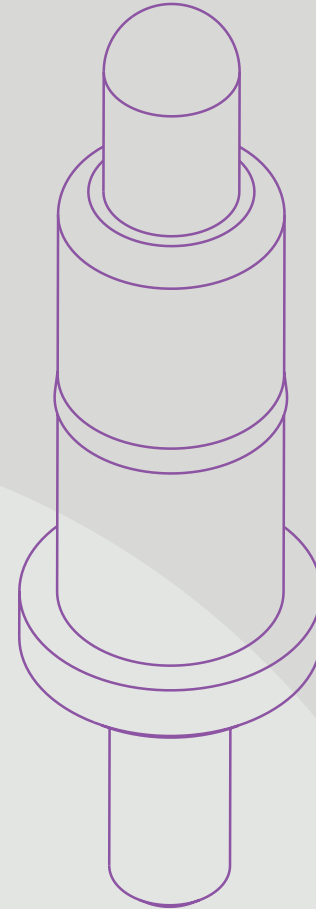


# HARWIN

CONNECT TECHNOLOGY  
WITH CONFIDENCE

## POGOPINS SPRING LOADED CONTACTS

SURFACE MOUNT SINGLE CONNECTION



INNOVATIVE  
DESIGNS FOR  
EASY ASSEMBLY

**Ezi**  
RANGE

HARWIN

POGOPINS

# Ezi CONTACTS FROM HARWIN.

## Surface Mounted Single Spring Connections

A lightweight surface-to-surface connection, maintained by the spring force of the Pogo Pin. Highly durable with high number of mating cycles possible over the lifetime of the device.

Pogo Pins, or Spring Loaded Contacts, were originally designed for the clamshell mobile phone industry. The contact design is a short plunger and body, with an integrated coil spring. Mated to the flat surface of the SMT contact pad, the connection is maintained against the spring force by other systems within the equipment.

The low mating force enables rapid and effortless connections. These contacts mate with any conductive surface, and also tolerate significant lateral mating misalignment.

Pogo pins are available in two styles – with or without location pegs. The solder method is designed to be surface mount, but longer location pegs could also be used as throughboard terminations.

The hard-wearing surface mount Contact Pads are available in 3 contact shapes: Circular, Rectangular, or Oval (more accurately, Obround).

All Contact Pads and most of the Pogo Pins are supplied with Tape and Reel as standard, for high-volume automation.

## FEATURES

- Durable single connection contacts, absorbs significant misalignment
- High number of mating cycles for frequent use and longer life
- Supplied in tape & reel for high volume surface mount assembly

## APPLICATIONS

- Wearable devices
- Medical
- Home entertainment
- POS tracking
- Mobile electronics

[VIEW POGO PINS HERE](#)[VIEW SMT CONTACT PADS HERE](#)

# POGOPINS

## SPECIFICATIONS

MATERIALS	ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Plunger & barrel: <b>Brass, Gold finish</b>	Current per contact: <b>1A to 11A (Pogo Pins)</b> <b>6A (Contact Pads)</b>	Durability: <b>10,000 mating cycles</b>	Operating temperature: <b>-40°C to +85°C (Pogo Pins)</b> <b>-40°C to +180°C (Contact Pads)</b>
Spring: <b>Stainless Steel</b>		Spring force at working height: <b>0.39N to 1.32N</b>	
Contact pads: <b>Beryllium Copper, Gold finish</b>	Contact resistance: <b>50mΩ max (Pogo Pins)</b> <b>0.15mΩ max (Contact Pads)</b>	Free height: <b>2.4mm to 9mm</b>	Compliance: <b>RoHS Compliant</b> <b>REACH / CMRT statements</b>
		Working height: <b>1.85mm to 8.5mm</b>	
		Contact pad height: <b>0.1mm to 0.5mm</b>	

Specifications are subject to change.



VIEW POGO PINS [HERE](#)

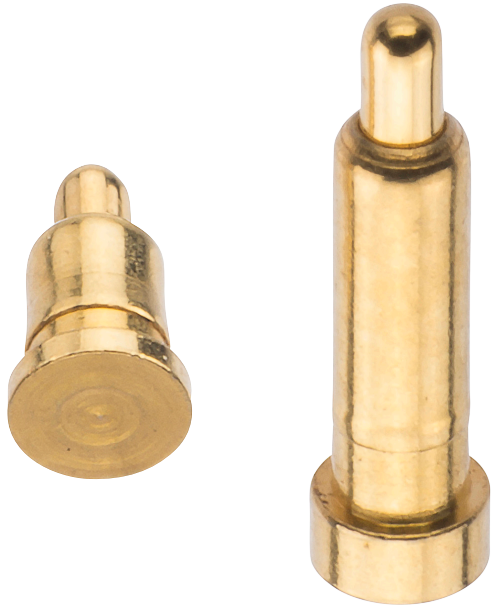
VIEW SMT CONTACT PADS [HERE](#)

# POGOPINS

## PRODUCT CATEGORIES

### Surface Mount Pogo Pins

Pogo pins consisting of a plunger (or head), barrel (or body), and a fully encapsulated fine spring, to provide the spring force required to maintain positive contact. All have a high durability, exceeding 10,000 mating cycles. Most are supplied in Tape & Reel with a removable pick and place cap.



### SMT Pogo Pins with Location Pegs

Additional single location peg to assist with location placement and vertical stability. Some designs can also be used as throughboard terminations.



Specifications are subject to change.

## PRODUCT CATEGORIES

**Surface Mount Contact Pads**

Multi-purpose flat contact pads for Surface Mount fixing – thicknesses between 0.1mm and 0.5mm. Supplied in Tape and Reel packaging for automated assembly. 3 contact shapes: Circular, Rectangular, or Oval (more accurately, Obround).



Specifications are subject to change.



# POGOPINS

## DOWNLOADS

### Technical Documents

Component Specification



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### Product Training

Product Training Module (PTM)



Pogo Pins comparison chart



Specifications are subject to change.



 [VIEW POGO PINS \*\*HERE\*\*](#)

 [VIEW SMT CONTACT PADS \*\*HERE\*\*](#)

# HARWIN

CONNECT TECHNOLOGY  
WITH CONFIDENCE



HIGH RELIABILITY  
WITH SUPREME  
PERFORMANCE



DEPENDABLE  
CONNECTIVITY  
ACROSS THE BOARD



INNOVATIVE  
DESIGNS FOR  
EASY ASSEMBLY

**HRI**  
RANGE

**BBi**  
RANGE

**EZi**  
RANGE

FOR FURTHER INFORMATION PLEASE CONTACT:

**Europe, Middle East & Africa**

E: [technical@harwin.com](mailto:technical@harwin.com)

**Americas**

E: [technical-us@harwin.com](mailto:technical-us@harwin.com)

**Asia Pacific**

E: [technical-asia@harwin.com](mailto:technical-asia@harwin.com)

**WWW.HARWIN.COM**

