



RECOMMENDED P.C.B. LAYOUT  
TOLERANCE UNSPECIFIED ±0.05mm  
Product Edge

A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND
Pin	SIGNAL NAME	Pin	SIGNAL NAME

**Material**  
Housing: High Temperature Plastic, Black  
Contact: Copper Alloy, Au/Ni Plated  
Shielding Plate: Stainless Steel, Ni Plated  
Spring: Stainless Steel  
Shell: Stainless Steel, Ni/Sn Plated  
MD: High Temperature Plastic, Black

**Electrical**  
Current Rating: 1.5A Max  
Voltage: 100 Vac  
Contact Resistance: 40 Milliohm Max  
Insulation Resistance: 100 Megohms Min.

**Mechanical**  
Operating Temperature: -30°C TO +85°C.  
Insertion Force: 5n ~ 20n  
Umating Force: 8n ~ 20n

**Order Information**

L-KLS1- 5416 - B  
Color-B=Black  
USB C F TYPE  
RoHS

GENERAL TOLERANCE		ANGLE TOLERANCE		PROJECTION		Description:
X	±0.60	X	±5°	UNITS	min	
X	±0.38	X	±3°	SHEET SIZE	A4	USB C F TYPE
XX	±0.25	XX	±2°	KLS P/N:	KLS1-5416	
Draw by: Date		2018-03-01				
Check by: Date		2018-03-01				
SCALE	SHEET	OF				