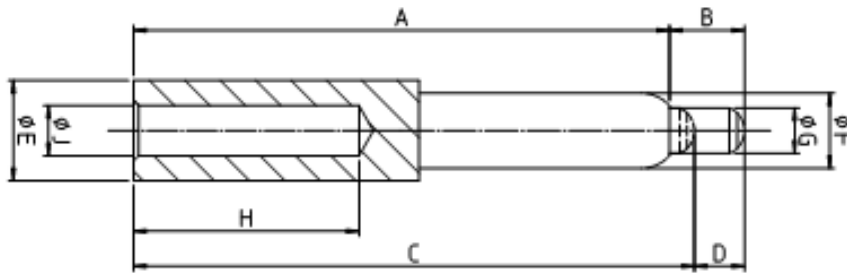


Pogo Pin Connectors_1Pin_Cable Connection Series

Basic Specification

Rated Current : 2A, 5A, 10A(see below table)
Rated Voltage : AC/DC12V
Contact Resistance: 50mΩmax
Operation Temp. : -40°C~+85°C
Pin Strength : 9.8N on a pin from any direction
Cycle Durability: 5,000cycles, 20,000cycles(see below table)



Type (Dim.AB)	Working Height(mm)	Reference Working Range (mm)	Spring Force	Rated Current	Cycle Durability (cycle)	Dim.(mm)										Part Number
						A	B	C	D	E	F	G	H	I		
9717	10.3	(9.8-10.55)	1.08N	2.0A	20,000	9.7	(1.7)	(10.3)	(1.1)	1.5	1.5	0.9	(3.5)	(0.9)	J-9717TA-1-00-0000	
10715	11.2	(10.8-11.45)	1.0N	5.0A	5,000	10.7	(1.5)	(11.2)	(1.0)	2.0	1.5	0.9	(4.5)	(1.0)	J-10715TA-1-00-0000	
15516	16.0	(15.6-16.3)	1.28N	10.0A	20,000	15.5	(1.6)	(16)	(1.1)	3.4	2.0	1.4	(5.5)	(1.7)	J-15516TA-1-00-0000	

Pogo Pin Connectors_1Pin_Cable Connection Series

Electrical Characteristic

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

Mechanical Characteristics

Pin Force : 1.08N ± 0.25N/1.0N ± 0.2N/1.28N ± 0.26N
(see above table)
Pin Strength : 9.8N force on pin from any direction for 1 min.

Other Characteristic

Operational Durability : 5,000cycles, 20,000cycles(see above table)
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. +85°C ± 2°Cfor 96 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 1hours.

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 after
soldering for 3seconds or less per terminal.
(temperature of soldering iron : 350°C)

Pogo Pin Connectors_1Pin_Cable Connection 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



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