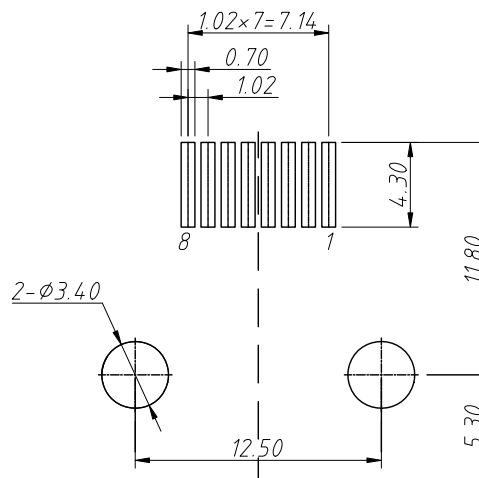
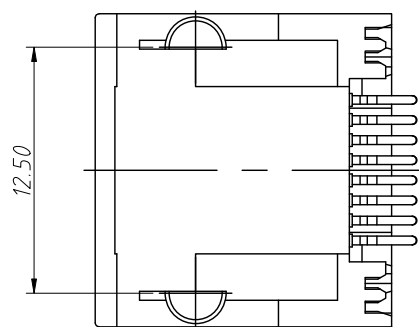
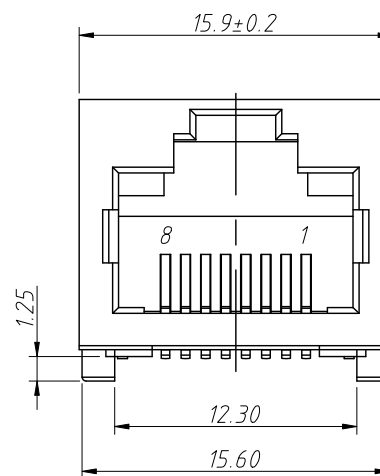
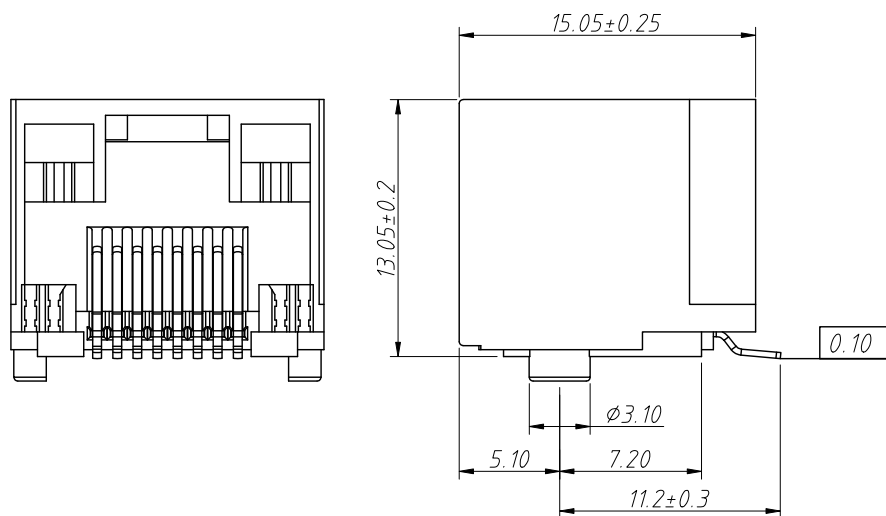


RoHS Compliance



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



REV	SYM	Revision Record	Appr.	Date
V1	KLS12006	structural change	Song	2025-09-20

Material:

Housing: LCP, UL 94 V-0 Black

Contact: C5191(QSn6.5-0.1) Phosphor Bronze, $T=0.30\text{mm}$

Gold Plating On Contact Area,

Tails Plating Tin Over Nickel

Electrical:

Voltage Rating: 125 VAC

Current Rating: 1.5A

Contact Resistance: $30\text{m}\Omega$ Max

Insulation Resistance: $500\text{M}\Omega$ Min @500V DC

Dielectric Strength: 1000V AC 50Hz or 60Hz, 1Min

Mating/Unmating Force: 20N Max

Retention Strength: 50N pendant $60\pm 5\text{s}$

Operating Life: 750 Cycles Min

Storage Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$, Relative Humidity < 70%

Operation Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Order Information

L-KLS12-SMT12-8P8C-N-01-R

RoHS

Contacts: 8P8C

Shield Code: N-Without Shield

Plating Code:

01=Fu" Gold Plating 02=3u" Gold Plating

03=6u" Gold Plating 04=15u" Gold Plating

05=30u" Gold Plating

Packing: R=Reel P=Blister Tray

ANGLE TOLERANCE	PROJECTION	Description:	RJ45-8P8C SMD Jack	
$\pm 3^{\circ}$			Horizontal, without Shielded	
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS12-SMT12-8P8C-N-XX-X
x.x ± 0.30	SHEET SIZE	A4		
x.xx ± 0.20	Draw:	Song	2025-09-20	NingBo KLS ELECTRONIC CO.,L TD.
x.xxx ± 0.10	Check:	Daniel	2025-09-20	