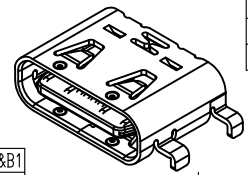


INTERFACE (FRONT VIEW)

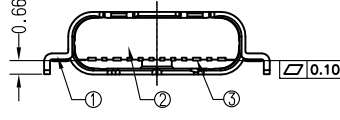
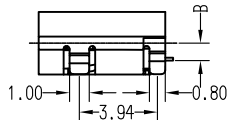
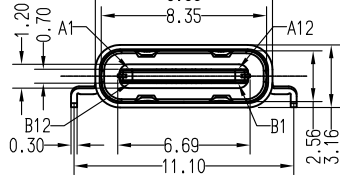
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	/	/	V <sub>BUS</sub>	CC1	D+	D-	SBU1	V <sub>BUS</sub>	/	/	GND
GND	/	/	V <sub>BUS</sub>	SBU2	D-	D+	CC2	V <sub>BUS</sub>	/	/	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

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 <sub>BUS</sub>	D+	SBU2	D-	D+	CC2	D-	V <sub>BUS</sub>	SBU1	GND
PCB PAD No.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12

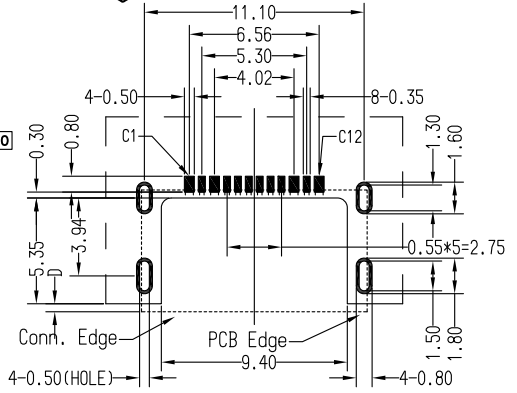


Rev.	ECN No.	DESCRIPTION
A	2018/01/02	PUBLISH



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



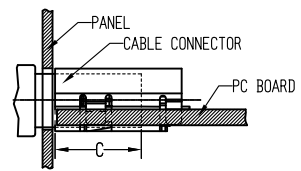
RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

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

NOTES:

1. ELECTRICAL CHARACTERISTICS:
  - 1-1. CONTACT CURRENT RATING: 5.0A FOR V<sub>BUS</sub> PIN AND GND PIN. 0.25A MIN FOR ALL OTHER TERMINALS.
  - 1-2. CONTACT RESISTANCE: 30MILLOHM MAX FOR V<sub>BUS</sub> AND GND CONTACTS. 50MILLOHM MAX FOR ALL OTHER CONTACTS.
  - 1-3. DIELECTRIC WITHSTANDING VOLTAGE: 100 VRMS AC MIN.
  - 1-4. INSULATION RESISTANCE: 100 MEGOHMS MIN.
2. MECHANICAL CHARACTERISTICS:
  - 2-1. CONNECTOR INSERTION FORCE: 5~20N. AT A MAXIMUM RATE OF 12.5MM PER SECOND.
  - 2-2. CONNECTOR EXTRACTION FORCE: 8~20N. AT A MAXIMUM RATE OF 12.5MM PER SECOND.
  - 2-3. DURABILITY: 10000 CYCLES.
  - 2-4. OPERATING TEMPERATURE: -55° C TO +85° C.
3. RECOMMENDED PROCESS: IR REFLOW 260° C, 3~5SECONDS.
4. THE CONNECTOR IS RoHS COMPLIANT.

ITEM	PART No.	Dim A	Dim B	Dim C	Dim D
1	KLT.112-16*4-024	6.50	0.88	4.40	0.10
2	KLT.112-16*5-024	6.80	0.88	4.70	0.40
3	KLT.112-16*6-024	8.30	0.88	6.20	1.90
4	KLT.112-16*7-024	6.50	0.48	4.40	0.10
5	KLT.112-16*8-024	6.80	0.48	4.70	0.40
6	KLT.112-16*9-024	8.30	0.48	6.20	1.90



RECESSED MOUNTING CONFIGURATION

③	CONTACT	12	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.
NO.	DESCRIPTION	QTY	MATERIAL	TREATMENT
TOLERANCES UNLESS OTHERWISE SPECIFIED				
X. / .XXX /		深圳市卡雷特科技有限公司		
.X ±0.25 X.* ±1°				
.XX ±0.15 .X°				
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SERIES:		USB TYPE C		
TITLE:		USB2.0+PD, SMT TYPE		
APPD:		Bel 2018/01/02		PART No.:
CKD:		Bruce 2018/01/02		KLT.112-16**024
DR:		John 2018/01/02		DWG No.:
				CC0005
UNITS		MAT'L		FINISH
MM		/		/
SCALE		SHEET		REV.
FULL		1/1		A