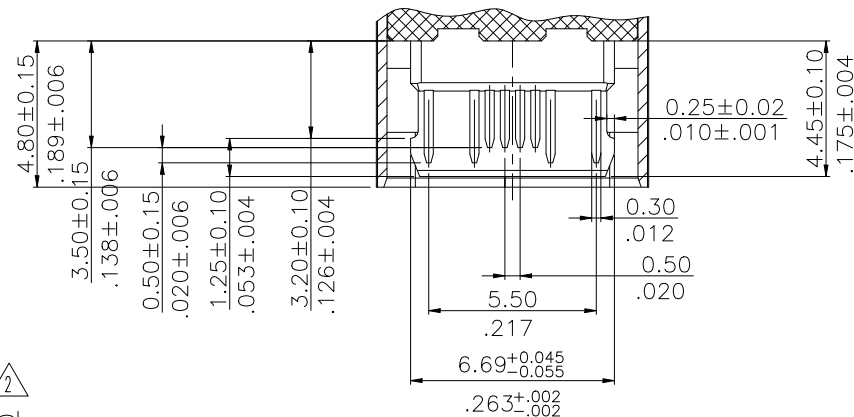
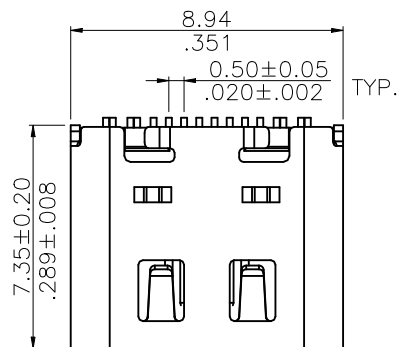
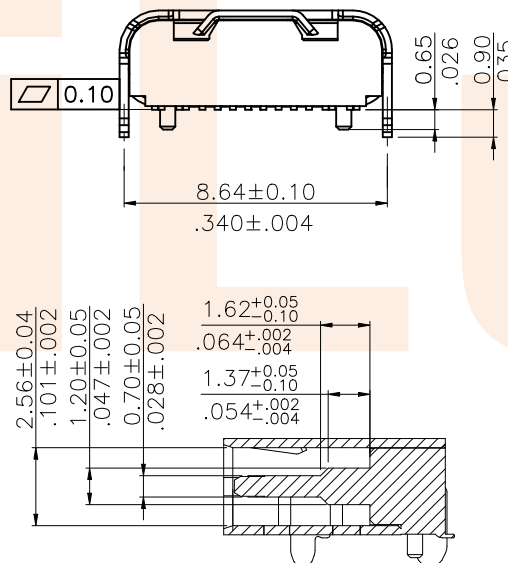
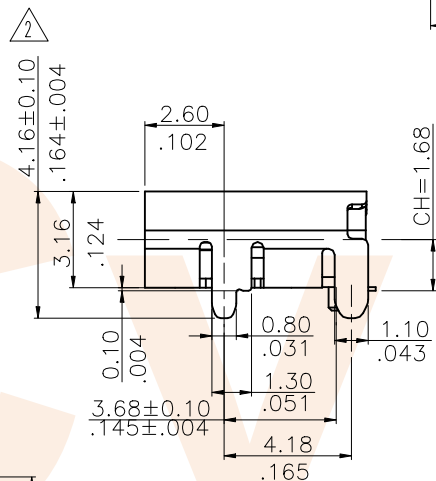
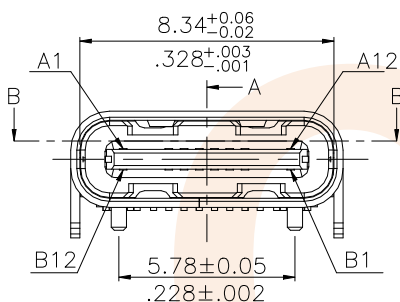
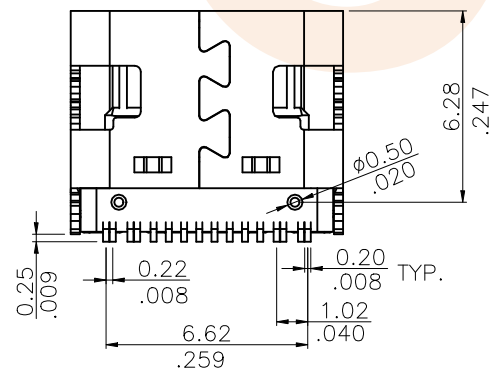




