

< PIN ASSIGNMENTS >

PIN NO.	SIGNAL NAME	PIN NO.	SIGNAL NAME
A1	GND	B12	GND
A2	TX1+	B11	RX1+
A3	TX1-	B10	RX1-
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	D+	B7	D-
A7	D-	B6	D+
A7	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	RX2-	B3	TX2-
A11	RX2+	B2	TX2+
A12	GND	B1	GND

DR.	CHK.	APP.	DATE
Shun	Ren	Peter	2023.02.23
REV.	DESCRIPTION	DATE	
	New Version	2023.02.23	



TOLERANCE (UNLESS SPECIFIED)  
 X.X = ±0.25  
 X.XX = ±0.15  
 X.XXX = ±0.05  
 ANG. = ±2°



TITLE: USB Type C Female Side Entry Upright Type

DWG NO. USB310-001-P

SHEET 1/2  
 REV. 1

< TECHNICAL DATA >

1.MATERIL

- @ HOUSING: LCP,UL94V-0 RATED
- @ TERMINAL: COPPER ALLOY (T=0.12MM)
- @ MID PLATE: STAINLESS (T=0.15MM)
- @ SHELL: STAINLESS

2.PLATING

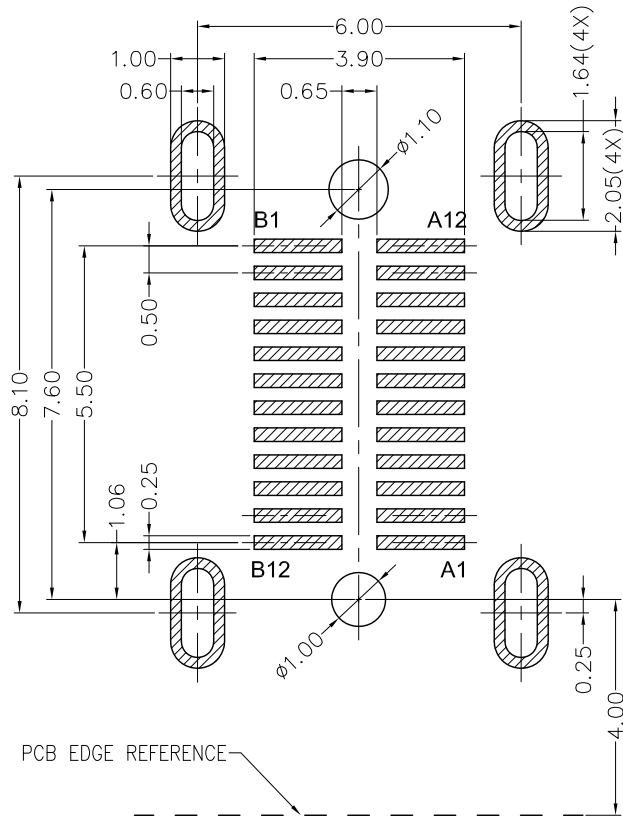
- @ TERMINAL: Au ON CONTACT AREA (SEE ORDER INFORMATION)  
Sn 60μ" MIN ON SOLDER AREA  
Ni 50μ" MIN UNDERPLATED OVERALL
- @ SHELL: Ni 30μ" MIN

3.ELECTRICAL REQUIREMENTS

- @ CURRENT RATING: 5A
- @ CURRENT VOLTAGE: 20V
- @ CONTACT RESISTANCE: 40mΩ MAX (INITIAL)  
50mΩ AFTER TEST.
- @ INSULATION RESISTANCE: 100M OHM MIN
- @ WITHSTANDING VOLTAGE: 100VAC

4.MECHANICAL REQUIREMENTS

- @ MATING FORCE: 5N~20N
- @ UNMATING FORCE: 8N~20N (INITIAL)  
6N~20N (AFTER STRESS)
- @ DURABILITY: 10,000 CYCLES
- @ OPERATING TEMPERATURE: -40°~+85°



RECOMMENDED PCB LAYOUT  
SCALE 2:1 ; TOLERANCE ±0.05

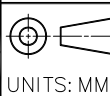
< ORDERING INFORMATION >

USB310 - 001 024 600 3

- Series No. USB Type C Female Side Entry Upright Type
- Interface Center Height 5.06mm
- Contact Position 24 Pin
- Packing 3: Tape & Reel
- Contact Plating 600: Selective G/F(1μ" Min.)

△	New Version	2023.02.23

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X.XXX = ±0.05
ANG. = ± 2'



TITLE: USB Type C Female Side Entry Upright Type

DWG NO. USB310-001-P

SHEET 2 / 2  
REV. 1