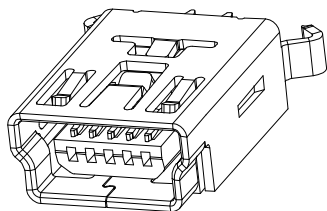


Recommended PCB Layout



**NOTES:**

**1. Material:**

Housing: LCP+50%G.F, UL 94V-0 rated.  
 Color: Black.  
 Contact: Brass.  
 Plating: Gold Plating over Nickel on Contact Area,  
 Tin Plating on Solder Tail.  
 Shield: Copper Alloy.  
 Plating: Nickel Plating.

**2. Mechanical:**

Insertion Force: 35N Max.  
 Withdrawal Force: 10N Min Initial, 8-20N after 1000Cycles.  
 Durability: 5,000Cycles.

**3. Electrical Specification:**

Current Rating: 1.0Ampere at 30VDC.  
 Contact Resistance: 30mΩ Max Initial, 40mΩ after 1000Cycles.  
 Insulation Resistance: 1000MΩ Min.  
 Dielectric Withstanding Voltage: 100 VAC.

**4. Environmental:**

Operating Temperature: -55°C to +105°C.

**Part Number:**

**CU2N-R05VDG0-32**

USB2.0 Mini Type  
 R: Receptacle  
 05: 5Pins  
 V: Vertical Type

Product Number  
 32: Vertical Mini B Type  
 H=9.5mm Height, Kink Type  
 0: Black  
 G: Gold Flash  
 D: DIP Type

|   |              |  |                       |
|---|--------------|--|-----------------------|
| B   | 06/20/19     | MODIFY THE PIN LENGTH TO BE D=2.3MM              |                       |
| A   | 11/30/08     | RELEASED FOR PRODUCTION                          |                       |
| REV   | DATE         | DESCRIPTION                                      |                       |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN MM<br>TOLERANCES ARE: |              | CAD GENERATED DRAWING,<br>DO NOT MANUALLY UPDATE |                       |
| DECIMALS  | ANGLES       | APPROVALS  | DATE                  |
| .X ± .38  | ± 3°         | DRAWN Chris                                      | 06/20/19              |
| .XX ± .25   |              | CHECKED Cindy                                    | 06/20/19              |
| .XXX ± .20  |              | APPV Jason                                       | 06/20/19              |
| DO NOT SCALE DRAWING  | SHEET 1 OF 1 | SCALE NONE                                       | DWG. NO. CU2N-R05-032 |
|   |              |  | REV. B                |



DESCRIPTION Mini USB B Type, 5Pins, Vertical, DIP, Gold Flash  
 H=9.5mm Height, Shield with Kink, Pin Length=2.3mm