

MATERIAL:

- 1. HOUSING: LCP, GLASS FIBER FILLED, BK
- 2. CONTACT: COPPER ALLOY (t=0.12mm).
- 3. GUARD PLATE: STAINLESS STEEL, T=0.10mm
- 4. SHIELD: STAINLESS STEEL (t=0.30mm).

FINISH:

- CONTACT: SEE ORDER INFORMATION
- SHELL: NICKEL PLATING


Ordering Code:

CU18 16 S * M 1 M D 2 R 0 - LF
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

- ① Series No.
- ② 16=16P
- ③ S=Socket
- ④ Plating option:
 - A= Gold Flash plated on Contact area, Matte Tin plated on Solder tails, Nickel underplating over all
 - B= 15u" gold plated on Contact area, Matte Tin plated on Solder tails, Nickel underplating over all
 - C= 30u" gold plated on Contact area, Matte Tin plated on Solder tails, Nickel underplating over all
- ⑤ Contact tail style: M= Middle mount Right angle
- ⑥ Insulator Color: 1= Black
- ⑦ Contact solder tail style: M=SMT
- ⑧ Shell Type: D=DIP
- ⑨ Transmission speeds:
 - 0= For Gen1
 - 1= For Gen2
 - 2= For USB 2.0
- ⑩ Packing: R= Tape & Reel
- ⑪ Option: 0= Standard
- ⑫ -LF= For Lead Free IR Reflow Process

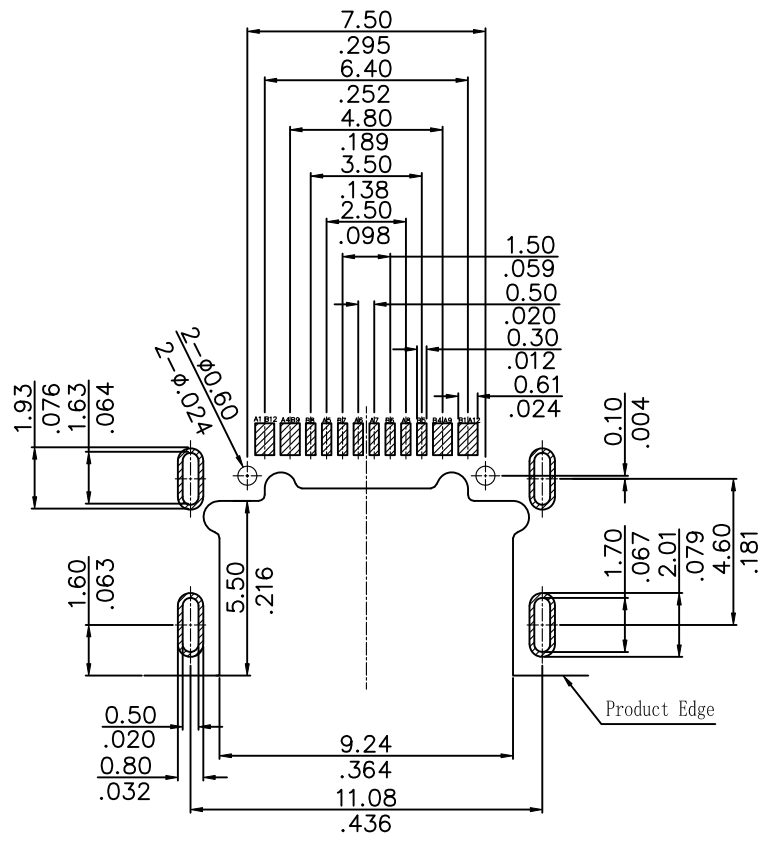
Lead Free Process RoHS Compliant

| | | | | | | | |
|-----|------|------|-----------|----------------------|----------|---|--|
| ④ | | | | | DATE | UNIT: mm / inch | TITLE: USB TYPE C 16P SOCKET Middle mount Right angle |
| ③ | | | | DRAWN BY: Mark.bai | 8/28-17' | TOLERANCE UNLESS OTHERWISE SPECIFIED | MATERIAL: |
| ② | | | | ENGINEER: Mark.bai | 8/28-17' | | |
| ① | | | | CHECKED BY: Mark.bai | 8/28-17' | .XX ± 0.20/008 .X' ± 2' | FINISH: |
| SYM | NAME | DATE | REVISIONS | APPROVED BY: Andy | 8/28-17' | .XXX ± 0.15/006 .XX' ± 1' | |



