



RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05
KEEP DUT ARE

Pin Name	Signal Name	Description	Pin Name	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTW1	Positive half of First SuperSpeed TX differential pair	B11	SSRW1	Positive half of First SuperSpeed RX differential pair
A3	SSTW1	Negative half of First SuperSpeed TX differential pair	B10	SSRW1	Negative half of First SuperSpeed RX differential pair
A4	VSS	Bus Power	B9	VSS	Bus Power
A5	CC1	Configuration Channel	B8	SRW2	Standard Use (SRW)
A6	DP1	Positive half of the USB 2.0 differential pair-Position 1	B7	DP2	Negative half of the USB 2.0 differential pair-Position 2
A7	DM1	Negative half of the USB 2.0 differential pair-Position 1	B6	DP2	Positive half of the USB 2.0 differential pair-Position 2
A8	SRW1	Standard Use (SRW)	B5	CC2	Configuration Channel
B0	VSS	Bus Power	B4	VSS	Bus Power
A10	SSRW2	Negative half of second SuperSpeed RX differential pair	B3	SSRW2	Negative half of second SuperSpeed TX differential pair
A11	SSRW2	Positive half of second SuperSpeed RX differential pair	B2	SSRW2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

NOTES: 1.MATERIAL: MOLDING: LCP UL94 V-0
CONTACT: COPPER ALLOY.
GOLD PLATED Min ON CONTACT AREA 100µ"

2.MECHANICAL: SHELL: SUS304-H,T=0.30±0.03mm
SHLD:SUS304-H,T=0.12±0.03mm ALL.

3.ELECTRICAL: CURRENT: 5A FOR VBUS; 1.25A FOR GND PIN. 0.25A FOR OTHER.

VOLTAGE: 20 V MAX WITHSTANDING VOLTAGE: 100V AC R.M.S. CONTACT RESISTANCE: 40mΩ MAX. INSULATION RESISTANCE: 100MΩ MIN.

4.ENVIRONMENTAL TEMPERATURE RANGE -25°C ~ +85°C

ITEM	PART NAME	TER'NO.	QTY.	MATERIAL	FINISHING	REMARK
③	Shell	---	1	STAINLESS STEEL	Ni Plated	
②	Contact	---	24	COPPER ALLOY	Au Plated	
①	Housing	---	1	LCP	Black	

APPROVALS	DATE	TITLE:
DRAWN JKUN.LU	2014.5.29	USB CONNECTOR
CHECKED		
APPROVALS		

HLPOE
ELECTRONICS CO.,LTD

ECN NO.	REV.	DATE.	DESCRIPTION.	CHANGE.	CHECK.	APPRO.	TOLERANCES ARE	ANGLE	UNIT:	SCALE:	PROJ:	SHEET
	A		NEW				30~Ø±, ±0.30 10~30 ±0.25 5~10 ±0.20 ~5 ±0.15	±2°	mm	1:1	PROJ: 1 OF 1	