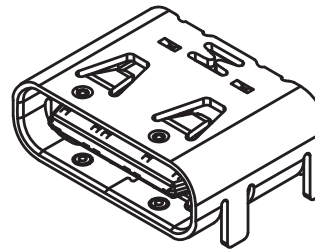


INTERFACE(FRONT VIEW)

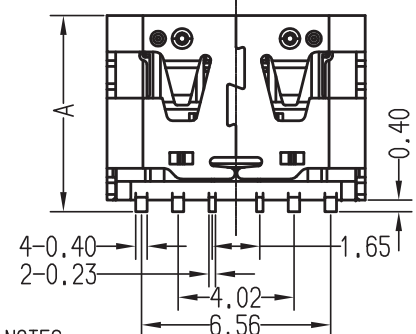
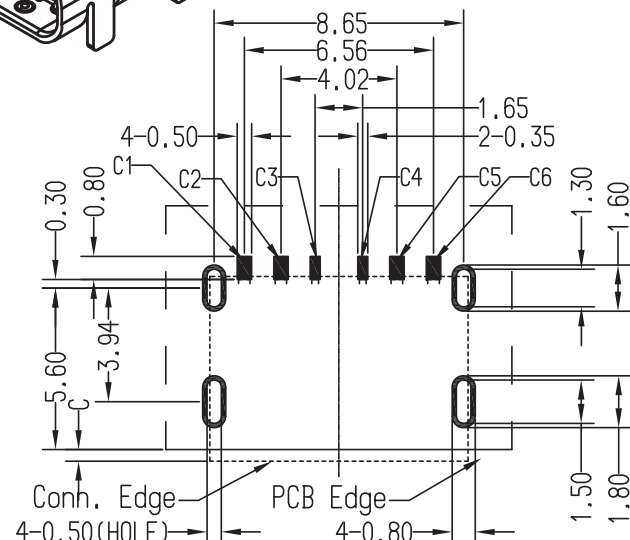
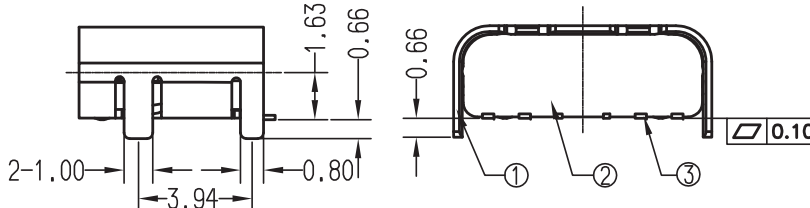
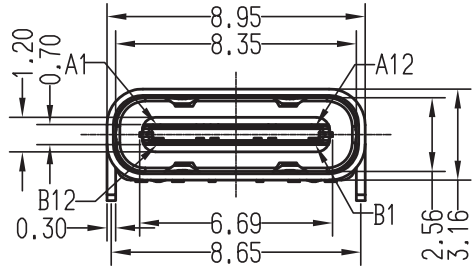
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	/	/	V <sub>BUS</sub>	CC1	/	/	/	V <sub>BUS</sub>	/	/	GND
GND	/	/	V <sub>BUS</sub>	/	/	/	CC2	V <sub>BUS</sub>	/	/	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

PIN ASSIGNMENT:

Pin No.	A1&B12	A4&B9	A5	B5	A9&B4	A12&B1
Signal Name	GND	V <sub>BUS</sub>	CC1	CC2	V <sub>BUS</sub>	GND
PCB PAD No.	C1	C2	C3	C4	C5	C6



Rev.	ECN No.	DESCRIPTION
A	2018/01/02	PUBLISH



PRODUCT NO.: KLT.11 2 - 10 \* \* - 0 2 4

Prefix Code  
Series Code  
USB Type C Conn.  
Connector Type  
2: Receptacle  
Pin Number 10: 10Pin  
Plating 1:Gold flash  
2:15u"Au  
3:30u"Au

Lead Free Code  
4=Halogen Free  
Package Code  
2=Tap/Reel  
Body&Terminal Type:  
Right Angle&SMT  
Extension Code

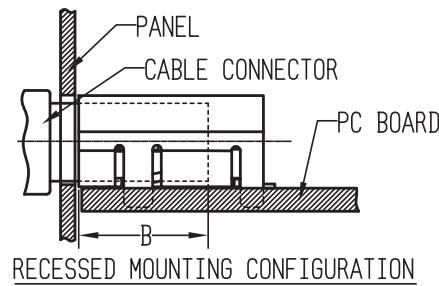
RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

PCB THICKNESS: 0.80±0.05mm  
DEFAULT TOLERANCE: ±0.05mm

NOTES:

- ELECTRICAL CHARACTERISTICS:
  - CONTACT CURRENT RATING:  
5.0A FOR V<sub>BUS</sub> PIN AND GND PIN,  
0.25A MIN FOR ALL OTHER TERMINALS.
  - CONTACT RESISTANCE:  
30MILLIOHM MAX FOR V<sub>BUS</sub> AND GND CONTACTS,  
50MILLIOHM MAX FOR ALL OTHER CONTACTS.
  - DIELECTRIC WITHSTANDING VOLTAGE:100 VRMS AC MIN.
  - INSULATION RESISTANCE:100 MEGOHMS MIN.
- MECHANICAL CHARACTERISTICS:
  - CONNECTOR INSERTION FORCE:5~20N.  
AT A MAXIMUN RATE OF 12.5MM PER SECOND.
  - CONNECTOR EXTRACTION FORCE:8~20N.  
AT A MAXIMUN RATE OF 12.5MM PER SECOND.
  - DURABILITY:10000 CYCLES.
  - OPERATING TEMPERATURE:-55° C TO +85° C.
- RECOMMENED PROCESS: IR REFLOW 260° C,3~5SECONDS.
- THE CONNECTOR IS RoHS COMPLIANT.

ITEM	PART No.	Dim A	Dim B	Dim C
1	KLT.112-10*1-024	6.50	4.40	0.10
2	KLT.112-10*2-024	6.80	4.70	0.40
3	KLT.112-10*3-024	8.30	6.20	1.90



NO.	DESCRIPTION	QTY	MATERIAL	TREATMENT
③	CONTACT	6	COPPER ALLOY	NICKEL UNDERPLATING OVER ALL, GOLD PLATING AT CONTACT AREA AND TERMINATION.
②	PLASTIC	1	THERMOPLASTIC UL 94V-0	MOLDED COLOR: BLACK.
①	SHELL	1	STAINLESS STEEL	TAB WITH LEAD FREE TIN ALLOY.

TOLERANCES UNLESS OTHERWISE SPECIFIED

X. / .XXX /  
.X ±0.25 X.° ±1°  
.XX ±0.15 .X.°

深圳市卡雷特科技有限公司

SERIES: USB TYPE C TITLE: Power, SMT TYPE

APPD: Be1 2018/01/02 PART No.: KLT.112-10\*\*024

CKD: Bruce 2018/01/02 DWG No.: CC0006

DR: John 2018/01/02

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UNITS	MAT'L	FINISH	SCALE	SHEET	REV.
MM	/	/	FULL	1/1	A