瀚荃股份有限公司
CviLux Corporation

| | | | |
|-------------|----------|----------|-----------------------|
| DRAWING NO. | CU1835SB | PART NO. | CU1816S*M1MD2R0-LF-HC |
| SCALE | 4 / 1 | SHEET | 1 OF 3 |




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

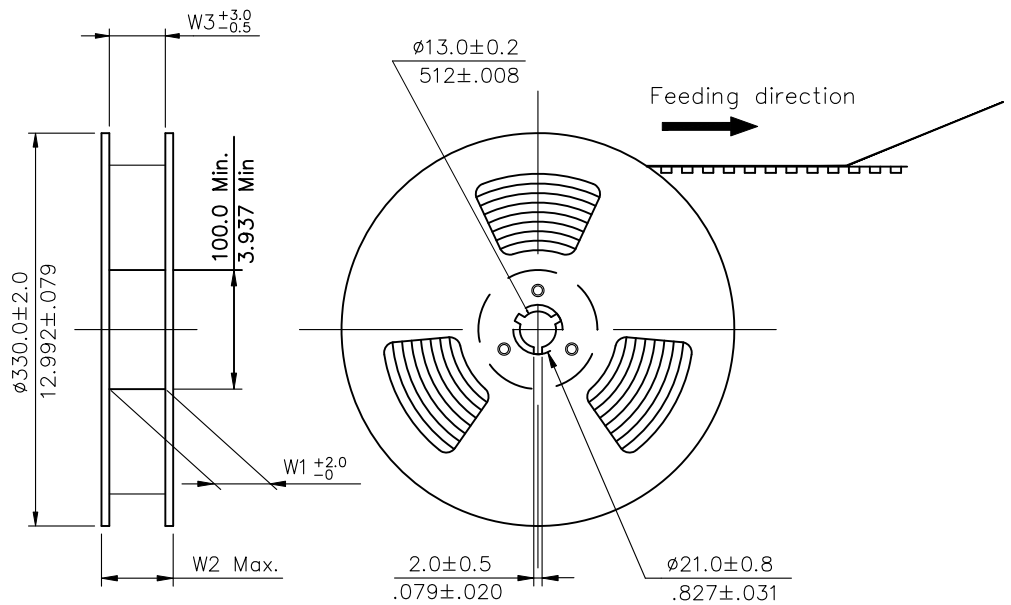
USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

| PIN | Signal Name | Description | PIN | Signal Name | Description |
|-----|-------------|---|-----|-------------|---|
| A1 | GND | Ground return | B12 | GND | Ground return |
| A2 | | | B11 | | |
| A3 | | | B10 | | |
| A4 | Vbus | Bus Power | B9 | VBUS | Bus Power |
| A5 | CC1 | Configuration Channel | B8 | SBU2 | Sideband Use(SBU) |
| A6 | Dp1 | Positive half of the USB 2.0 differential pair-Position 1 | B7 | Dn2 | Positive 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 | Negative 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 | | | B3 | | |
| A11 | | | B2 | | |
| A12 | GND | Ground return | B1 | GND | Ground return |

