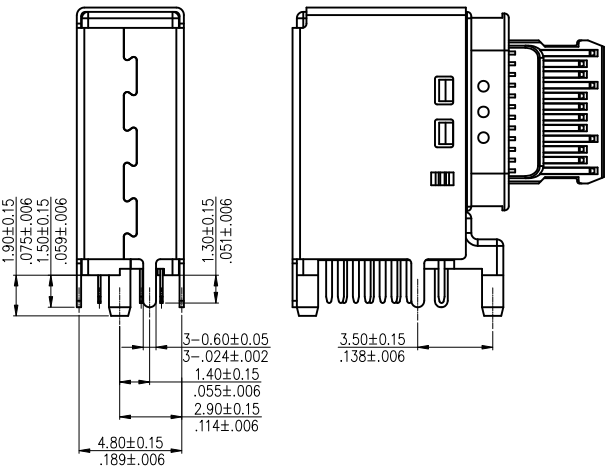


**MATERIAL:**

- 1.HOUSING: LCP, GLASS FIBER FILLED, White
- 2.CONTACT: COPPER ALLOY
- 3.GUARD PLATE:STAINLESS STEEL
- 4.MID PLATE: STAINLESS STEEL
- 5.SHELL: STAINLESS STEEL

**FINISH:**

- CONTACT: GOLD PLATING ON CONTACT AREA,  
MATTE TIN PLATING ON SOLDERTAILS,  
NICKEL UNDERPLATING OVER ALL
- SHELL: NICKEL PLATING



| Part No.              | Transmission speeds | Plating Code |
|-----------------------|---------------------|--------------|
| CU1816SAHODD2R0-LF-HC | USB 2.0             | A:Gold Flash |
| CU1816SBHODDQRO-LF-HC | Gen1                | B:15u" Gold  |
| CU1816SCHODD1R0-LF-HC | Gen2                | C:30u" Gold  |

**Ordering Code:**

CU18 16 S \* H 0 D D \* R 0 -LF -HC  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

- ① Series No.
- ② No. of Circuits
- ③ S= Socket
- ④ Plating option:  
 A= Gold Flash plated on Contact area,  
 Matte Tin plated on Solderetails,  
 Nickel underplating over all  
 B= 15u" gold plated on Contact area,  
 Matte Tin plated on Solderetails,  
 Nickel underplating over all  
 C= 30u" gold plated on Contact area,  
 Matte Tin plated on Solderetails,  
 Nickel underplating over all
- ⑤ Contact tail style: H=Top mount Right Angle
- ⑥ Insulator Color: 0= White(Nature)
- ⑦ Contact solder tail style: D= DIP Type
- ⑧ Shell Type: D= DIP Type
- ⑨ Transmission speeds:  
 0= For Gen1(Gold 15u" Only)  
 1= For Gen2(Gold 30u" Only)  
 2= For USB 2.0(Gold Flash Only)
- ⑩ Packing Option: R= Tape & Reel
- ⑪ Other option: 0
- ⑫ -LF= For Lead Free IR Reflow Process
- ⑬ -HC= For High Current

