | |
| DECIMALS: | ANGLES: | | DWN | | |
| .X:±0.30 | X.°:±10° | | CHKD | | |
| .XX:±0.20 | .X°:±8° | | APVD | | |
| .XXX:±0.10 | .XX°:±5° | CUSTOMER COPY | SCALE1:1 | UNIT:MM | |
| | | | SIZE:A4 | SHEET:1F1 | REV:A |

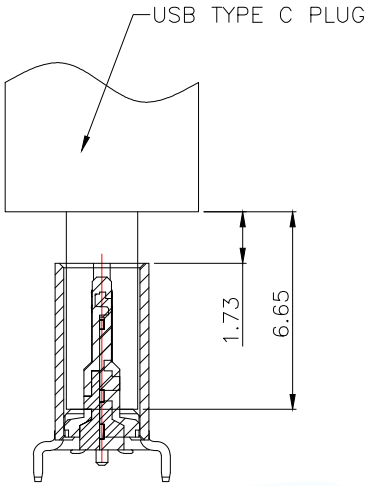
ROHS Compliant

| MAPX | MODIFICATION | DATE | DRAW | APPROVE |
|---|---|---|---|---|
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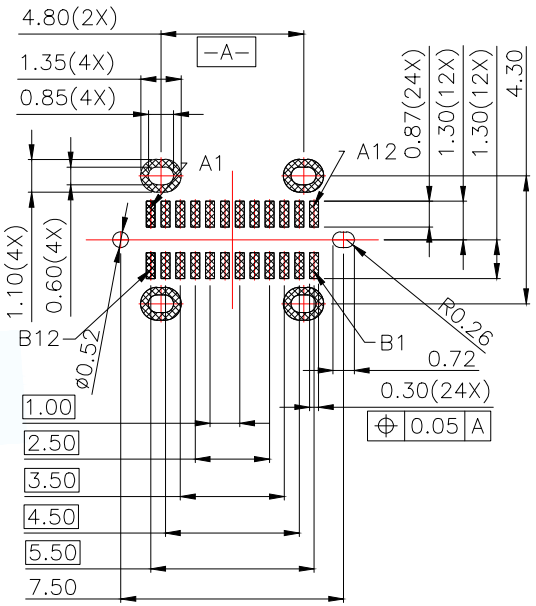
## USB TYPE-C PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME |
|---|---|
| A1 | GND |
| A2 | SSTXp1 |
| A3 | SSTXn1 |
| A4 | VBUS |
| A5 | CC1 |
| A6 | Dp1 |
| A7 | Dn1 |
| A8 | SBU1 |
| A9 | VBUS |
| A10 | SSRXn2 |
| A11 | SSRXp2 |
| A12 | GND |

| PIN NUMBER | SIGNAL NAME |
|---|---|
| B12 | GND |
| B11 | SSRXp1 |
| B10 | SSRXn1 |
| B9 | VBUS |
| B8 | SBU2 |
| B7 | Dn2 |
| B6 | Dp2 |
| B5 | CC2 |
| B4 | VBUS |
| B3 | SSTXn2 |
| B2 | SSTXp2 |
| B1 | GND |

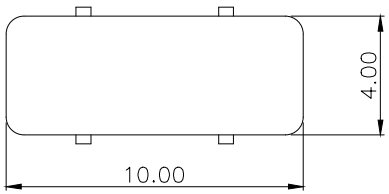


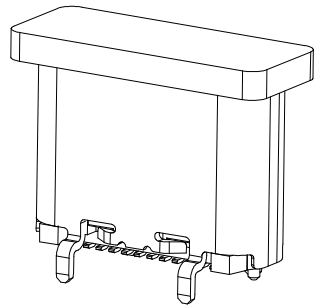

FEMALE AND MALE MATCHING DRAWING

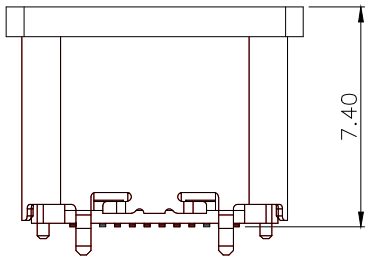



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.8±0.10MM;DEFAULT TOLERANCE:±0.05



