



PART NO: UC4273XLB03

ROHS Compliant

- 1-gold plated 1u"
- 2-gold plated 3u"
- 3-gold plated 6u"
- 4-gold plated 15u"
- 5-gold plated 20u"
- 6-gold plated 30u"
- 7-gold plated 50u"

RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS: 0.80MM;DEFAULT TOLERANCE:±0.05

NOTE:

- 1.MATERIAL SPECIFICATION: 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC(LCP),UL94 V-0.
- 2.CONTACTS: COPPER ALLOY(C1814)T=0.12mm
- 3.MID PLATE: STAINLESS STEEL(SUS301)T=0.20mm
- 4.EMI PLATE: STAINLESS STEEL(SUS301)T=0.10mm
- 5.SHELL: STAINLESS STEEL(SUS304)T=0.30mm

- 2-1.CONTACTS: NI 50u" MIN. UNDER PLATED OVER ALL. (GOLD PLATING THICKNESS FOLLOW THE P/N)
- 2-2.FRONT SHELL: NI 30u" MIN. UNDER PLATED OVER ALL.
- 2-3.MID PLATE: CLEAR ONLY

- 3.MECHANICAL PERFORMANCE: 3-1.INSERTION FORCE: 0.5~2.0kgf.
- 3-2.EXTRACTION FORCE: 0.8kgf~2.0kgf.
- 3-3.DURABILITY: 10000 CYCLES.
- 4.ELECTRICAL PERFORMANCE: 4-1. CURRENT RATING:5.0A VOLTAGE RATING:5.0V
- 4-2. I.CCR: VBUS & GND PINS AND OTHER PINS: 40mg/PIN MAX. SHIELD: 50mg/MAX. I.CCR 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: -25C~+85C.
- 6.I.R. REFLOW: THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260C.

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND

VITALCOM
a vital connector company

FOR YOUR VITAL CONNECTION

TITLE: USB C TYPE SMT 6.5 CONN

PART NO: UC4273XLB03

SIZE: A4

PROJECTION

TOLERANCE UNSPECIFIED

.0	±0.38
.00	±0.25
.000	±0.10
ANGLE	±3.00°

MANUFACTURING COPY

DRAWN BY: BECKER	CHECKED BY: VTA	APPROVED BY: QPF
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UNIT: mm

SHEET: 10F1

FCN: B1

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REV.	ECN. NO.	NAME	DATE