SECTION B-B



SECTION A-A



MATERIAL:

- 1.HOUSING: High temperature plastic material
- 2.CONTACT: COPPER ALLOY
- 3.SHIELD: STAINLESS STEEL

FINISH:

- CONTACT: SEE ORDER INFORMATION
- SHELL: NICKEL PLATING

Ordering Code:

CU32 16 S \* S D L R 014 -NH  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

- ① Series No.CU32
- ② No of Circuits:16Pin
- ③ S= Socket
- ④ Plating option:  
A= Gold flash over 50u" (1.27um)  
Nickel
- ⑤ Shell Material & Plating:  
S= stainless steel
- ⑥ Contact Material: D=Copper Alloy
- ⑦ Insulator Material & Color option:  
L=High temperature plastic material
- ⑧ Packing R= Tape & Reel
- ⑨ -NH= For Lead Free wave or IR Reflow Processes & Halogen Free

CIVILUX  
2023.09.28  
ISSUED

Halogen-Free

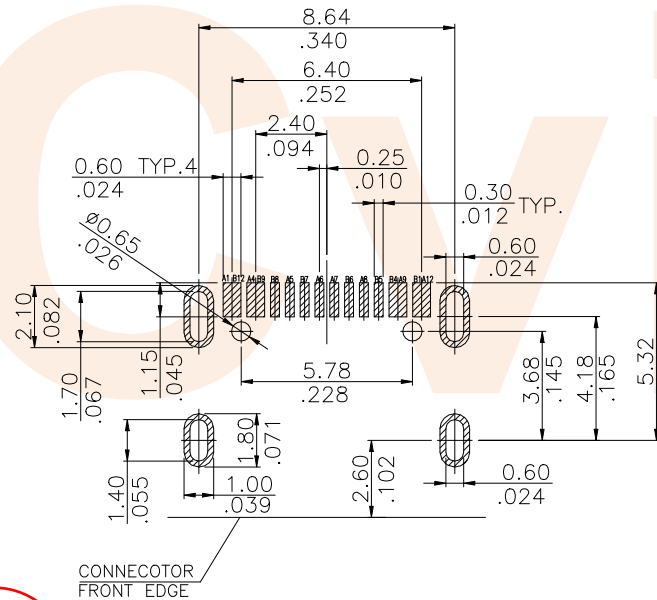
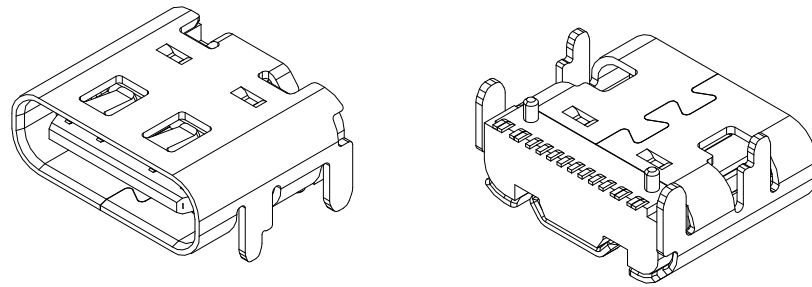
RoHS Compliant

|     |       |      |                   |                   |           |                                         |                                  |
|-----|-------|------|-------------------|-------------------|-----------|-----------------------------------------|----------------------------------|
| ④   |       |      |                   |                   | DATE      | UNIT: mm / inch                         | TITLE: Type C/F 16 PIN CH=1.68mm |
| ③   |       |      |                   | DRAWN BY: Annie   | 09/25-23' | TOLERANCE<br>UNLESS OTHERWISE SPECIFIED | SMT TYPE TOP MOUNT TYPE          |
| ②   | Annie | 9.25 | CHANGE ECND123028 | ENGINEER: Gavin   | 09/25-23' | .X ± 0.25/.010 X' ± 4'                  | MATERIAL:                        |
| ①   | Annie | 7.20 | CHANGE ECND121024 | CHECKED BY: Keny  | 09/25-23' | .XX ± 0.20/.008 X' ± 2'                 | FINISH:                          |
| SYM | NAME  | DATE | REVISIONS         | APPROVED BY: Keny | 09/25-23' | .XXX ± 0.10/.004 X' ±                   |                                  |



