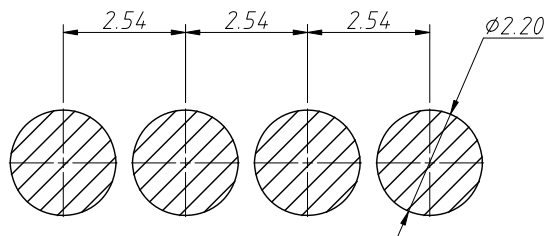
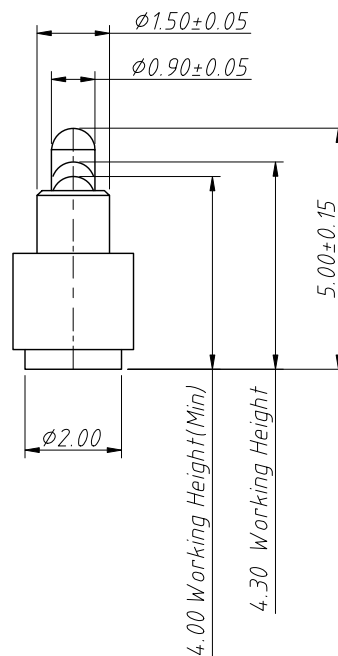
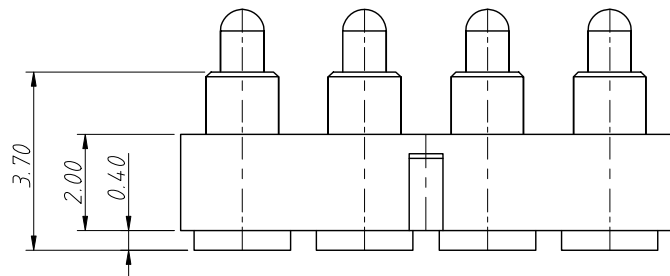
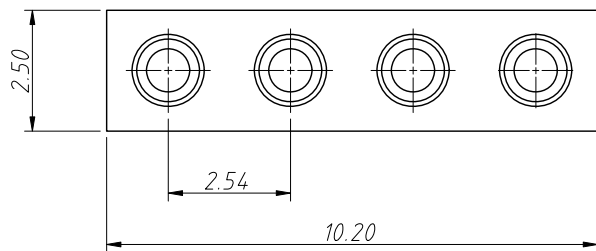


1
RoHS Compliance

6		7		8	
REV	SYM	Revision Record		Appr.	Date
V0	KLS014-72	New Version Release		Song	2024-10-17



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

Technical Requirements:

1. Materials

Needle Shaft: Lead free copper C6801, 10u" Gold Plating Min On The Surface And 50-100u" Nickel Plating On The Bottom Layer
Needle Tube: Lead free copper C6801, 1u" Gold Plating Min On The Surface And 50-100u" Nickel Plating On The Bottom Layer
Spring: Stainless Steel 304
Rubber Core: High Temperature Resistant Plastic, Black, UL 94 V-0
Cap: High Temperature Resistant Plastic, Black, UL 94 V-0

2. Mechanical:

Single Needle Elasticity: At Working Height, The Elasticity Is $0.7N \pm 0.2N$
Mechanical Life: 10000 Forward Compression Times At Working Height

3. Electrical:

Rated Voltage And Current: DC 30V, 2A
Contact impedance: 100 milliohms Max (static)

4. Environment

Working Temperature Range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Working Humidity Range: 10% RH to 90% RH
Solder Heat Resistance: $260^{\circ}\text{C} \pm 5^{\circ}\text{C}$, Time: $10\text{s} \pm 2\text{s}$
Meet RoHS 2.0 environmental protection requirements

5. Package: Reel

6. To Ensure The Best Use Condition, Please Set The Working Height As Specified In The Engineering Drawing Used Within The Range And Cannot Exceed The Maximum Compression Stroke

ANGLE TOLERANCE	PROJECTION	Description:			
$\pm 3^{\circ}$			4 Pin Pogo Pin Connector		
GENERAL TOLERANCE	UNITS	mm	KLS P/N:	L-KLS1-4PGC01-5x4.3x4-R	
0-6	± 0.10	SHEET SIZE	A4		
6-30	± 0.20	Draw:	Song	2024-10-17	
30-120	± 0.30	Check:	Daniel	2024-10-17	

NingBo KLS ELECTRONIC CO.,L TD.