

REV.	ECN. NO.	NAME	DATE
XA		LXH	2015/07/10
A		LXH	2015/12/25

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,

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;

0.25A MIN FOR OTHER.

VOLTAGE: 20 V MAX

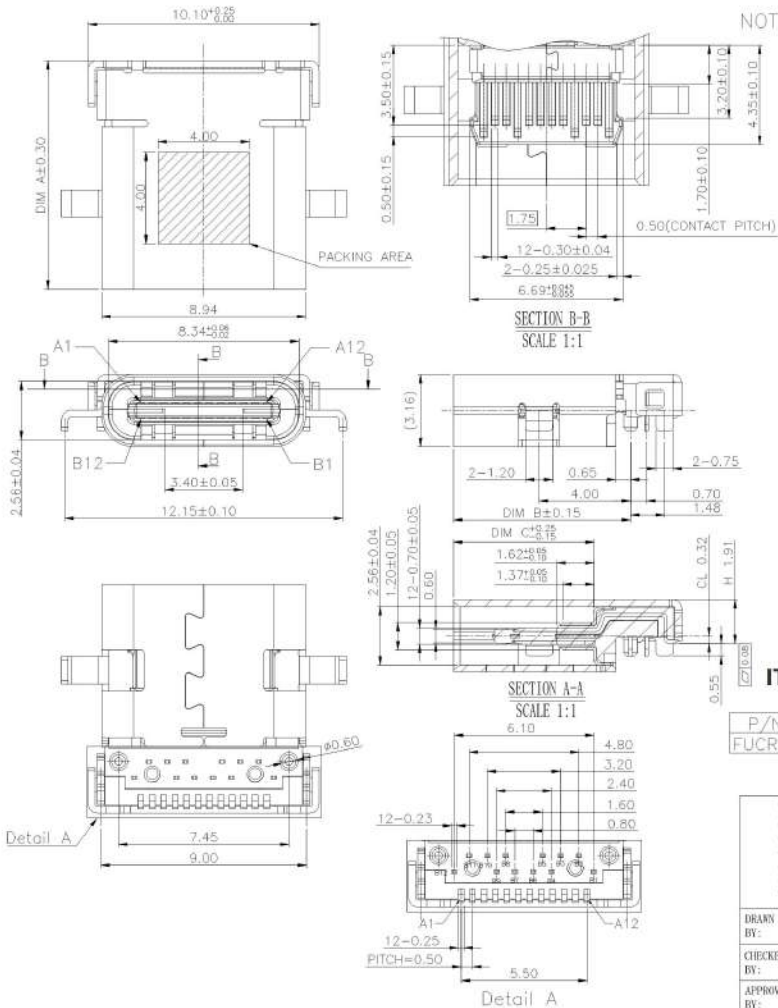
WITHSTANDING VOLTAGE: 100V AC.

CONTACT RESISTANCE: 40mΩ MAX.

INSULATION RESISTANCE: 100MΩ MIN.

4.ENVIRONMENTAL

TEMPERATURE RANGE -55°C ~ +85°C



ITEM:USB3.1 TYPE-C 24PF-008

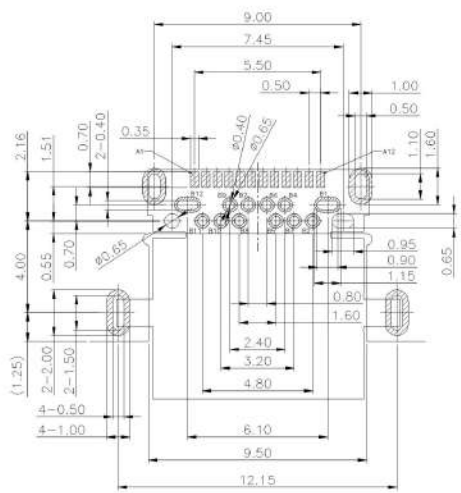
P/N:	DIM A	DIM B	DIM C
FUCR-247X-18XX	8.65	6.40	4.80

TOLERANCE UNSPECIFIED		TITLE:USB 3.1 C TYPE FEMALE SINK CONNECTOR		
.0	±0.50	SIZE:A4	UNIT:mm	PART NO. FUCR-247X-XXXX
.0	±0.38	CHECKED BY:	SCALE: 1:1	PROJECTION
.00	±0.25	APPROVED BY:	DWG. PATH	REV.: A
.000	±0.10			SHEET: 1/4
ANGLE	±3.00°			
CUSTOMER DRAWING				

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 first SuperSpeed TX differential pair	B11	SSRXp1	Negative half of first SuperSpeed RX differential pair
A3	SSTxn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Positive half of first SuperSpeed RX differential pair
A4	Vbus	Bus Power	B9	Vbus	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	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	SBU1	Sideband Use(SBU)	B5	CC2	Configuration Channel
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTx2	Positive half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTx1	Negative half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

ITEM:USB3.1 TYPE-C 24PF-008 RoHS Compliant



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

TOLERANCE UNSPECIFIED		TITLE:USB 3.1 C TYPE FEMALE SINK CONNECTOR		
.0	±0.50	SIZE:A4	UNIT:mm	PART NO. FUCR-247X-XXXX
.0	±0.38	CHECKED BY:	SCALE: 1:1	PROJECTION
.00	±0.25	APPROVED BY:	DWG. PATH	REV.: A
.000	±0.10			SHEET: 2/4
ANGLE	±3.00°			
CUSTOMER DRAWING				