



**RECOMMENDED PCB LAYOUT**  
**GENERAL TOLERANCE: ±0.05**

**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 : 5N~20N  
 Unmating Force: 8N~20N  
 Durability: 10000 Cycles

**Order Information**

L-KLS1- 5429  
 USB Type C  
 Female Connector  
 RoHS

|     |             |     |             |
|-----|-------------|-----|-------------|
| A1  | GND         | B12 | GND         |
| A4  | VBUS        | B9  | VBUS        |
| A5  | CC1         | B5  | CC2         |
| A6  | DP1         | B7  | DN2         |
| A7  | DN1         | B6  | DP2         |
| A9  | VBUS        | B4  | VBUS        |
| A12 | GND         | B1  | GND         |
| Pin | Signal Name | Pin | Signal Name |

|      |                 |                                 |      |
|------|-----------------|---------------------------------|------|
| 5    | Shell           | Stainless Steel; Ni/Sn plated   | 1PCS |
| 4    | Spring          | Stainless Steel;                | 1PCS |
| 3    | Shielding Plate | Stainless Steel; Nickel plated  | 1PCS |
| 2    | Contact         | Copper Alloy, Au /Nickel plated | 1SET |
| 1    | Housing         | High Temperature Plastic, Black | 1PCS |
| No.: | Name            | DESCRIPTION                     | Q'TY |

|            |            |                                     |
|------------|------------|-------------------------------------|
| TOLERANCE  | PROJECTION | Description:                        |
| .X ±0.30   | UNITS      | USB Type C Female CONN. 14P DIP+SMD |
| .XX ±0.20  | SHEET      | KLS P/N: KLS1-5429                  |
| .XXX ±0.10 | Draw:      | Daniel                              |
| X. ±2°     | Check:     | Daniel                              |
| .X ±1°     | Date       | 2018-03-01                          |
| .XX ±0.5°  |            |                                     |

