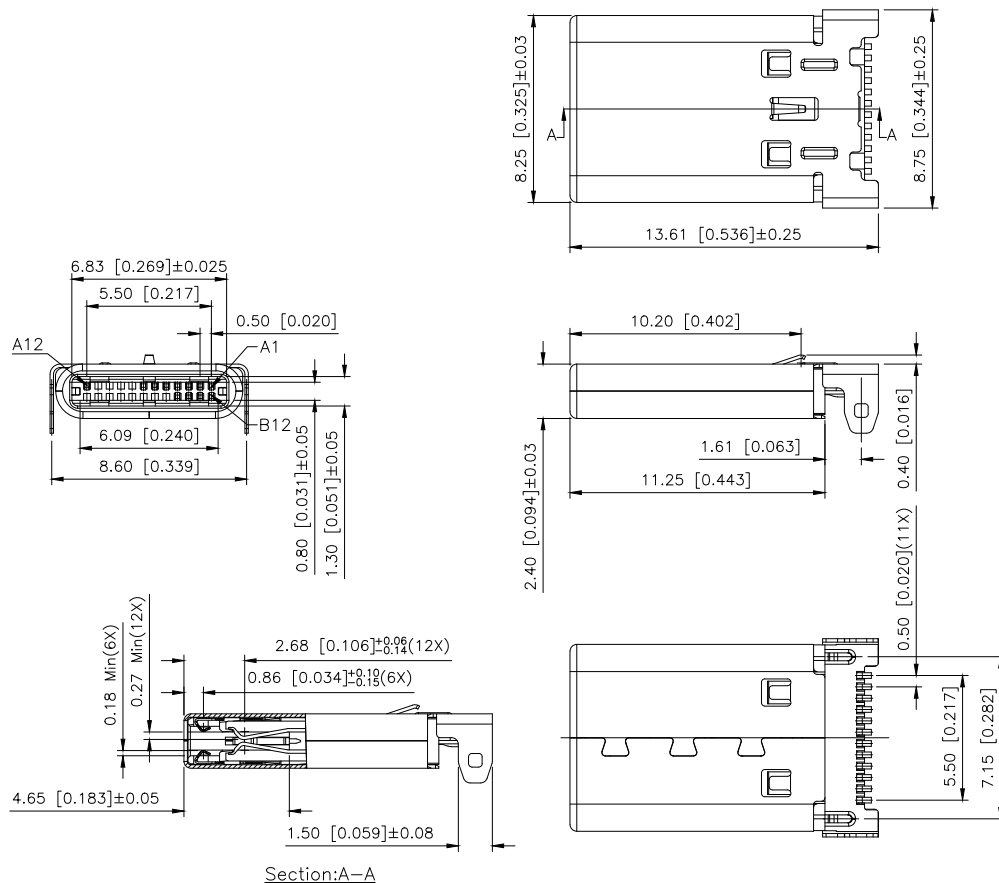


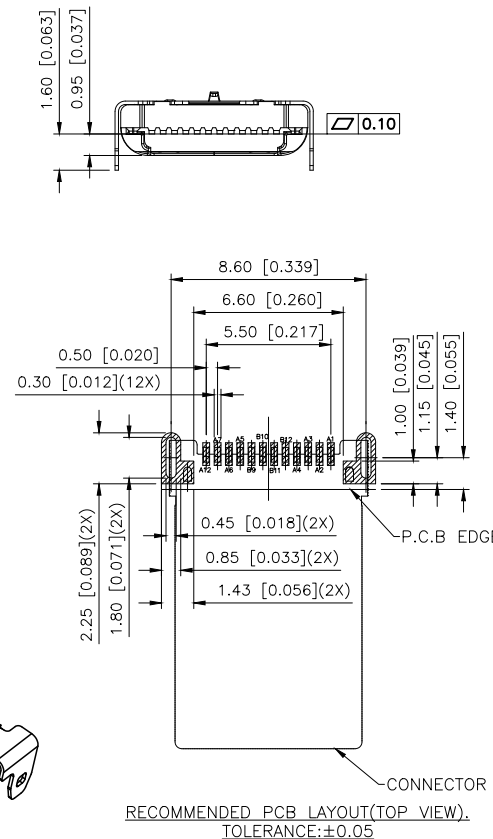
|      | REVISIONS |          |                |            |        |
|------|-----------|----------|----------------|------------|--------|
| REV. | ECN NO.   | LOCATION | DESCRIPTION    | DATE       | DESIGN |
| AO   | N/A       |          | 新增卡扣R角, 增强卡扣强度 | 2024.03.14 | 桑葚     |
| /    | /         |          | /              | /          | /      |

