



Electrical
 Current Rating: 3.0A Max
 Voltage: 100 VAC
 Contact Resistance: 40mΩ Max
 Insulation Resistance: 100MΩ Min.

Mechanical
 Operating Temperature: -30°C TO +85°C.
 Insertion Force : 5~20N
 Unmating Force: 8~20N
 Durability: 10000 Cycles

Order Information

L-KLS1- 5451 - R

RoHS
 USB Type C
 Male Connector
 Packing: REEL with CAP

Pin	Signal Name	Pin	Signal Name
A1	GND	B12	GND
A2	SSTXP1	B11	SSRXN1
A3	SSTXN1	B10	SSRXN1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXN2	B3	SSTXN2
A11	SSRXP2	B2	SSTXP2
A12	GND	B1	GND

RECOMMENDED PCB LAYOUT
 GENERAL TOLERANCE: ±0.05

TOLERANCE	PROJECTION	UNITS	SHEET	Draw:	Date	Description:
.X ±0.30		mm	A4	Daniel	2018-03-01	USB Type C Male, 24P VERT SMD
.XX ±0.20						KLS P/N: KLS1-5451
.XXX ±0.10						NingBo KLS ELECTRONIC CO.,LTD.
X. ±2°						
.X ±1°						
.XX ±0.5°						

No.	Name	DESCRIPTION
6	Cover	HIGH TEMPERATURE PLASTIC,Black
5	SPRING	Stainless Steel;
4	LATCH	Stainless Steel,Sn plated
3	Shell	Stainless Steel,Nickel plated
2	Contact	Copper Alloy,Au/Nickel plated
1	Housing	LCP+30% G.F,Black,UL 94V-0
No.:	Name	DESCRIPTION