



# S.T. Industrial (ASIA) Limited

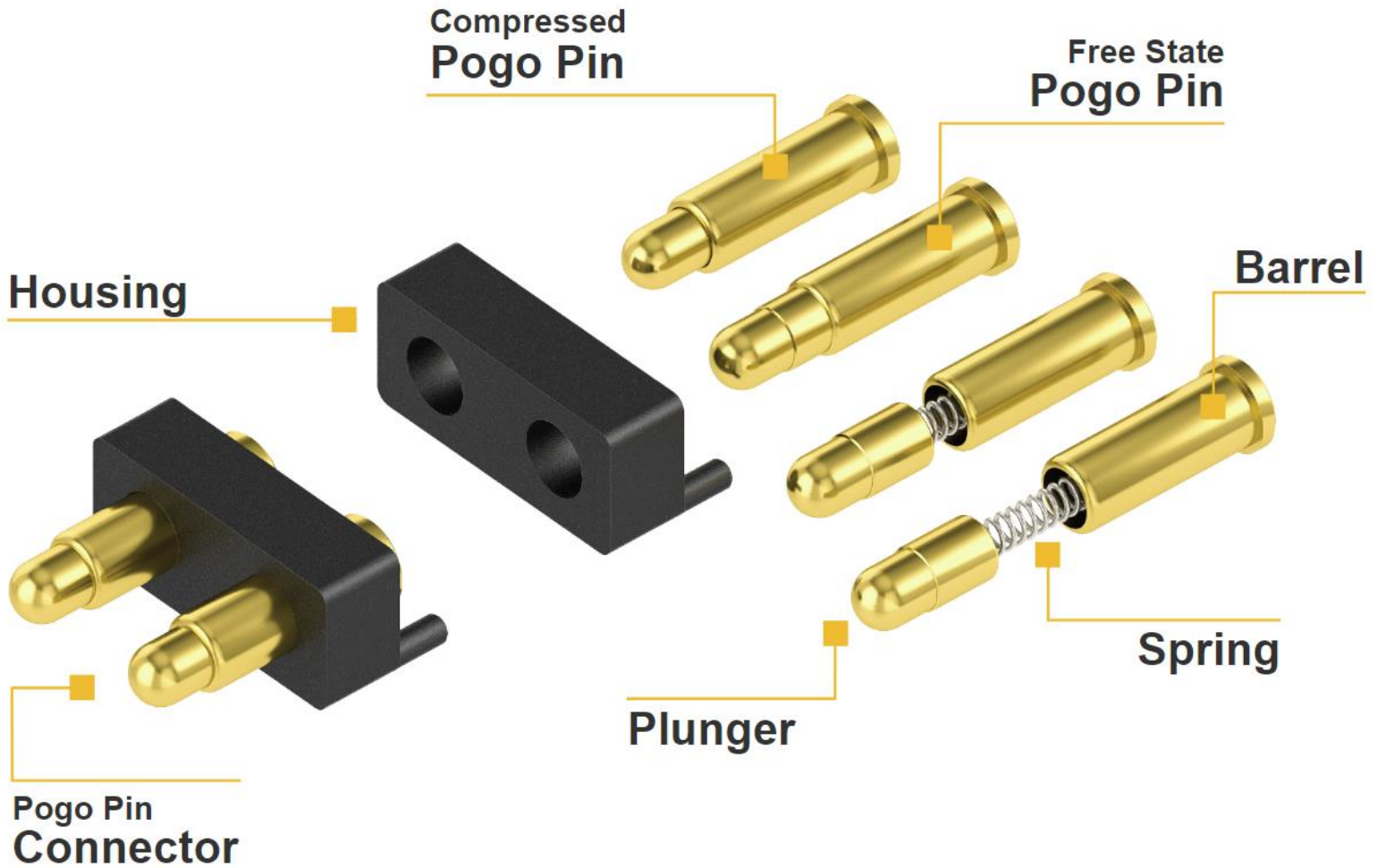
## Pogo Pin Connector

Prepare by: Technician Engineer  
Date: 15-Oct-2022

Pogo Pin Connector is a type of electrical connector that used spring-loaded pins to establish a temporary electrical connection between two points.



