

RECOMMENDED PCB LAYOUT(TOP VIEW)

NOTE:

1. Material:

1.1 Plastic core: LCP+30%G.F UL94V-0

1.2 Terminal: High conductivity copper nickel bottom 50U" MIN,
Gold plated contact area (AU 1u")

Gold-plated welding area G/F

1.3 Shell: SUS Nickel plated on the surface 50U" MIN

1.4 Middle clip: SUS;

2. Main features:

2.1 Rated current: 5A

2.2 Contact resistance: 40m Ω E MAX(Initial value)

50mΩ MAX(After testing)

2.3 Insulation resistance: 100M Ω MIN

2.4 Withstand voltage test: 100V AC R.M.S.

2.5 Overall insertion force: 5-20N Overall

2.5 Overall insertion force: 5-20N Overall insertion force: 5-20N (After endurance)

Overall pull-out force: 8-20N Overall pull-out force: 6-20N (After endurance)

2.6 Durability: 10000 pcs

2.7 High temperature resistance: SMT Reflow soldering (Peak value $260^{\circ} \pm 5$),

The plastic must not blister.

Defects such as melting glue, Discoloration, Warpage deformation is within tolerance:

2.8 Products must be tested for soldering, The tin-sticking area reaches more than 95%;



2.9 Salt spray test: 48H MIN

3.0 Operating temperature: $-30^{\circ}\text{C} \sim +85^{\circ}\text{C}$

| 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 | SBU2 |
| A6 | Dp1 | B7 | Dn2 |
| A7 | Dn1 | B6 | Dp2 |
| A8 | SBU1 | B5 | CC2 |
| A9 | VBUS | B4 | VBUS |
| A10 | SSRXn2 | B3 | SSTXn2 |
| A11 | SSRXp2 | B2 | SSTXp2 |
| A12 | GND | B1 | GND |

PROPRIETARY NOTE:

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|---|----------------|--------|---|
| .X ± 0.30 | APPROVED: | |  REGO® http://www.rego.com.tw |
| .XX ± 0.20 | CHECKED: Chris | | |
| .XXX± 0.15 | Andy | | |
| X° ± 3' | DRAWN: Vic | | |
|  | UNITS: | SCALE: | TITLE: USB 3.1 Type C 24 Pins Right Angle SMT |
| | mm | NONE | PART NO: 9177USB31-F00040 |
| | | | SHEET: 1 OF 1 |