

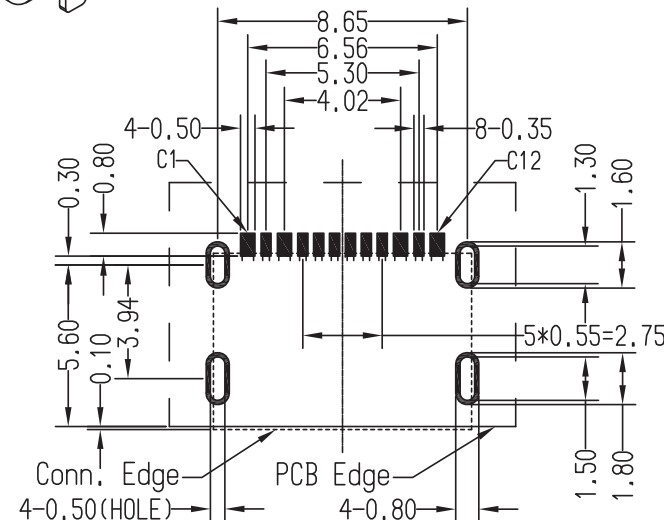
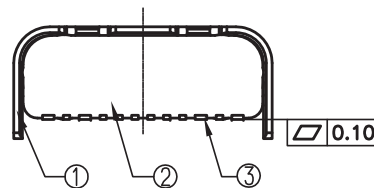
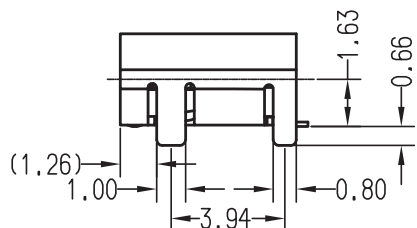
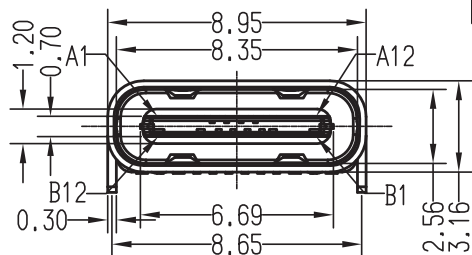
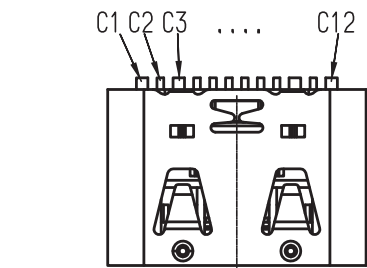
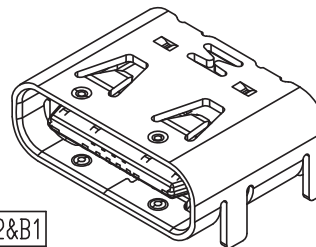
Rev.	ECN No.	DESCRIPTION
A	2018/01/02	PUBLISH

INTERFACE(FRONT VIEW)

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	/	/	V _{BUS}	CC1	D+	D-	SBU1	V _{BUS}	/	/	GND
GND	/	/	V _{BUS}	SBU2	D-	D+	CC2	V _{BUS}	/	/	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

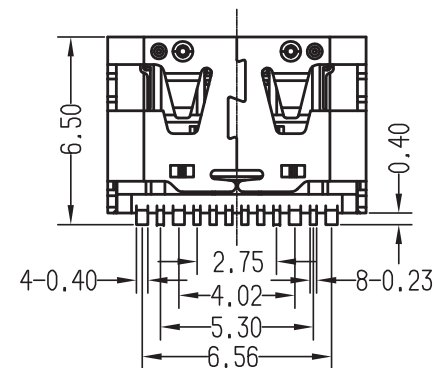
PIN ASSIGNMENT:

Pin No.	A1&B12	A5	A4&B9	A6	B8	B7	B6	B5	A7	A9&B4	A8	A12&B1
Signal Name	GND	CC1	V _{BUS}	D+	SBU2	D-	D+	CC2	D-	V _{BUS}	SBU1	GND
PCB PAD No.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12



RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

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



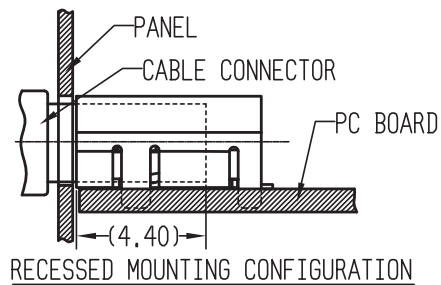
PRODUCT NO.: KLT.11 2 - 16 * * - 0 2 4

Prefix Code
Series Code
USB Type C Conn.
Connector Type
2: Receptacle
Pin Number 16: 16Pin
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

NOTES:

- ELECTRICAL CHARACTERISTICS:
 - CONTACT CURRENT RATING:
5.0A FOR V_{BUS} PIN AND GND PIN,
0.25A MIN FOR ALL OTHER TERMINALS.
 - CONTACT RESISTANCE:
30MILLIOHM MAX FOR V_{BUS} 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.



NO.	DESCRIPTION	QTY	MATERIAL	TREATMENT
③	CONTACT	12	COPPER ALLOY	NICKEL UNDERPLATING OVER ALL, GOLD PLATING AT CONTACT AREA AND SOLDERING AREA.
②	PLASTIC	1	THERMOPLASTIC UL 94V-0	MOLDED COLOR: BLACK.
①	SHELL	1	STAINLESS STEEL	TAB WITH GOLD PLATING.

TOLERANCES UNLESS OTHERWISE SPECIFIED

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

SHENZHEN KLT TECHNOLOGY Co.,LTD. 深圳市卡雷特科技有限公司

SERIES: USB TYPE C TITLE: USB2.0+PD, SMT TYPE

APPD: Be1 2018/01/02 PART No.: KLT.112-1611-024

CKD: Bruce 2018/01/02 DWG No.: CC0004-1

DR: John 2018/01/02

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