

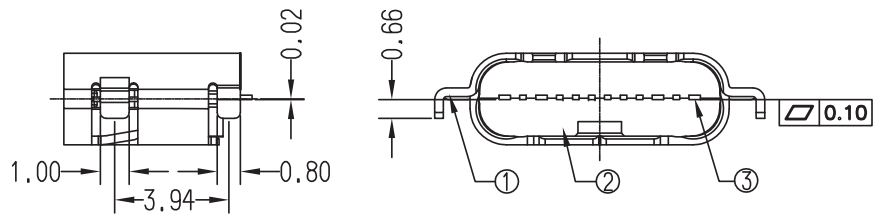
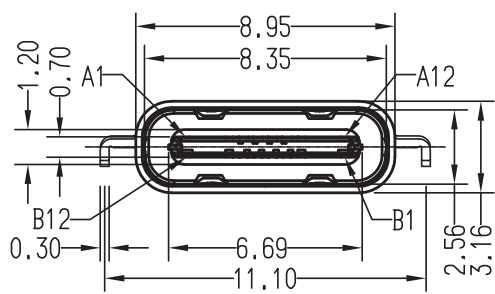
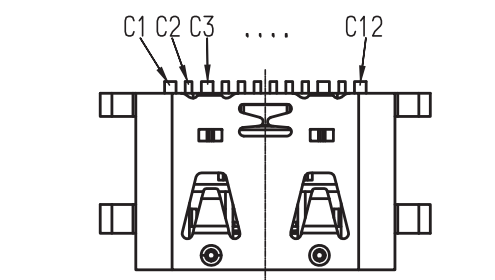
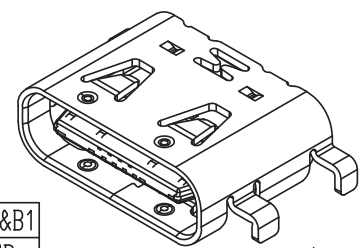
Rev.	ECN No.	DESCRIPTION
A	2018/01/02	PUBLISH

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:

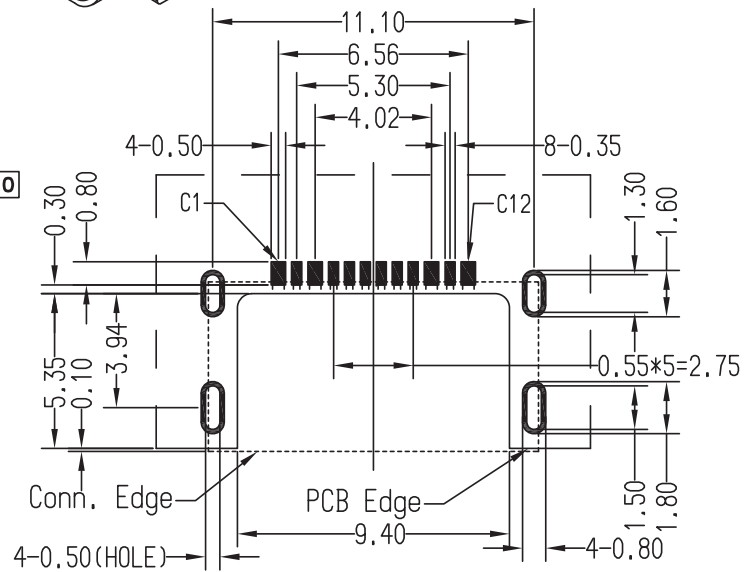
Pin No.	A1&B12	B8	A4&B9	B7	A5	A6	A7	A8	B6	A9&B4	B5	A12&B1
Signal Name	GND	SBU2	V _{BUS}	D-	CC1	D+	D-	SBU1	D+	V _{BUS}	CC2	GND
PCB PAD No.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12



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

Prefix Code: 11
Series Code: 2
USB Type C Conn.: 16
Connector Type: 2 (Receptacle)
Pin Number 16: 16Pin
Plating: 1: Gold flash, 2: 15u²Au, 3: 30u²Au

Lead Free Code: 4 (Halogen Free)
Package Code: 2 (Tap/Reel)
Body&Terminal Type: Right Angle&SMT
Extension Code: 024

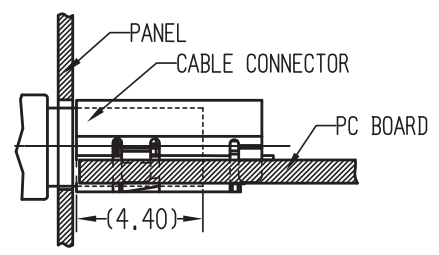


RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

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.
- RECOMMENED PROCESS: IR REFLOW 260° C, 3~5SECONDS.
- THE CONNECTOR IS RoHS COMPLIANT.



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	/
.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

GTC 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.112-161A-024

CKD: Bruce 2018/01/02
DWG No.: CC0007-1

DR: John 2018/01/02