瀚荃股份有限公司  
CviLux Corporation

|             |           |          |                    |
|-------------|-----------|----------|--------------------|
| DRAWING NO. | CU32S17SC | PART NO. | CU3216SASDLR014-NH |
| SCALE       | 1 / 1     | SHEET    | 1 OF 3             |



CONNECTOR  
FRONT EDGE

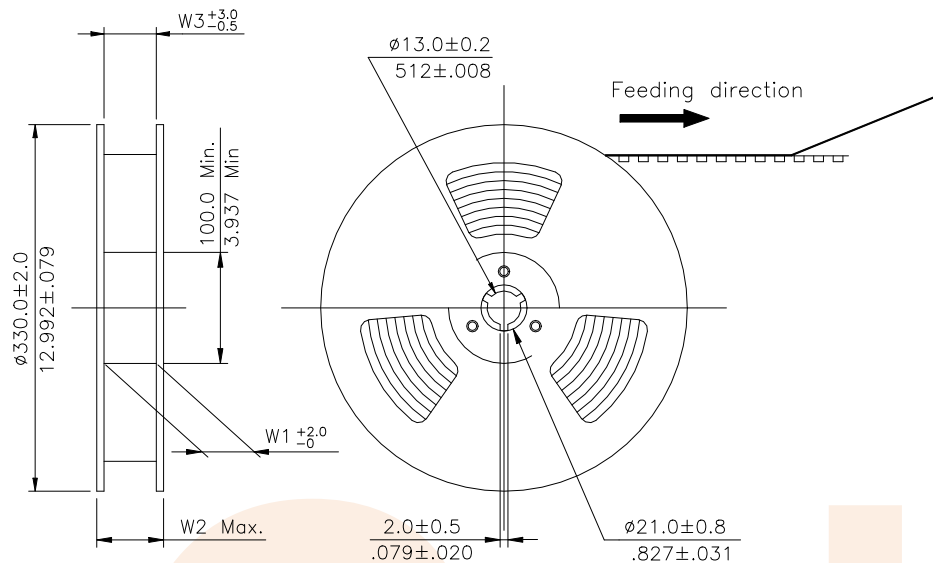
RECOMMENDED P.C.B. LAYOUT (T:1.00mm)  
TOLERANCE  $\pm 0.05\text{mm}$

**CVILUX**  
**2023.09.28**  
**ISSUED**

#### 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         | 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 |             |                                                           | B3  |             |                                                           |
| A11 |             |                                                           | B2  |             |                                                           |
| A12 | GND         | Ground return                                             | B1  | GND         | Ground return                                             |