NOTE:

1. MATERIAL SPECIFICATION:  
1. HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0.  
2. CONTACTS: COPPER ALLOY  
3. MID PLATE: STAINLESS STEEL  
4. FRONT SHELL: STAINLESS STEEL  
5. EMI PLATE: STAINLESS STEEL
2. PLATING SPECIFICATION:  
2-1. CONTACTS:  
Ni 50u" MIN. UNDER PLATED OVER ALL.  
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.  
(GOLD PLATING THICKNESS FOLLOW THE P/N)  
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
- 2-2. FRONT SHELL:  
Ni 30u" MIN. UNDER PLATED OVER ALL.  
3. MID PLA
- 2-4. EMI 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: 3.0A  
VOLTAGE RATING: 5.0V  
4-2. LLCR:  
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.  
SHIELD: 50mΩ/MAX.  
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.  
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.



Section:A-A



RECOMMENDED PCB LAYOUT(TOP VIEW)  
TOLERANCE:±0.05

U261-12XN-4BS2S

1:Au 1u" min  
2:Au 15u" min  
3:Au 30u" min

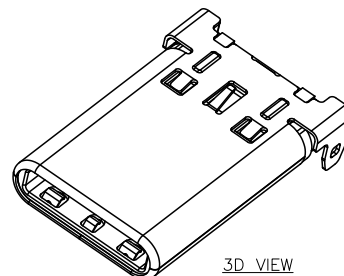
1:WITH  
2:WITHOUT

B:BLACK  
U:BLUE  
W:WHITE  
C:CREAM—COLOR

1:PBT  
2:PA6T

## USB TYPE-C PIN ASSIGNMENTS

| PIN | NUMBER | SIGNAL NAME | PIN | NUMBER | SIGNAL NAME |
|-----|--------|-------------|-----|--------|-------------|
| A1  |        | GND         | B12 |        | GND         |
| A2  |        | SSTXp1      | B11 |        | SSRXp1      |
| A3  |        | SSTXn1      | B10 |        | SSRXn1      |
| A4  |        | VBUS        | B9  |        | VBUS        |
| A5  |        | CC1         | B8  |        |             |
| A6  |        | Dp1         | B7  |        |             |
| A7  |        | Dn1         | B6  |        |             |
| A8  |        |             | B5  |        |             |
| A9  |        |             | B4  |        |             |
| A10 |        |             | B3  |        |             |
| A11 |        |             | B2  |        |             |
| A12 |        | GND         | B1  |        |             |



3D VIEW

|                        |               |
|------------------------|---------------|
| AuGLAR                 | $\pm 5^\circ$ |
| X.                     | $\pm 0.40$    |
| X.x                    | $\pm 0.30$    |
| X.xx                   | $\pm 0.20$    |
| X.xxx                  | $\pm 0.15$    |
| UNSPECIFIED TOLERANCES |               |



XKB INDUSTRIAL PRECISION CO.,LIMITED

| ITEM                                                                                  | P/N             | HOUSING<br>COLOR | CONTACTS        |                                                                                       |             |
|---------------------------------------------------------------------------------------|-----------------|------------------|-----------------|---------------------------------------------------------------------------------------|-------------|
|                                                                                       |                 |                  | FUNCTIONAL AREA |                                                                                       | SOLDER AREA |
| 1                                                                                     | U261-12XN-4BS2S | BLACK            | Au:1u"          |                                                                                       | Sn 80u"     |
|  | DESIGN          | 桑葚               | VIEW:           |  |             |
|                                                                                       | CHECKED         |                  | UNIT: mm/in     |                                                                                       |             |
|                                                                                       | APPROVED        |                  | SIZE: A4        |                                                                                       |             |
| PRECISION CO.,LIMITED                                                                 |                 |                  | SCALE           | PAGE                                                                                  | REVISION    |
|                                                                                       |                 |                  | N/A             | 1/1                                                                                   | A1          |