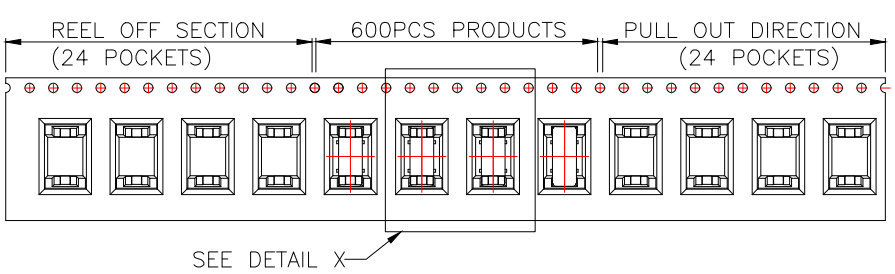


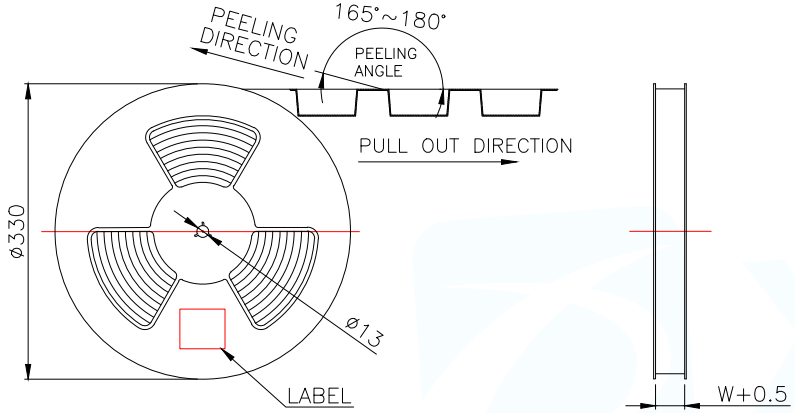

WITH COVER SCHEMATIC

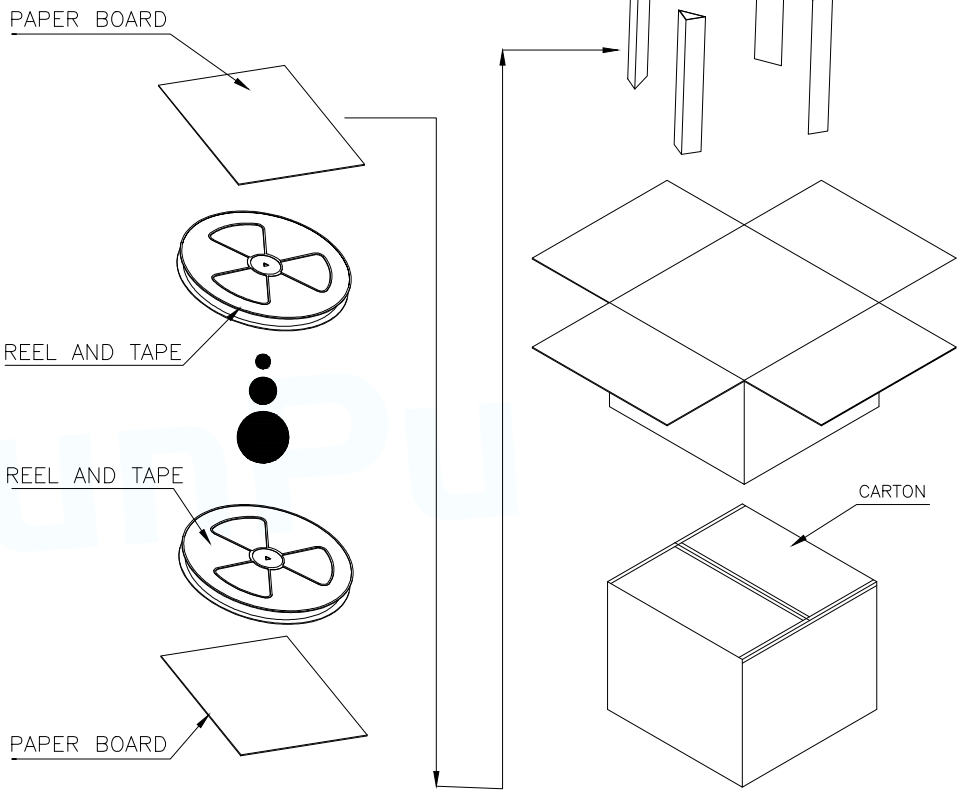
| | | | |
|---|---|---|---|
| MANUFACTURE DWG | 东莞市讯普电子科技有限公司 DongGuan XunPu Electronics Co,Ltd | | |
| UNLESS OTHERWISE SPECIFED TOLERANCES | | TITLE: USB CF 24PIN VERTICAL W/O EMI SPRING,HIGHT 6.4 | |
| DECIMALS: | ANGLES: | PAR | TYPEC-504DSL-ACP24 |
| .X:±0.30 | X.°:±10° | DWN | |
| .XX:±0.20 | .X°:±8° | CHKD | |
| .XXX:±0.10 | .XX°:±5° | APVD | |
| CUSTOMER COPY | | SCALE1:1 / UNIT:MM | |
| | | SIZE:A4 / SHEET:1F1 | REV:A |