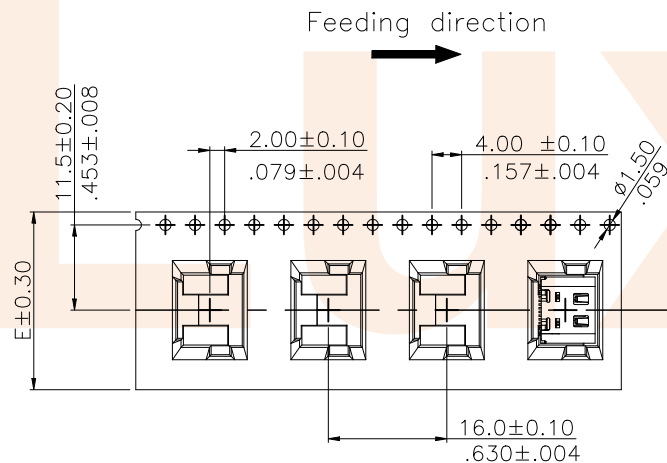
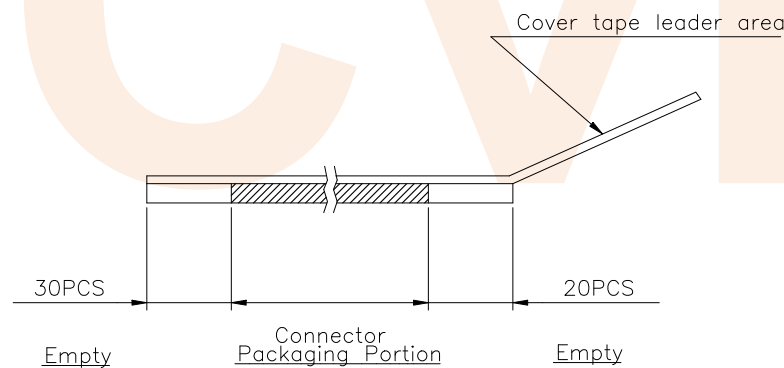
|       |       |      |                   |                   |           |                                         |                                  |                                                                                                                                                                                    |  |  |  |
|-------|-------|------|-------------------|-------------------|-----------|-----------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 4     |       |      |                   |                   | DATE      | UNIT: mm / inch                         | TITLE: Type C/F 16 PIN CH=1.68mm | <div>Halogen-Free</div> <div>RoHS Compliant</div> <div> 瀚荃股份有限公司<br/>CviLux Corporation</div> |  |  |  |
| 3     |       |      |                   | DRAWN BY: Annie   | 09/25-23' | TOLERANCE<br>UNLESS OTHERWISE SPECIFIED | SMT TYPE TOP MOUNT TYPE          |                                                                                                                                                                                    |  |  |  |
| 2     | Annie | 9.25 | CHANGE ECND123028 | ENGINEER: Gavin   | 09/25-23' | .X $\pm 0.25/.010$                      | X' $\pm 4'$                      | DRAWING NO. CU32S17SC PART NO. CU3216SASDLR014-NH                                                                                                                                  |  |  |  |
| 1     | Annie | 7.20 | CHANGE ECND121024 | CHECKED BY: Keny  | 09/25-23' | .XX $\pm 0.20/.008$                     | X' $\pm 2'$                      |                                                                                                                                                                                    |  |  |  |
| SYM   | NAME  | DATE | REVISIONS         | APPROVED BY: Keny | 09/25-23' | .XXX $\pm 0.10/.004$                    | .XX' $\pm$                       | FINISH:                                                                                                                                                                            |  |  |  |
| SCALE |       |      |                   | 1 / 1             |           |                                         |                                  | SHEET 2 OF 3                                                                                                                                                                       |  |  |  |



# 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 : 800 PCS/Reel

| Dimension  |            |             |            | Packing<br>(Reel/Carton) |
|------------|------------|-------------|------------|--------------------------|
| E          | W1         | W2          | W3         |                          |
| 24.0(.945) | 24.5(.965) | 30.5(1.201) | 24.5(.965) | 10                       |



Halogen-Free RoHS Compliant

|              |       |      |                   |                   |           |                                         |          |                                                             |                                                                             |           |          |                    |
|--------------|-------|------|-------------------|-------------------|-----------|-----------------------------------------|----------|-------------------------------------------------------------|-----------------------------------------------------------------------------|-----------|----------|--------------------|
| <div>4</div> |       |      |                   |                   | DATE      | UNIT: mm / inch                         |          | TITLE: Type C/F 16 PIN CH=1.68mm<br>SMT TYPE TOP MOUNT TYPE | <div><div><div></div></div><div>瀚荃股份有限公司<br/>CviLux Corporation</div></div> |           |          |                    |
| <div>3</div> |       |      |                   | DRAWN BY: Annie   | 09/25-23' | TOLERANCE<br>UNLESS OTHERWISE SPECIFIED |          |                                                             |                                                                             |           |          |                    |
| <div>2</div> | Annie | 9.25 | CHANGE ECND123028 | ENGINEER: Gavin   | 09/25-23' | .X ±                                    | X.* ± 1' | MATERIAL:                                                   | DRAWING NO.                                                                 | CU32S17SC | PART NO. | CU3216SASDLR014-NH |
| <div>1</div> | Annie | 7.20 | CHANGE ECND121024 | CHECKED BY: Keny  | 09/25-23' | .XX ±                                   | .X* ±    |                                                             | FINISH:                                                                     | SCALE     |          | SHEET              |
| SYM          | NAME  | DATE | REVISIONS         | APPROVED BY: Keny | 09/25-23' | .XXX ±                                  | .XX* ±   |                                                             |                                                                             |           |          |                    |