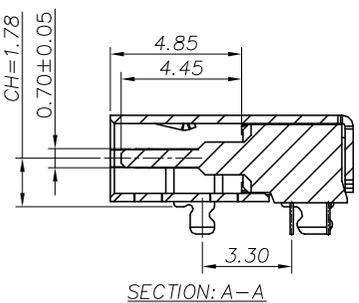
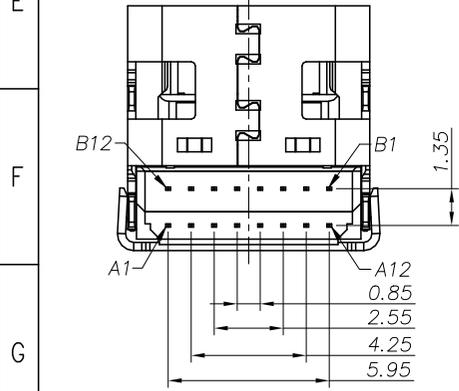
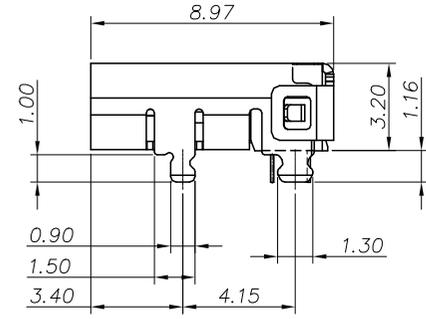
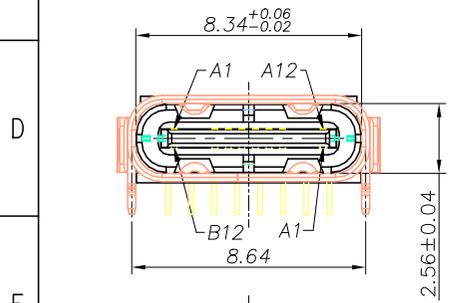
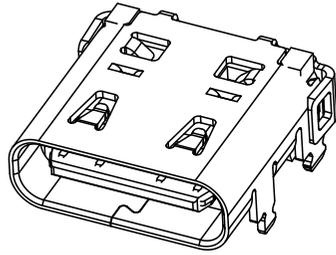
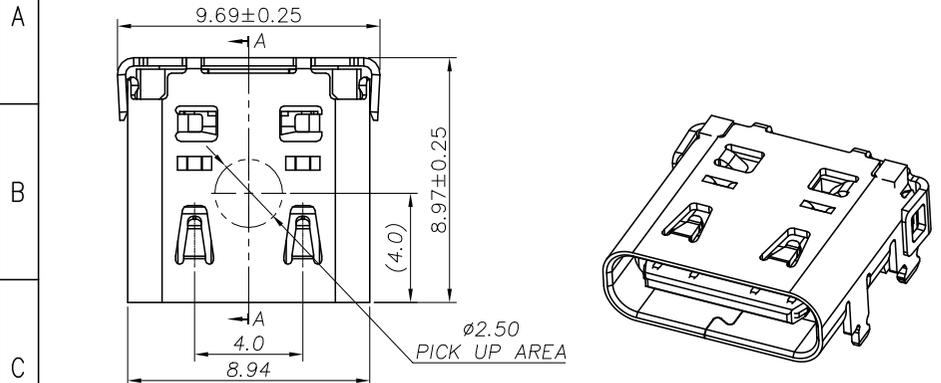


RoHS2.0



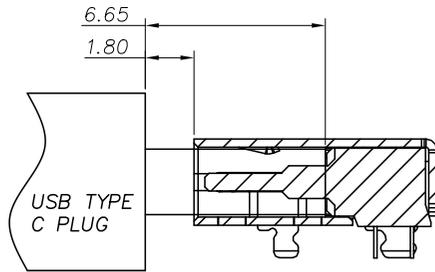
UCB11-16 B H L 2 H X A X-X
 PIN Poles: 24PIN
 B: FEMALE
 H: DIP 90°
 Insulator Material: L: LCP
 Serial NO. 2
 HIGH: H: 3.2
 Plating:
 A: G/F Plated on Contact Area
 B: 3u" Plated on Contact Area
 D: 10u" Plated on Contact Area
 E: 15u" Plated on Contact Area
 G: 30u" Plated on Contact Area
 H: Tin Plated
 1: Au G/F 2: Au 3u" 4: Au 10u"

H: HF R: ROHS
 Packing:
 B: Tray
 P: Bag
 L: Tape reel
 Color:
 A: BLACK

NOTE:
 1. MATERIAL SPECIFICATION:
 1. HOUSING: LCP, UL94 V-0.
 2. CONTACTS: 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.
 (GOLD PLATING THICKNESS FOLLOW THE P/N)
 G/F PLATING ON THE SOLDER AREA.
 2-2. FRONT SHELL: 30u" Min. NICKEL ALL OVER.
 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. CURRENT RATING: 5.0A
 VOLTAGE RATING: 5.0V
 4-2. LLCR:
 VBUS & GND PINS AND OTHER PINS: 40mA/PIN MAX.
 SHIELD: 50mA/MAX.
 LLCR MAX. CHANGE OF ALL PINS: 10mA
 4-3. INSULATION RESISTANCE: 100MΩ MIN
 4-4. DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
 5. ENVIRONMENTAL PERFORMANCE:
 OPERATING TEMPERATURE: -25°C~+85°C.
 6. IR REFLOW:
 THE PEAK TEMPERATURE ON THE BOARD SHALL
 BE MAINTAINED FOR 10 SECONDS AT 260°C.