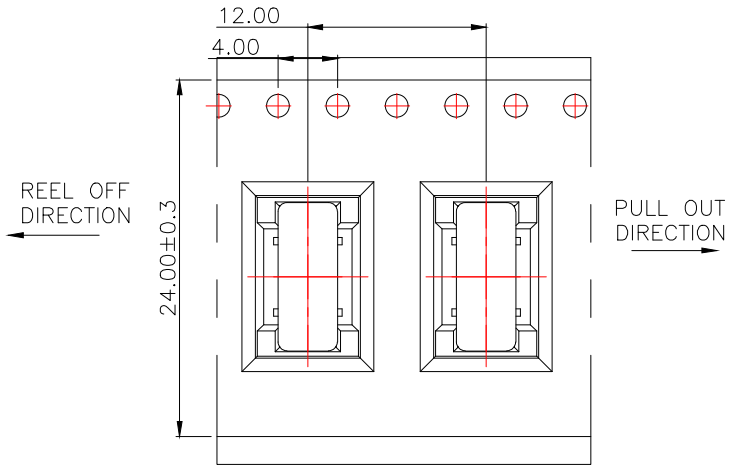
ROHS Compliant

| MAPX | MODIFICATION | DATE | DRAW | APPROVE |
|---|---|---|---|---|
| | | | | |




| | REEL/TRAY | CARTON |
|---|---|---|
| CONNECTOR (PCS) | 600 | 6000 |

| | | | |
|---|---|---|---|
| MANUFACTURE DWG | | 东莞市讯普电子科技有限公司 DongGuan XunPu Electronics Co,Ltd | |
| UNLESS OTHERWISE SPECIFED TOLERANCES | | TITLE: USB CF 24PIN VERTICAL W/O EMI SPRING,HIGHT 6.4 | |
| | | PAR | TYPEC-504DSL-ACP24 |
| DECIMALS: | ANGLES: | DWN | |
| .X:±0.30 | X.°:±10° | CHKD | |
| .XX:±0.20 | .X°:±8° | APVD | |
| .XXX:±0.10 | .XX°:±5° | SCALE1:1 / UNIT:MM | |
| CUSTOMER COPY | | SIZE:A4 / SHEET:1F1 | REV:A |

# Unikeyic Electronics

Global Electronic Components Distributor

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## XUNPU:

HDMI-212L WAFER-GH1.25-6PLB FPC-1.0AX-4PWCR-H25 MU-103-ARW64 FPC-0.5AL-6PB
FPC-0.5FX-20PWBH15 WAFER-PH2.0-3PWB DC-031A-A100 WAFER-MX1.25B-8PWB
FPC-0.5AS-5PWCR-H20 FPC-0.5AX-30PWCR-H20 PHB2.0-02-20PZZ FPC-0.5FX-4PWBH15
FPC-0.5HF-10PWBR-H20 TYPEC-304YDSW-ACP16 WAFER-PH2.0-11PZZ WAFER-VH3.96-4PLB
FPC-0.5FX-16PWCR-H20 FPC-1.0AX-14PWCR-H25 RJ45-005-014-11 WAFER-PH2.0-2PJK
WAFER-PH2.0-8PLB WAFER-WBM4.2-16PJK-GB FPC-0.5FX-14PWCR-H20 FPC-1.0HF-4PWAR-H20
SMA-KWE-323C-H13X23-LW WAFER-PH2.0-6PWB WAFER-XH2.54-4PWZ-H62 FPC-0.5AX-24PWCR-H20
FPC-0.5FX-4PWCR-H20