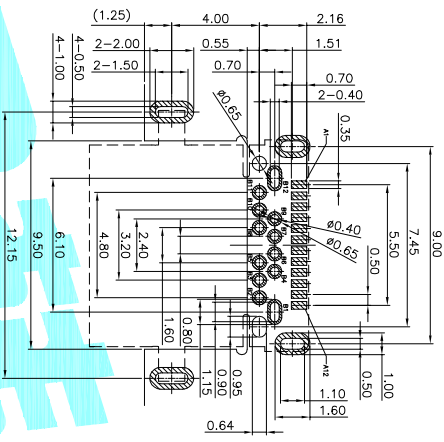
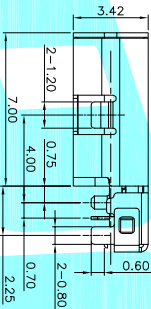
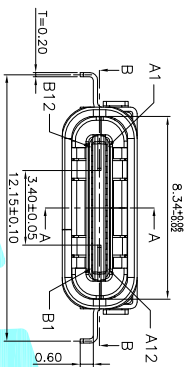


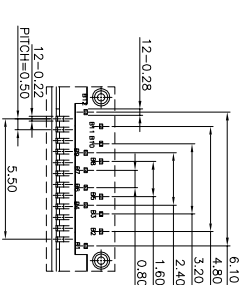
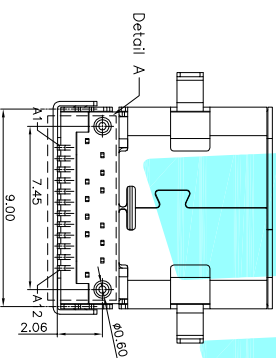
SECTION B-B



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



SECTION A-A



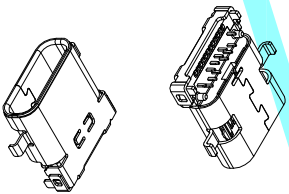
PIV	Signal Name	Description	PIV	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTVp1	Positive half of First SuperSpeed TX differential pair	B11	SSTRp1	Positive half of First SuperSpeed RX differential pair
A3	SSTVm1	Negative half of First SuperSpeed TX differential pair	B10	SSTRM1	Negative half of First SuperSpeed RX differential pair
A4	Yes	Bus Power	B9	Yes	Bus Power
A5	CC1	Configuration Channel	B8	SRR2	Standard Use (SR0)
A6	Dp1	USB 2.0 differential pair-Position 1	B7	Dm2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	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	SRL1	Standard Use (SR0)	B5	CC2	Configuration Channel
A9	Yes	Bus Power	B4	Yes	Bus Power
A10	SRRp2	Negative half of second SuperSpeed RX differential pair	B3	SSTRp2	Negative half of second SuperSpeed TX differential pair
A11	SRRM2	Positive half of second SuperSpeed RX differential pair	B2	SSTRM2	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,100u” Min TIN (LEAD FREE) ON SOLDER AREA, SHILD:SUS304-H,T=0.12±0.03mm

2.MECHANICAL: INSERTION: 5~20N EXTRACTION: 8~20N AFTER TEST. DURABILITY: 10000 CYCLES

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:
2014.5.29	USB CONNECTOR

DRAWN JKUN.LU

Hirose
ELECTRONICS CO.,LTD

ECN NO.	REV.	DATE.	DESCRIPTION.	CHANGE.	CHECK.	APPRO.
	A		NEW			

APPROVALS

PART NO.	SCALE:	PROJ.
TYPE-C-31-M-01	1:1	

TOLERANCES ARE

30~Ø1.1	Ø0.30	ANGLE	DRAWING NO.
10~30	±0.25	±2°	SHEET 1 OF 1
5~10	±0.20		
~5	±0.15		