Lead Free Process

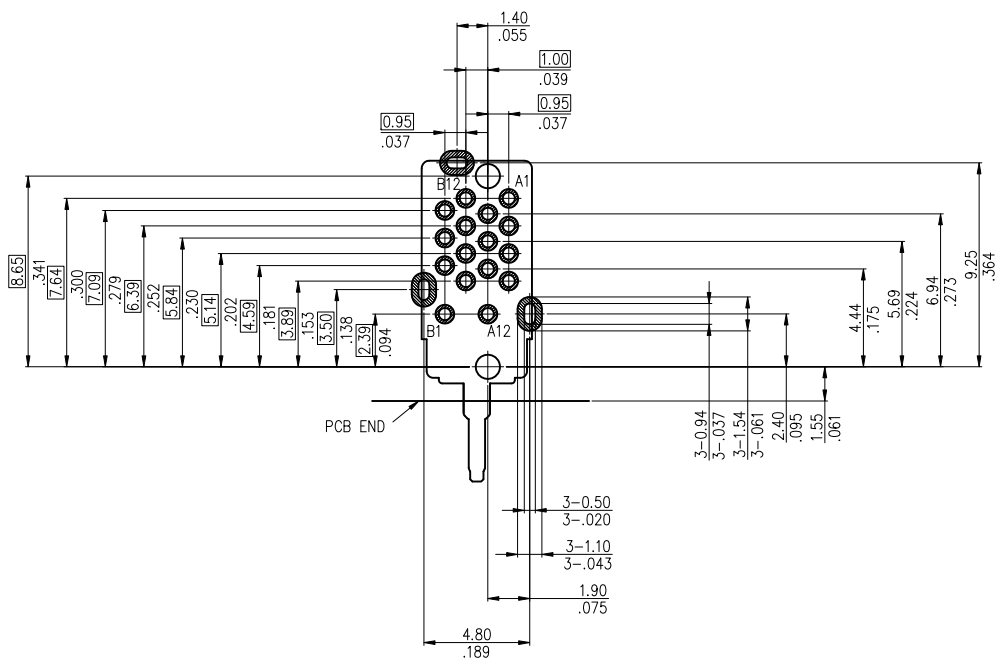
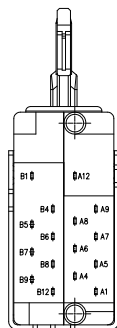
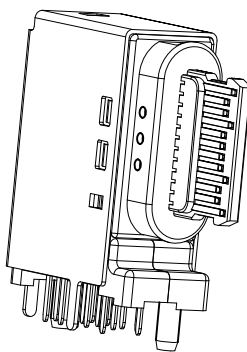
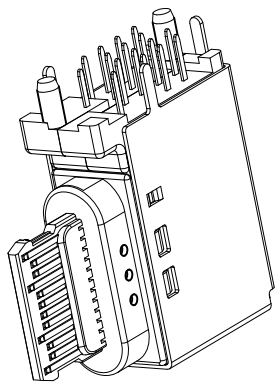
RoHS Compliant

|     |      |      |           |              |            |                            |                               |
|-----|------|------|-----------|--------------|------------|----------------------------|-------------------------------|
| ④   |      |      |           |              | DATE       | UNIT: mm / inch            | TITLE:                        |
| ③   |      |      |           |              | 2018/01/23 | TOLERANCE                  | USB 3.1 C/F RIGHT ANGLE       |
| ②   |      |      |           |              | 2018/01/23 | UNLESS OTHERWISE SPECIFIED | CH 7.63mm , H12.50mm DIP TYPE |
| ①   |      |      |           |              | 2018/01/23 | .X ± 0.25/010 X' ± 4'      | MATERIAL:                     |
| SYM | NAME | DATE | REVISIONS | APPROVED BY: | 2018/01/23 | .XX ± 0.20/008 X' ± 2'     | FINISH:                       |
|     |      |      |           | Andy         | 2018/01/23 | .XXX ± 0.10/004 XX' ±      |                               |



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CviLux Corporation

|             |          |          |                       |
|-------------|----------|----------|-----------------------|
| DRAWING NO. | CU1855SA | PART NO. | CU1816S*HODD2R0-LF-HC |
| SCALE       | 4 / 1    | SHEET    | 1 OF 3                |



RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

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   |

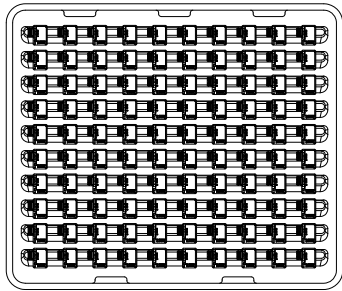
Lead Free Process      RoHS Compliant

|     |      |      |           |                   |                 |  |
|-----|------|------|-----------|-------------------|-----------------|--|
| 4   |      |      |           | DATE              | UNIT: mm / inch | TITLE:   |
| 3   |      |      |           | DRAWN BY: Mark    | 2018/01/23      | USB 3.1 C/F RIGHT ANGLE<br>CH 7.63mm , H12.50mm DIP TYPE |
| 2   |      |      |           | ENGINEER: Mark    | 2018/01/23      | MATERIAL:  |
| 1   |      |      |           | CHECKED BY: Andy  | 2018/01/23      | FINISH:  |
| SYM | NAME | DATE | REVISIONS | APPROVED BY: Andy | 2018/01/23      |  |

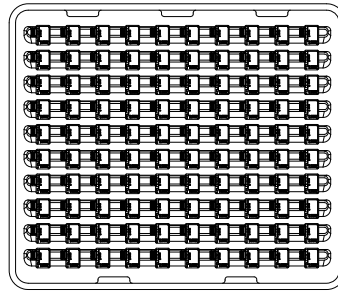

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|             |          |          |                       |
|-------------|----------|----------|-----------------------|
| DRAWING NO. | CU1855SA | PART NO. | CU1816S*H0DD2RO-LF-HC |
| SCALE       | 4 / 1    | SHEET    | 2 OF 3                |