| REV. | REVISION RECORD | DATE | GENERAL TOLERANCES | | SCALE | NAME | DATE | PART NO. | DWG NO. | | | | |
|------|-----------------|------------|--------------------|-------------|----------------|----------|------------|---------------------|--------------------------------------|-----|----|-------|-----|
| A0 | NEW RELEASE | 2019.05.16 | | LINEAR | 1:1 | SKY | 2019.05.16 | UCB11-1685H1ANL-H01 | ENDE05 | | | | |
| | | | | ANGLES | APPROVED | | | | | | | | |
| | | | UNIT: MM | 0.0 ± 0.25 | X° ± 6° | DESIGNER | GSQ | 2019.05.16 | TITLE | | | | |
| | | | SIZE: A3 | 0.00 ± 0.15 | X° X' ± 3° | DRAWN | YYG | 2019.05.16 | USB CF 16PIN DUAL ROW DIP CONN L8.97 | | | | |
| | | | | 0.00 ± 0.10 | X° X' X'' ± 2° | | | | | REV | A0 | SHEET | 1/3 |

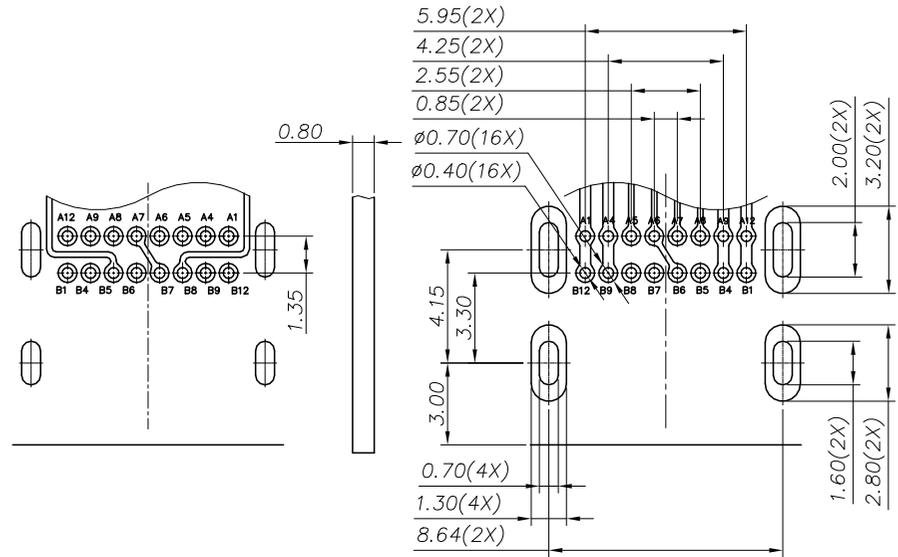
RoHS2.0



AFTER MATING

USB TYPE-C PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|----------------|----------------|----------------|----------------|
| A1 | GND | B12 | GND |
| A2 | GND | B11 | GND |
| A3 | GND | B10 | 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 |
| A10 | GND | B3 | GND |
| A11 | GND | B2 | GND |
| A12 | GND | B1 | GND |



PCB BOTTOM SURFACE

RECOMMENDED PCB LAYOUT(TOP VIEW)
DEFAULT TOLERANCE: ±0.05

| REV. | REVISION RECORD | DATE | | GENERAL TOLERANCES | | SCALE | NAME | DATE | PART NO. | DWG NO. | | |
|------|-----------------|------------|----------|--------------------|---------------|----------|------|------------|--------------------------------------|---------|-------|-------|
| A0 | NEW RELEASE | 2019.05.16 | | LINEAR | ANGLES | 1:1 | | | | | | |
| | | | | 0.0±0.25 | X° ±6° | APPROVED | SKY | 2019.05.16 | UCB11-1685H1ANL-H01 | ENDE05 | | TITLE |
| | | | UNIT: MM | 0.00±0.15 | X° X' ±3° | DESIGNER | GSQ | 2019.05.16 | USB CF 16PIN DUAL ROW DIP CONN L8.97 | | | |
| | | | SIZE: A3 | 0.000±0.10 | X° X' X'' ±2° | DRAWN | YYG | 2019.05.16 | REV | A0 | SHEET | 2/3 |

