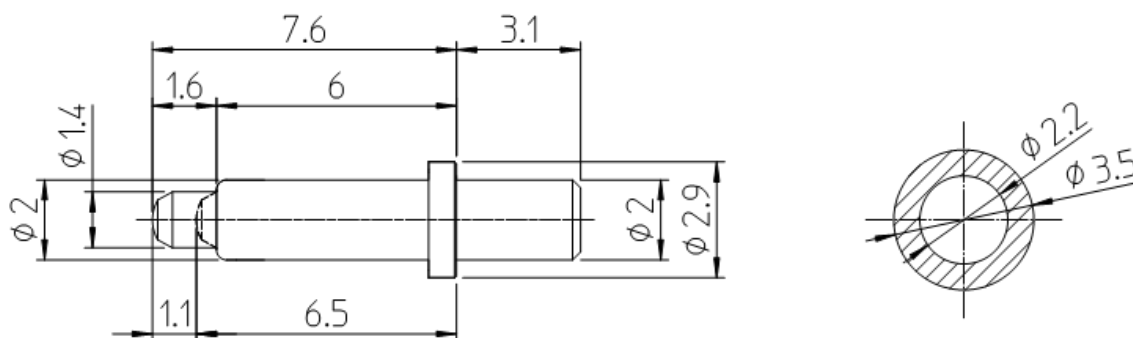


## Through Hole Connector\_1Pin\_Through Hole\_High Current\_Series

### Basic Specification

<b>Part Number :</b>	<b>S-J-6016PT10A-1-00-0000</b>
<b>Rated Current :</b>	<b>10A</b>
<b>Rated Voltage :</b>	<b>AC/DC12V</b>
<b>Contact Resistance:</b>	<b>50mΩmax</b>
<b>Operation Temp. :</b>	<b>-40°C~+85°C</b>
<b>Pin Strength :</b>	<b>9.8N on a pin from any direction</b>
<b>Cycle Durability:</b>	<b>20,000 times</b>



### Electrical Characteristic

<b>Rated Current :</b>	<b>AC/DC 12V 10A</b>
<b>Contact Resistance :</b>	<b>50mΩ</b>

### Mechanical Characteristics

<b>Pin Force :</b>	<b>1.28N ± 0.26N</b>
<b>Pin Strength :</b>	<b>9.8N force on pin from any direction for 1min.</b>

### Other Characteristic

<b>Operational Durability :</b>	<b>20,000 cycles</b>
<b>Low Temp. Durability :</b>	<b>Store in temp. -40°C ± 3°C for 96 hours then ,leaves in the ambient temperature. for 1 hour.</b>
<b>High Temp. Durability :</b>	<b>Store in temp. +85°C ± 2°C for 96 hours then ,leaves in the ambient temperature. for 1 hour.</b>
<b>Humidity Durability :</b>	<b>Store in temp. +60°C ± 2°C with humidity of 90~95% for 96 hours, then leave in the ambient temperature for 1 hours.</b>
<b>Temp. Cycle Test :</b>	<b>Cycle 5 times (Table1. shows test condition for 1cycle) Leave in the ambient temp. for 1 hour.</b>
<b>Temp. And Humidity Cycle Test :</b>	<b>10 times of a cycle test based on JIS C60068-2-38.</b>
<b>Anti-corrosion(Salt Water Spray) :</b>	<b>The electrical performance shall be measured after continuous spray of salt water with 5 ± 1% density and 35 ± 2°C temperature for 48 hours, cleaning with lukewarm water and dry, and leaving in ambient temperature for 1hours.</b>

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### Other Characteristic

#### 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: 2hrs 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/s<sup>2</sup>  
 \* Operating time of the test: 11ms  
 \* The number of operating times: 3shocks at X,Y,Z axis both In negative and positive direction.

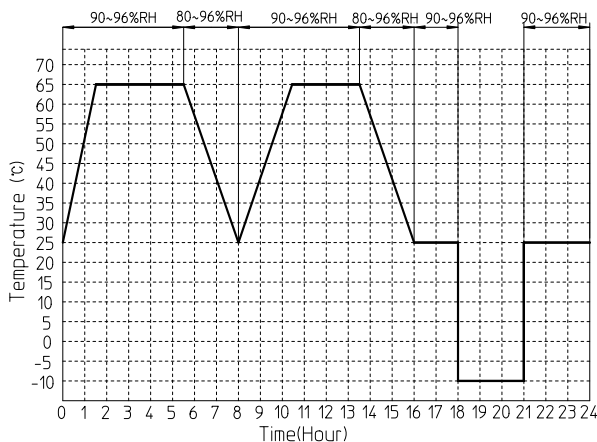
#### Heat Resistance :

The electrical performance shall be measured after soldering for 3 seconds or less per terminal.  
 (temperature of soldering iron : 350°C)

**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**



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