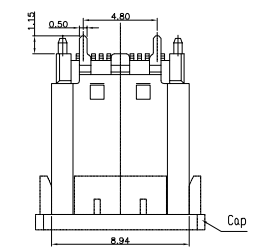
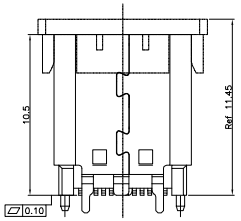
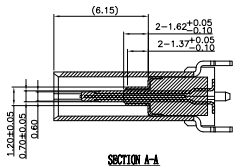
REV.	ECN NO OR DESCRIPTION	REVISED	DATE
1	REVISE NOTE	JACK	4/9-09'



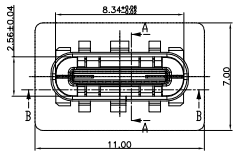


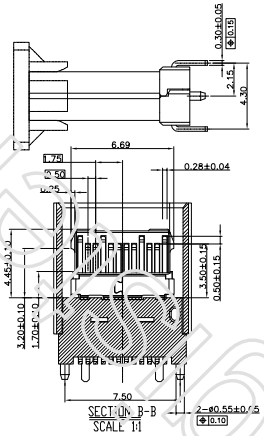


SECTION A-A
SCALE 1:1

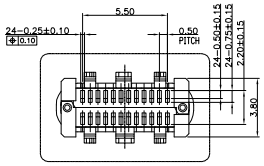
NOTES:

1.MECHANICAL:
INSERTION: 5~20N.
EXTRACTION: 8~20N.
DURABILITY: 10000 CYCLES
2.ELECTRICAL:
CURRENT: 5A MIN FOR VBUS;
0.25A MIN FOR OTHER.
VOLTAGE: 5VAC MAX
WITHSTANDING VOLTAGE: 100V AC.
CONTACT RESISTANCE: 40mΩ MAX.
INSULATION RESISTANCE: 100MΩ MIN.
3.ENVIRONMENTAL
TEMPERATURE RANGE -55°C ~ +85°C



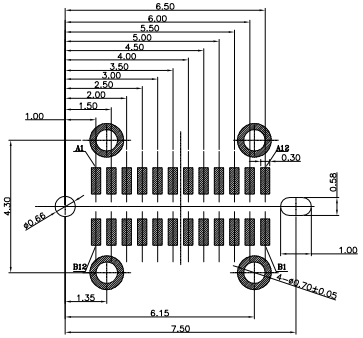


SECTION B-B
SCALE 1:1



USB TYPE-C FULL-FEATURED RECEPTACLE INTERFACE PIN ASSIGNMENTS

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of firs SuperSpeed TX differential pair	B11	SSTXp1	Positive half of firs SuperSpeed TX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSTXn1	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	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSRXn2	Negative half of second SuperSpeed RX differential pair
A11	SSRXn2	Positive half of second SuperSpeed RX differential pair	B2	SSRXn2	Positive half of second SuperSpeed RX differential pair
A12	GND	Ground return	B1	GND	Ground return



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

NO	DESCRIPTION	QTY	MATERIAL	PLATING & COLOR
4	SHILD	1	SUS304	
3	SHELL	1	SUS304	50u" NICKEL PLATING OVER ALL
2	CONTACT	24	COPPER ALLOY	GOLD PLATED 1u" Min ON CONTACT AREA, 100u"Min TIN (LEAD FREE) ON SOLDER AREA.
1	HOUSING	1	LCP UL94 V-0	BLACK/WHITE

UNLESS OTHERWISE SPECIFED TOLERANCES

DECIMALS:
X. :±0.20
X.X :±0.20
X.XX :±0.15
X.XXX :±0.10

ANGLES:
X :±1°
X.X:±0.05°

3G ENTERPRISE LIMITED

TITLE	USB C TYPE FAMALE SMT VERTICAL CONNECTOR			
DWN	JACK	PART NO. 2UB2441-04BR		
CHKD		SCALE: 1/1	UNIT: mm	
APVD		SIZE: A3	SHEET: 1OF 1	REV:A

CUSTOMER COPY

文件編號: RD-06-035-1A

Reject Release