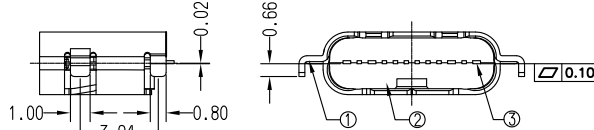


INTERFACE (FRONT VIEW)

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:

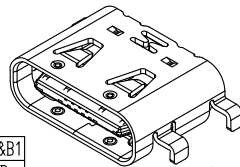
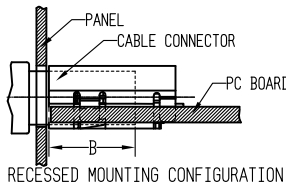
Pin No.	A1&B12	B8	A4&B9	B7	A5	A6	A7	A8	B6	A9&B4	B5	A12&B1
Signal Name	GND	SBU2	V _{BUS}	D-	CC1	D+	D-	SBU1	D+	V _{BUS}	CC2	GND
PCB PAD No.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12



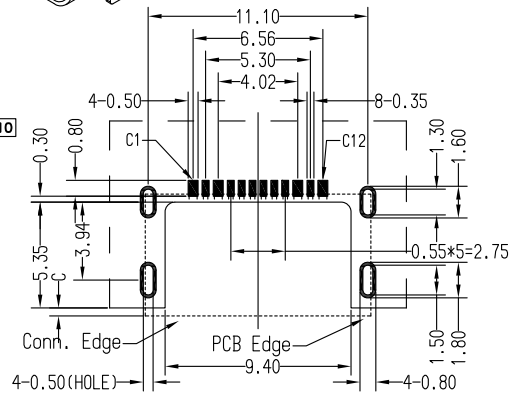
PRODUCT NO.: KLT.11 2 - 16 * * - 0 2 4

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

ITEM	PART No.	Dim A	Dim B	Dim C
1	KLT.112-16*A-024	6.50	4.40	0.10
2	KLT.112-16*B-024	6.80	4.70	0.40
3	KLT.112-16*C-024	8.30	6.20	1.90



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



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.

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	/	
.X	±0.25	X.	±1°	
.XX	±0.15	.X°		
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF SUZHOU NEIHU COMMUNICATION TECHNOLOGY CO.,LTD. AND SHALL NOT BE REPRODUCED, COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF SUZHOU NEIHU COMMUNICATION TECHNOLOGY CO.,LTD.				
SERIES:			TITLE:	
APPD: Be1 2018/01/02			USB TYPE C	
CKD: Bruce 2018/01/02			PART No.:	
DR: John 2018/01/02			KLT.112-16**024	
			DWG No.:	
			CC0007	
UNITS		MAT'L	FINISH	SCALE
MM		/	/	FULL
SHEET		1/1	REV. A	

深圳市卡雷特科技有限公司