## Basic Structure



## Advantage for Pogo Pin Connector

- (1) Easy to plug-in, no accidental rip-off of the cable.
- (2) Different Pogo designs maximize the stability of the current flow by increasing the number of contact inside the pin.
- (3) Pogo pins have a far superior lifetime as compared to other connector types as they minimize the mechanical strain on the parts.
- (4) Pogo pin connector can be quickly and easily connected which reduce the risk of damage to the connector or device.
- (5) Pogo pin connectors can be designed to take up less space than traditional connectors, making them ideal for use in small electronic devices.



**Item no :**

**Specification :**

**Plating :**

**Rating :**

**Contact resistance :**

**Dielectric withstanding vol tage :**

**Insulation resistance :**

**Travel :**

**Life cycle :**

**PG-083-M16**

**16mm  $\Phi$  1.95\*4.5mm**

**Gold**

**DC 12V 2A**

**30m $\Omega$  Max (Inital)**

**500V AC For one minute**

**100M $\Omega$  MIN, Measured by 500V DC**

**2.50mm Operating force : 90 $\pm$ 20gf**

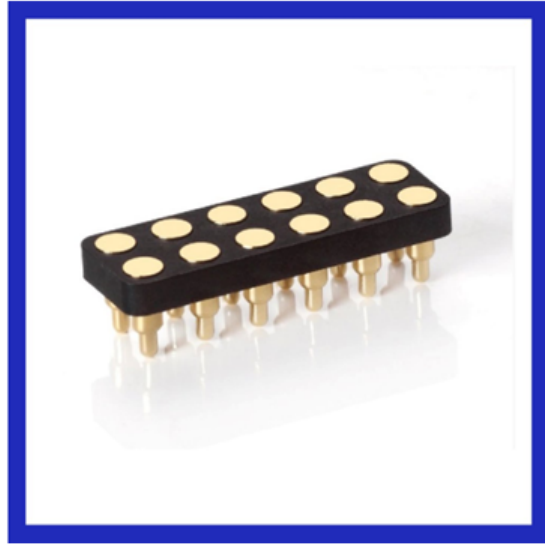
**20,000 Cycles**



**Item no :** PG-D081-25-3p  
**Specification :** 3.5x2.5x2.5mm  
**Plating :** Gold  
**Rating :** DC 12V 2A  
**Contact resistance :** 30m $\Omega$  Max (Initial)  
**Dielectric withstanding vol tage :** 500V AC For one minute  
**Insulation resistance :** 100M $\Omega$  MIN, Measured by 500V DC  
**Life cycle :** 10,000 Cycles



**Item no :** PG-U081-25-3p  
**Specification :** 3.5x2.5x2.5mm  
**Plating :** Gold  
**Rating :** DC 12V 2A  
**Contact resistance :** 30m $\Omega$  Max (Initial)  
**Dielectric withstanding vol tage :** 500V AC For one minute  
**Insulation resistance :** 100M $\Omega$  MIN, Measured by 500V DC  
**Travel :** 0.80mm Operating force : 90 $\pm$ 20gf  
**Life cycle :** 10,000 Cycles



Item no : PG-D082-25-12p  
Specification : 5.1x2.5x2.5mm  
Plating : Gold  
Rating : DC 12V 2A  
Contact resistance : 30m $\Omega$  Max (Initial)  
Dielectric withstanding vol tage : 500V AC For one minute  
Insulation resistance : 100M $\Omega$  MIN, Measured by 500V DC  
Life cycle : 10,000 Cycles



Item no : PG-U082-25-12p  
Specification : 5.1x2.5x2.5mm  
Plating : Gold  
Rating : DC 12V 2A  
Contact resistance : 30m $\Omega$  Max (Initial)  
Dielectric withstanding vol tage : 500V AC For one minute  
Insulation resistance : 100M $\Omega$  MIN, Measured by 500V DC  
Travel : 0.80mm Operating force : 90 $\pm$ 20gf  
Life cycle : 10,000 Cycles