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2

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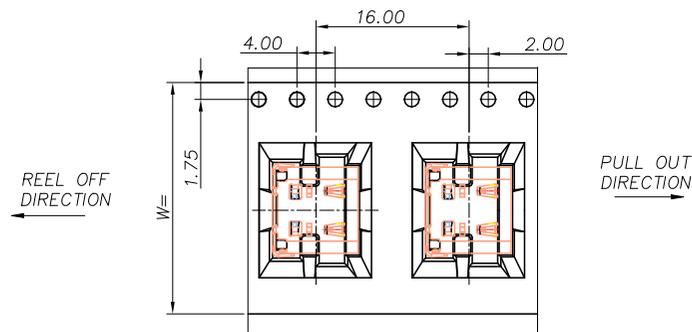
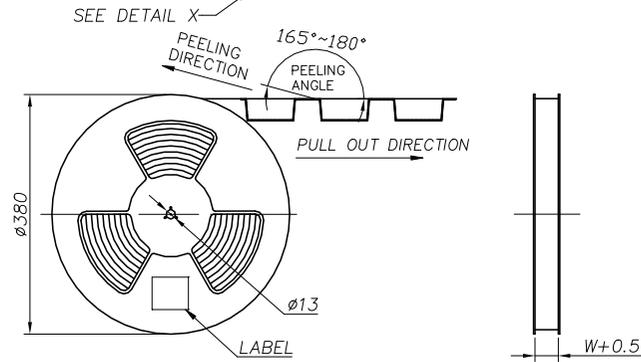
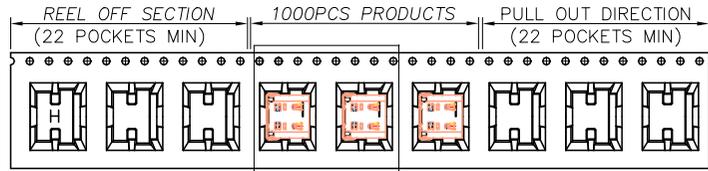
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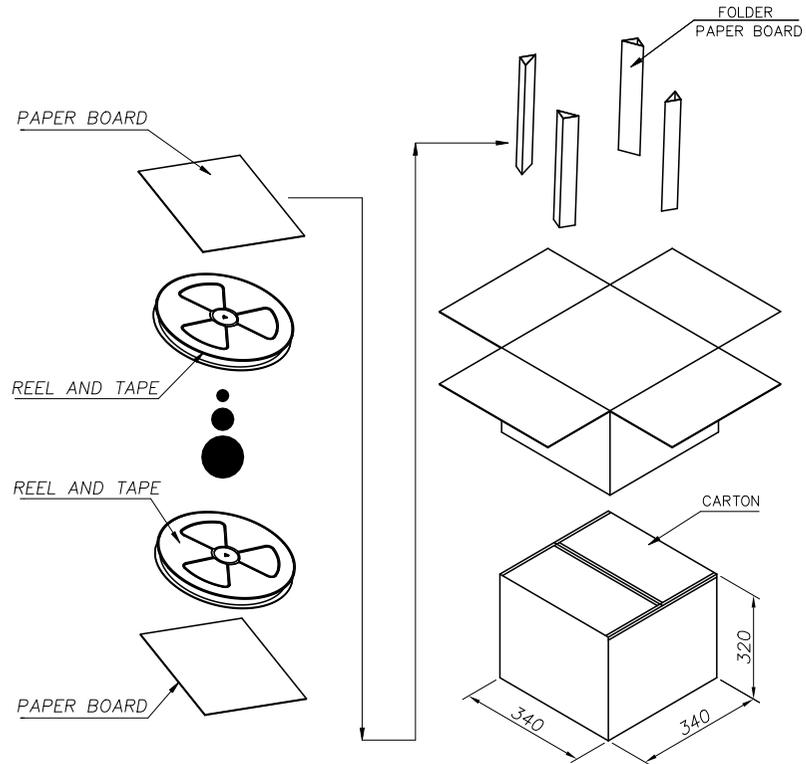
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RoHS2.0



DETAIL X
SCALE 2:1



| | REEL/TRAY | CARTON |
|-----------------|-----------|--------|
| CONNECTOR (PCS) | 1000 | 10000 |

| REV. | REVISION RECORD | DATE | | GENERAL TOLERANCES | | SCALE 1:1 | NAME | DATE | PART NO. | DWG NO. | | |
|------|-----------------|------------|----------|--------------------|---------------|-----------|------|---|---------------------|-----------|-------|-----|
| A0 | NEW RELEASE | 2019.05.16 | | LINEAR | ANGLES | APPROVED | SKY | 2022.12.8 | UCB11-1685H1ANL-H01 | ENDE10 | | |
| | | | 0.0±0.25 | X° ±6° | DESIGNER | - | - | TITLE USB CF 16PIN DUAL ROW DIP CONN L8.97 (PACKAGING DRAWINGS) | | | | |
| | | | UNIT: MM | 0.00±0.15 | X° X' ±3° | DRAWN | GSQ | | | 2022.12.8 | | |
| | | | SIZE: A4 | 0.000±0.10 | X° X' X'' ±2° | | | | REV | A0 | SHEET | 3/3 |