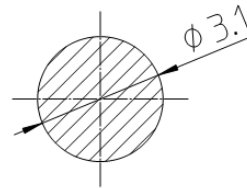
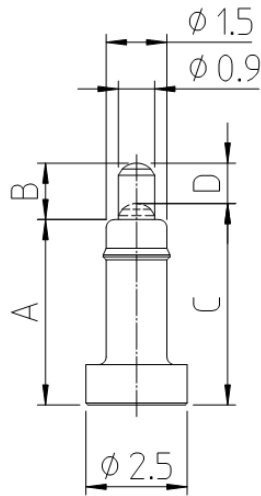


Pogo Pin Connectors_1Pin_SMD Vertical Series

Basic Specification

Rated Current :	2.0A
Rated Voltage :	AC/DC12V
Contact Resistance:	50mΩmax
Operation Temp. :	-40°C~+125°C
Pin Strength :	9.8N on a pin from any direction
Cycle Durability:	20,000 times



Reference Land Pattern

Type (Dim.AB)	Working Height(mm)	Reference Working Range (mm)	Spring Force	Rated Current	Dim.(mm)				Part Number
					A	B	C	D	
4614	5.0	(4.7-5.3)	1.0N	2.0A	4.6	(1.4)	(5)	(1)	J-4614PK-1-00-0000
5117	5.7	(5.2-5.95)	1.0N	2.0A	5.1	(1.7)	(5.7)	(1.1)	J-5117PK-1-00-0000

Pogo Pin Connectors_1Pin_SMD Vertical Series

Electrical Characteristic

Rated Current : AC/DC 12V 2.0A
Contact Resistance : 50mΩ

Mechanical Characteristics

Pin Force : 1.0N ± 0.25N
Pin Strength : 9.8N force on pin from any direction for 1 min.

Other Characteristic

Operational Durability : 20,000 cycles
Low Temp. Durability : Store in temp. -40°C ± 3°C for 96 hours then ,leaves in the ambient temp. for 1 hour.

High Temp. Durability : Store in temp. +125°C ± 5°C for 375 hours, then ,leaves in the ambient temp. for 1 hour.

Humidity Durability : Store in temp. +60°C ± 2°C with humidity of 90~95% for 96 hours.

Temp. Cycle Test : Cycle 5 times (Table1. shows test condition for 1cycle) Leave in the ambient temp. for 1 hour.

Temp. And Humidity Cycle Test : 10 times of a cycle test based on JIS C60068-2-38
Anti-corrosion(Salt Water Spray) : The electrical performance shall be measured after continuous spray of salt water with 5 ± 1% density and 35 ± 2°C temp. for 48 hours, cleaning with lukewarm water and dry, and leaving in ambient temperature for 1 hours

Vibration Test : Connect each connector pin in series, conducting current of 0.1A.
After that the vibration described below is added.
* Amplitude 1.5mm
* Sweeping cycle 10~55~10Hz/minute,
* Duration of test: 2hours for each of X,Y,Z axis

Shock Test : Connect each connector pin in series, conducting current of 0.1A.
After that , the shock described below is added.
* Accelerating rate: 490m/s²
* Operating time of the test: 11ms
* The number of operating times: *3shocks at X,Y,Z axis both.*In negative and positive direction.

Heat Resistance : The electrical performance shall be measured in ambient temperature after soldering in accordance with the reflow profile Fig 2.

Pogo Pin Connectors_1Pin_SMD Vertical Series

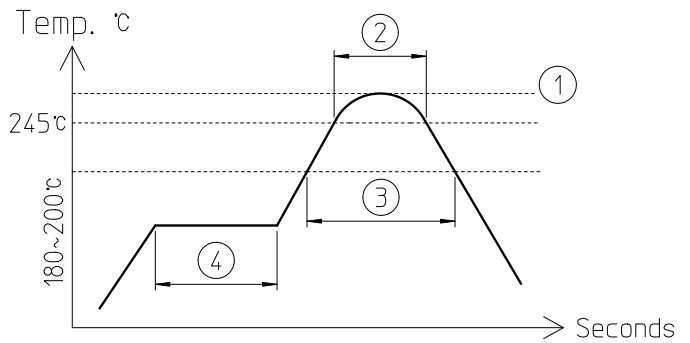
Table 1. Temperature Cycle

Step	Temperature(°C)	Time(minites)
1	-40 ± 3	30 - 35
2	5 - 35	10 - 15
3	85 ± 2	30 - 35
4	5 - 35	10 - 15

Fig 1. Temp. and Humidity Cycle



Fig 2. Reflow Profile



- ① **MAX Temp. 250°C**
- ② **Peak time (245°C): 10sec. MAX**
- ③ **220°C time: 80sec.**
- ④ **190°C ± 10°C time: 120sec. ± 30sec.**

- **The specifications shown in this catalogue are subject to change without notice.**
- **Storage conditions: 35days max in room temperature**