100 PCS/TRAY

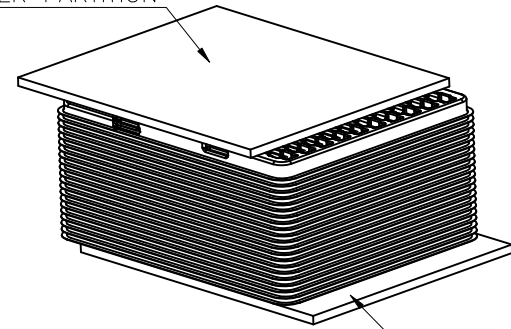


THE SECOND LAYER IS PLACED ON THE BASIS OF THE FIRST LAYER STACK,THE THIRD,FOUR LAYERS.....AND SO ON



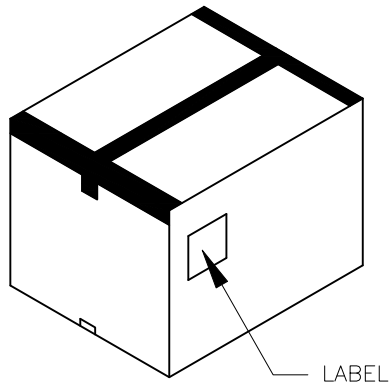
20 TRAY/SHEAF,EACH SHEAF PACKING PRODUCTS 2000 PCS,PACKED PRODUCTS,THE PRODUCT OF AN EMPTY TRAY ON THE TOP COVER,EACH SHEAF BOTTOM AND TOP PUT A PAPER PLATE

PAPER PARTITION

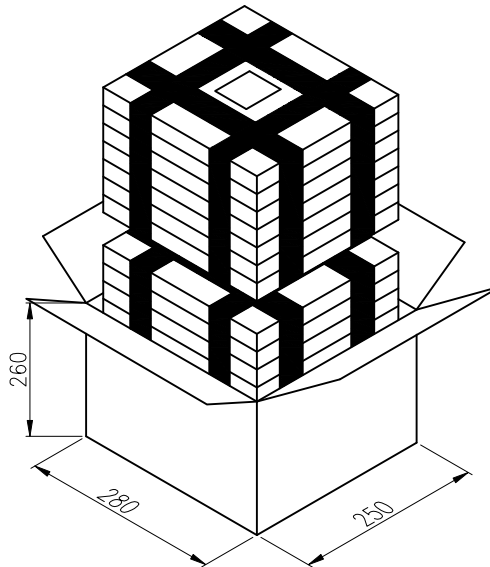


PAPER PARTITION

LABEL PE FILM



LABEL




WILL BE PACKAGED PRODUCTS IN 280\*250\*260mm INSIDE THE CARTONS,EACH CARTONS PACKED TWO SHEAF+A TOTAL OF PRODUCTS 4000PCS.

AFTER THE TRAY WAS FOLDED WITH PE FILM ON THE TWISTS

USE SEALING TAPE WILL TAKE PLACE OUTSIDE THE CARTON SEALING, THE LABELS PASTE ON THE OUTSIDE OF THE CARTON

RoHS Compliant

|     |      |      |           |                   |            |                                      |  |   |                                 |
|-----|------|------|-----------|-------------------|------------|--------------------------------------|--|---|---------------------------------|
| 4   |      |      |           |                   | DATE       | UNIT: mm / inch                      | TITLE:   |  <b>瀚荃股份有限公司</b><br>CviLux Corporation |                                 |
| 3   |      |      |           | DRAWN BY: Mark    | 2018/01/23 | TOLERANCE UNLESS OTHERWISE SPECIFIED | USB 3.1 C/F RIGHT ANGLE<br>CH 7.63mm , H12.50mm DIP TYPE |   |                                 |
| 2   |      |      |           | ENGINEER: Mark    | 2018/01/23 | .X ± 1.0/.012 X*                     | MATERIAL:  |   |                                 |
| 1   |      |      |           | CHECKED BY: Andy  | 2018/01/23 | .XX ±0.50/.008 .X*                   | FINISH:  |   |                                 |
| SYM | NAME | DATE | REVISIONS | APPROVED BY: Andy | 2018/01/23 | .XXX .XX*                            |  |   |                                 |
|     |      |      |           |                   |            |                                      |  | DRAWING NO. CU1855SA  | PART NO. CU1816S*H0DD2R0-LF-11C |
|     |      |      |           |                   |            |                                      |  | SCALE   | SHEET 3 OF 3                    |