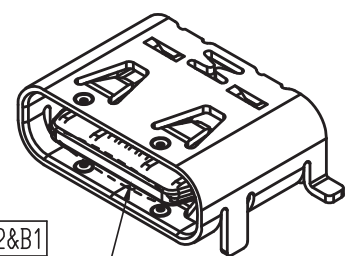


INTERFACE (FRONT VIEW)

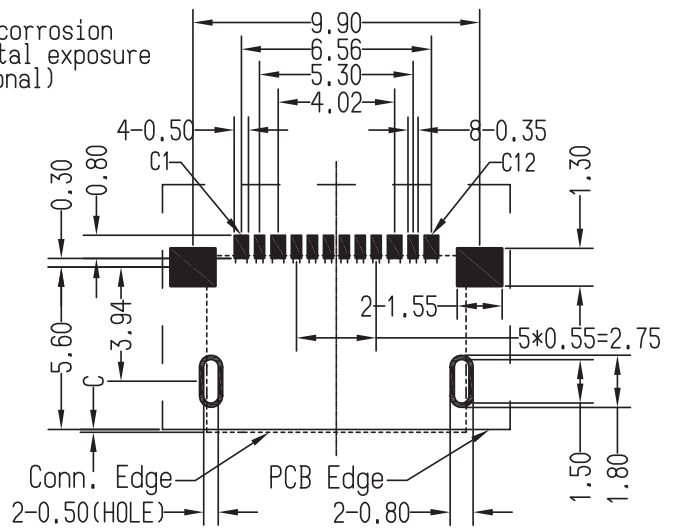
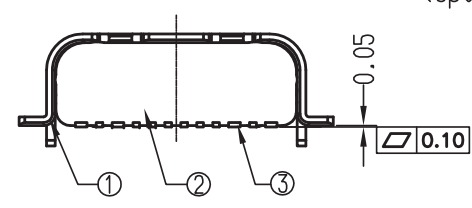
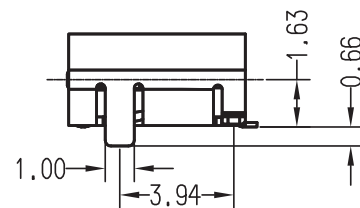
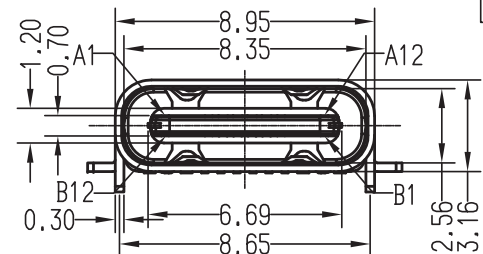
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	/	/	V _{BUS}	CC1	D+	D-	SBU1	V _{BUS}	/	/	GND
GND	/	/	V _{BUS}	SBU2	D-	D+	CC2	V _{BUS}	/	/	GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

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

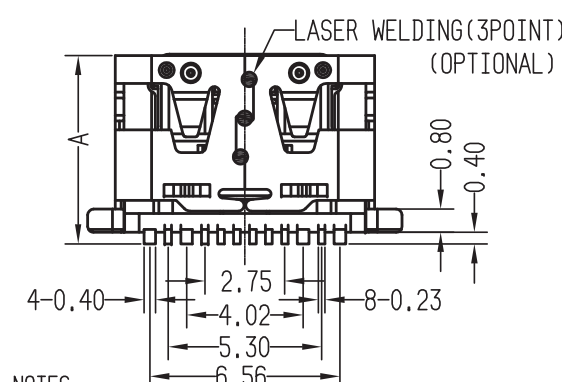


Anti-corrosion
No metal exposure
(Optional)



RECOMMENDED P.C.B LAYOUT (COMPONENT SIDE)

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



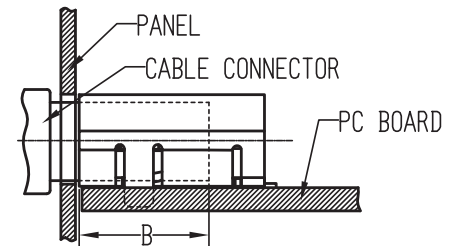
PRODUCT NO.: KLT.11 2 - 16 * * - 0 2 4 (*)

Prefix Code
Series Code
USB Type C Conn.
Connector Type
Pin Number 16: 16Pin
Plating 1:Gold flash
2:15u"Au
3:30u"Au
7:Gold flash & Black Shell
Extension Code

Spec.Code(Optional)
1:Spring stronger
2:Laser Welding
3:Anti-corrosion
Lead Free Code
4:Halogen Free
Package Code
2=Tap/Reel
Body&Terminal Type:
0=Right Angle&SMT

- NOTES:
- ELECTRICAL CHARACTERISTICS:
1-1. CONTACT CURRENT RATING:
5.0A FOR V_{BUS} PIN AND GND PIN.
0.25A MIN FOR ALL OTHER TERMINALS.
1-2. CONTACT RESISTANCE:
30MILLIOHM MAX FOR V_{BUS} AND GND CONTACTS.
50MILLIOHM MAX FOR ALL OTHER CONTACTS.
1-3. DIELECTRIC WITHSTANDING VOLTAGE:100 VRMS AC MIN.
1-4. INSULATION RESISTANCE:100 MEGOHMS MIN.
 - MECHANICAL CHARACTERISTICS:
2-1. CONNECTOR INSERTION FORCE:5~20N.
AT A MAXIMUN RATE OF 12.5MM PER SECOND.
2-2. CONNECTOR EXTRACTION FORCE:8~20N.
AT A MAXIMUN RATE OF 12.5MM PER SECOND.
2-3. DURABILITY:10000 CYCLES.
2-4. OPERATING TEMPERATURE:-55°C TO +85°C.
 - RECOMMENED 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*D-024(*)	6.50	4.40	0.10
2	KLT.112-16*E-024(*)	6.80	4.70	0.40
3	KLT.112-16*F-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

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

深圳市卡雷特科技有限公司

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

APPD: Be1 2018/10/25
PART No.: KLT.112-16**024(*)

CKD: Bruce 2018/10/25
DWG No.: CC0009

DR: John 2018/10/25

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UNITS	MAT'L	FINISH	SCALE	SHEET	REV.
MM	/	/	FULL	1/1	X2