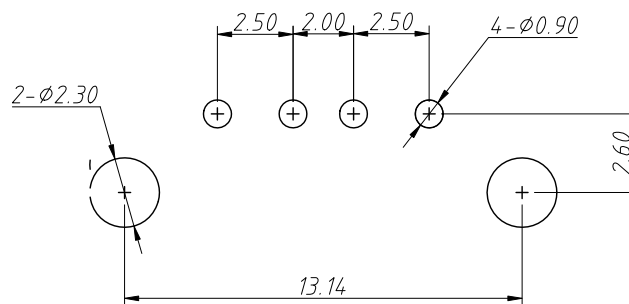
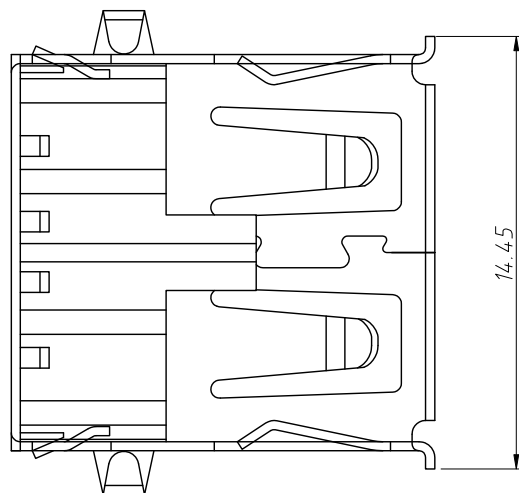
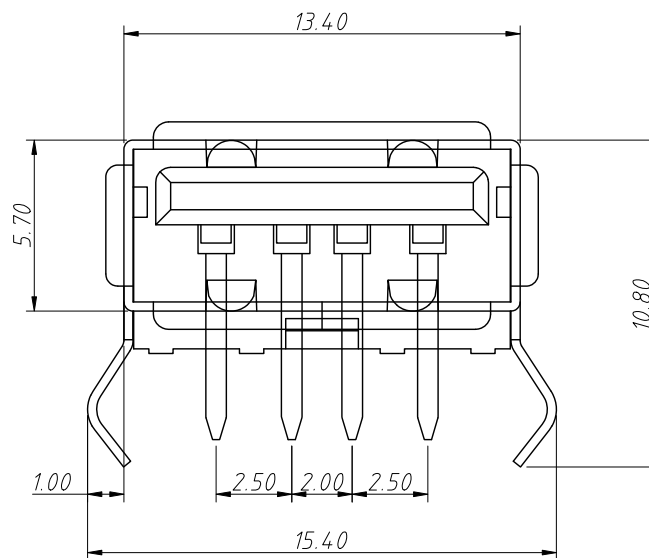
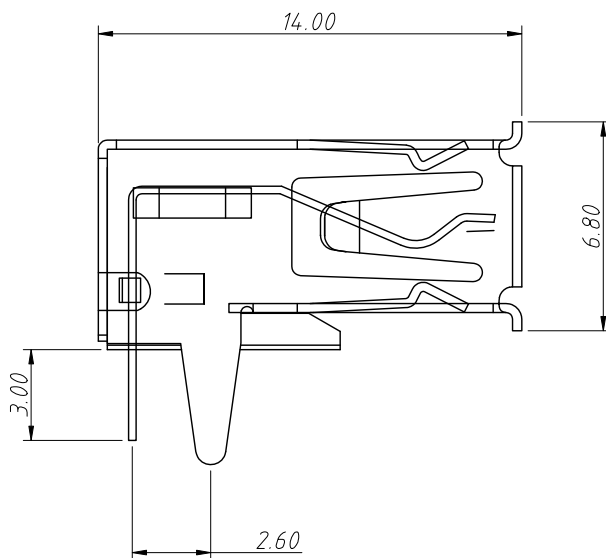


RoHS Compliance

REV	SYM	Revision Record	Appr.	Date
V0	KLS01323	New Version Release	Song	2025-08-04
V1	△	Specifications Change	Song	2026-09-14



Recommended PCB Layout
Tolerance: $\pm 0.05\text{mm}$

Material

Housing: Hing Temperature Thermoplastic, UL 94 V-0
PBT/LCP, Black/White.

Contact: Copper Alloy C2680.

Shell: Copper Alloy C2680/SPCC.

Finish:

Contact: Plated Gold In Mating Area, Tin On Solder Talls.

Shell: Nickel Plating

Electrical:

Current Rating: 1.5A/Contact Terminal.

Voltage Rating: 30V DC

Contact Resistance: 30 milliohms Max

Dielectric Withstanding Voltage: 500 V AC AT Sea Level

Insulation Resistance: 1000 MEGA ohms Min

Connector Mate and Unmated Force

Mate Force: 3.75kgf Max

Unmated Force: 1.02kgf Min

Terminal Retention: 1.2kgf Min

Order Information

L-KLS1- 181A- x

RoHS

USB Series

Insulation Color

B=Black W=White

ANGLE TOLERANCE		PROJECTION		Description:	
$\pm 3^\circ$				USB 2.0 Connector	
GENERAL TOLERANCE		UNITS	mm	KLS P/N:	L-KLS1-181A-x
x.x	± 0.30	SHEET SIZE	A4		
x.xx	± 0.20	Draw:	Song	2025-08-04	NingBo KLS ELECTRONIC CO.,LTD.
x.xxx	± 0.10	Check:	Daniel	2025-08-04	