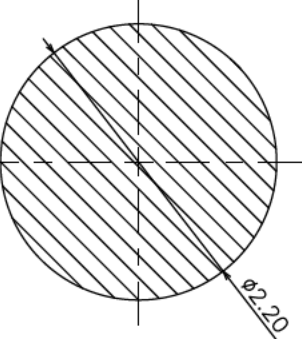
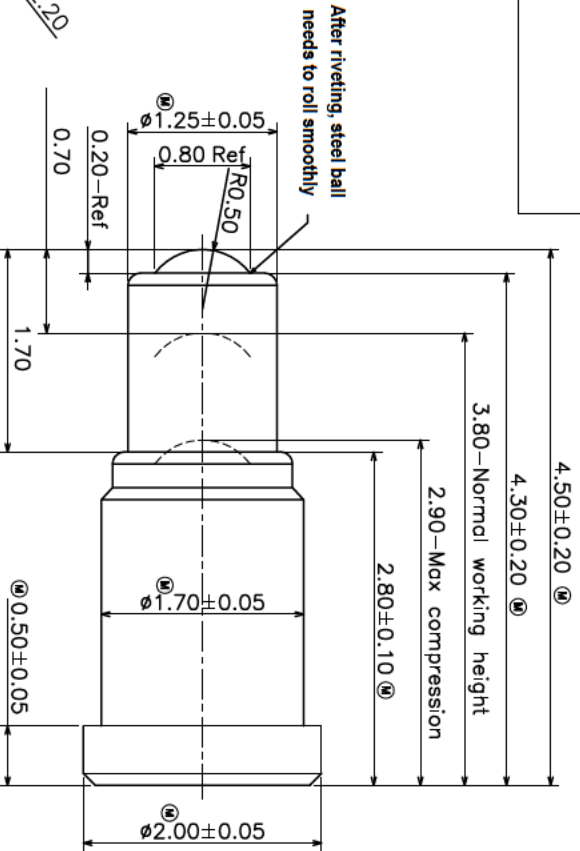
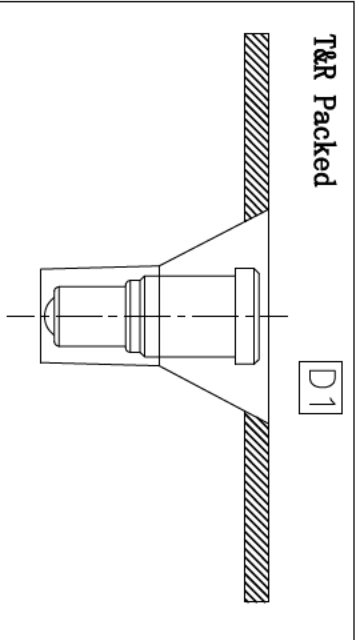


ECN / ECN No.	REV.	DATE	DESCRIPTION
N/A	D0	2022-07-30	
N/A	D1	2023-02-07	Change T&R package



Recommended pcb layout  
Layout tolerance: ±0.05mm

- NOTE(技术规范):**
- Material(材料):**
    - Plunger(针轴):Lead Free Copper(无铅黄铜).
    - Barrel(针管):Lead Free Copper(无铅黄铜).
    - Spring(弹簧):SUS304(不锈钢304).
    - Ball(钢珠):SUS304(不锈钢304).
  - Surface treatment(表面处理):**
    - Plunger:Plating 10u" Au Min over 50~100u" Ni.
    - 针轴:电镀底50~100u" , 再表面镀金10u" 最小).
    - Barrel:Plating 10u" Au Min over 50~100u" Ni.
    - 针管:电镀底50~100u" , 再表面镀金10u" 最小).
    - Ball:Plating 15u" Pd Min over 20u" PdNi Min over 40~80u" Ni.
    - 钢珠:先电镀底40~80u" , 再镀钯镍20u" 最小, 再镀钼15u" 最小).
    - Spring:No need plating treatment.
    - 弹簧:表面不需要电镀处理).
  - Electrical(电气特性):**
    - Rated current & voltage: DC 12V, 2.0A Max.
    - (电压&电流:直流12V, 2.0安培最大).
    - Contact resistance: 100mΩ max.
    - At working height(quietness).
    - (接触阻抗:在工作高度时最大阻抗100毫欧)(静态).
    - When the current is greater than 1A, the delay circuit design needs to be added.
    - (当通过电流大于1A时, 需增加延时电路设计).
  - Mechanical(机械特性):**
    - Working Height(工作高度):3.80mm.
    - Spring Force:60gf±15gf at Working Height.
    - (在工作高度时弹力为60gf±15gf).
  - Environment(环境要求):**
    - Temperature range:-40°C~+85°C.
    - (温度范围在:-40°C~+85°C).
    - Humidity range:10%RH to 90%RH.
    - (湿度范围在:10%RH to 90%RH).
    - Salt spray test:48H.
    - (盐雾测试:48H)
  - RoHS Compliance(环保要求):**
    - RoHS&Reach Compliant product.
    - (符合RoHS&Reach标准的产品).
  - Durability(使用寿命):**2000 cycles Min(最少2000次).
  - 8.In order to achieve the best performance, please use it in the working height range.
  - (为了达到最佳的性能, 请在工作高度范围使用).
  - 9.Mark "M" is Major Dimension.
  - (标示有 "M" 符号的尺寸为重点管控尺寸).

OTHER TOLERANCE UNLESS OTHERWISE NOTED		ANGEL	±2'	UNIT:mm	TITLE	Ball Point Pogo Pin
A4	DRAW	0~6	±0.05	SM C07 820450 SMT-T&R-R		
REV.	CHECK	7~30	±0.10	SM C07 820450 SMT-T&R-R		
D1	APPRO	31~150	±0.20	SM C07 820450 SMT-T&R-R		
	DATE					

This product requires carrier tape packaging details refer to carrier tape packaging specification

