



RECOMMENDED P.C.B. LAYOUT (T:1.00mm)
TOLERANCE UNSPECIFIED ±0.05mm

NOTES:1.MATERIAL:
MOLDING: LCP UL94 V-0
CONTACT: COPPER ALLOY
GOLD PLATED 30u" Min ON CONTACT AREA, 100u"
Min TIN (LEAD FREE) ON SOLDER AREA,
SHELL: SUS304-H, T=0.30±0.03mm
50u" NICKEL PLATING OVER ALL.
SHILD: SUS304-H, T=0.12±0.03mm
2.MECHANICAL:
INSERTION: 5~20N.
EXTRACTION: 8~20N.
DURABILITY: 10000 CYCLES
3.ELECTRICAL:
CURRENT: 5A MIN FOR VBUS;
VOLTAGE: 5VAC MAX
0.25A MIN FOR OTHER
WITHSTANDING VOLTAGE: 100V AC.
CONTACT RESISTANCE: 40mΩ MAX.
INSULATION RESISTANCE: 100MΩ MIN.
4.ENVIRONMENTAL
TEMPERATURE RANGE -55°C ~ +85°C

USB TYPE-C FULL-PRATED RECEPTACLE INTERFACE PIN ASSIGNMENTS

Pin	Signal Name	Description	Pin	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SS1p1	Positive half of first SuperSpeed TX differential pair	B11	SS1p1	Positive half of first SuperSpeed TX differential pair
A3	SS1n1	Negative half of first SuperSpeed TX differential pair	B10	SS1n1	Negative half of first SuperSpeed TX differential pair
A4	Vbus	Bus Power	B9	Vbus	Bus Power
A5	CC1	Configuration Channel	B8	CC1	Configuration Channel
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dp1	Positive half of the USB 2.0 differential pair-Position 1
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dn1	Negative half of the USB 2.0 differential pair-Position 1
A8	RFU1	Reserved for Future Use (RFU)	B5	RFU1	Reserved for Future Use (RFU)
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A10	SS1n2	Negative half of second SuperSpeed TX differential pair	B3	SS1n2	Negative half of second SuperSpeed TX differential pair
A11	SS1p2	Positive half of second SuperSpeed TX differential pair	B2	SS1p2	Positive half of second SuperSpeed TX differential pair
		Ground return	B1	GND	Ground return

UNITS mm	SCALE 1:1	REV. B3	SHEET 1 OF 1
		DATE 2015.09.15	TITLE USB 3.1 C TYPE 母头立式SMT
GENERAL TOLERANCE		DR. Andy.Pi	MAT'L SEE TABLE
0. ±0.30		CHK. Andy.Pi	FINISH SEE TABLE
0.0 ±0.20		APPD. zhufagui	DWG.NO.
0.00 ±0.15			A
0.° ±4°			PART NO. USB 3.1F-2
0.0° ±2°			SIZE A4