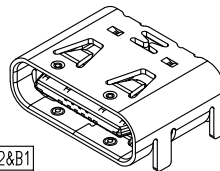


INTERFACE (FRONT VIEW)

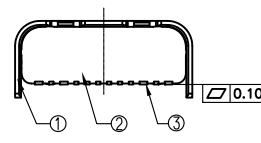
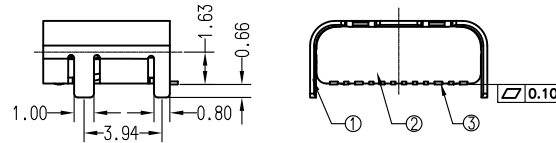
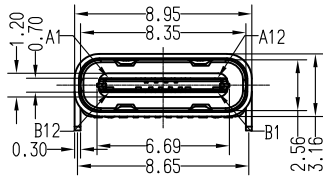
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	/	/	V _{BUS}	CC1	D+	D-	SBU1	V _{BUS}	/	/	GND
GND	/	/	V _{BUS}	SBU2	D-	D+	CC2	V _{BUS}	/	/	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

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



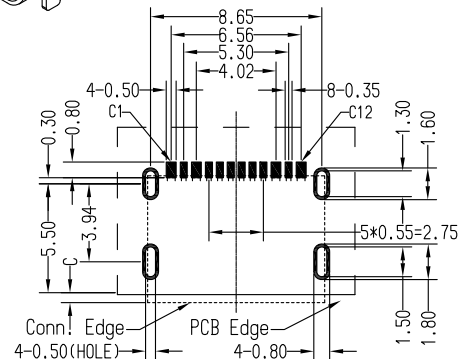
Rev.	ECN No.	DESCRIPTION
A	2018/01/02	PUBLISH



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: 15uAu
3: 30uAu

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



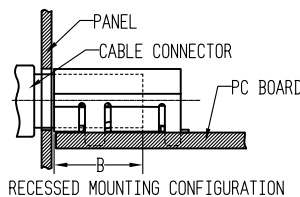
RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

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

NOTES:

- ELECTRICAL CHARACTERISTICS:
 - CONTACT CURRENT RATING:
5.0A FOR V_{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 MAXIMUM RATE OF 12.5MM PER SECOND.
 - CONNECTOR EXTRACTION FORCE: 8~20N.
AT A MAXIMUM RATE OF 12.5MM PER SECOND.
 - DURABILITY: 10000 CYCLES.
 - OPERATING TEMPERATURE: -55°C TO +85°C.
- RECOMMENDED PROCESS: IR REFLOW 260°C, 3~5SECONDS.
- THE CONNECTOR IS RoHS COMPLIANT.

ITEM	PART No.	Dim A	Dim B	Dim C
1	KLT.112-16*1-024	6.50	4.40	0.10
2	KLT.112-16*2-024	6.80	4.70	0.40
3	KLT.112-16*3-024	8.30	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				深圳市卡雷特科技有限公司 SERIES: USB TYPE C APPD: Be1 2018/01/02 CKD: Bruce 2018/01/02 DR: John 2018/01/02				
X.	/	.XXX	/					
.X	±0.25	X.°	±1°					
.XX	±0.15	.X°						
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			UNITS: MM	MAT'L: /	FINISH: /	SCALE: FULL	SHEET: 1/1	REV. A