Lead Free Process

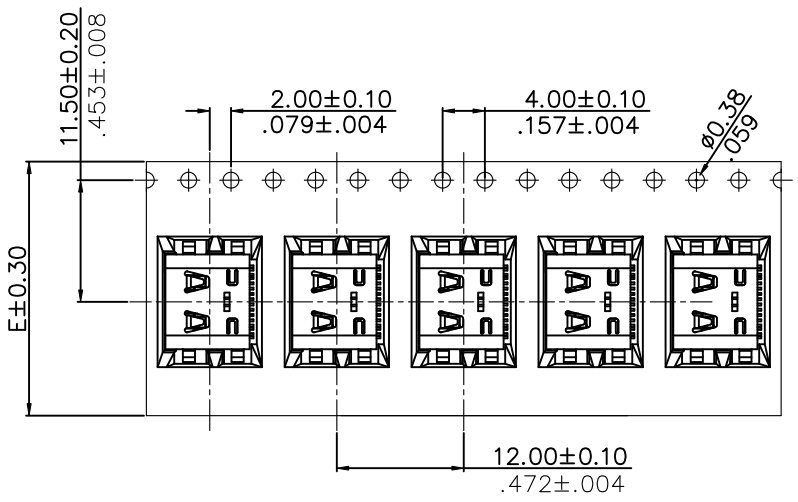
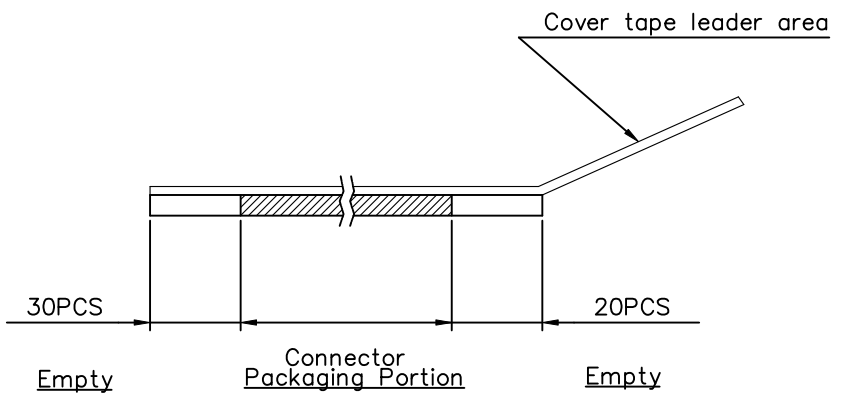
RoHS Compliant

| | | | | | | | | | | |
|-----|------|------|----------------------|-------------------|---|-----------------|---|--|----------------------|--------------------------------|
| 4 | | | | | DATE | UNIT: mm / inch | TITLE: USB TYPE C 16P SOCKET Middle mount Right angle |  瀚荃股份有限公司 CviLux Corporation | DRAWING NO. CU1835SB | PART NO. CU1816S*M1MD2R0-LF-HC |
| 3 | | | DRAWN BY: Mark.bai | 8/28-17' | TOLERANCE UNLESS OTHERWISE SPECIFIED | MATERIAL: | | | | |
| 2 | | | ENGINEER: Mark.bai | 8/28-17' | .X ± 0.30/012 | .X' ± 1' | FINISH: | SCALE 4 / 1 | SHEET 2 OF 3 | |
| 1 | | | CHECKED BY: Mark.bai | 8/28-17' | .XX ± 0.20/008 | .X' ± | | | | |
| SYM | NAME | DATE | REVISIONS | APPROVED BY: Andy | 8/28-17' | .XXX ± 0.05/002 | .XX' ± | | | |




- NOTE :
- * Reel Material : HIPS
 - * Carrier Material : Clear, Conductive Polystyrene Alloy
 - * Cover Tape Material : Polyester
 - * Cover Tape Peel Strength : 0.1N – 1.3N
 - * Carrier camber is within 1mm in 250mm
 - * All dimensions meet EIA-481-B requirements.
 - * Quantity : 1500 PCS/Reel

| Dimension | | | | Packing (Reel/Carton) |
|------------|------------|-------------|------------|--------------------------|
| E | W1 | W2 | W3 | |
| 24.0(.945) | 24.5(.965) | 30.5(1.201) | 24.5(.965) | 8 |



Lead Free Process
RoHS Compliant

| | | | | | | | | |
|-----------|------|------|----------------------|----------|---|---|--|--------------------------------|
| 4 | | | | DATE | UNIT: mm / inch | TITLE: |  瀚荃股份有限公司 CviLux Corporation | |
| 3 | | | DRAWN BY: Mark.bai | 8/28-17' | TOLERANCE UNLESS OTHERWISE SPECIFIED | USB TYPE C 16P SOCKET Middle mount Right angle | | |
| 2 | | | ENGINEER: Mark.bai | 8/28-17' | .X ± 0.30/.012 .X' ± 1' | MATERIAL: | | |
| 1 | | | CHECKED BY: Mark.bai | 8/28-17' | .XX ± 0.20/.008 .X' ± | FINISH: | | |
| SYM | NAME | DATE | APPROVED BY: Andy | 8/28-17' | .XXX ± 0.05/.002 .XX' ± | | | |
| REVISIONS | | | | | | | DRAWING NO. CU1835SB | PART NO. CU1816S*M1MD2R0-LF-HC |
| | | | | | | | SCALE 4 / 1 | SHEET 3 OF 3 |