



# MAGNETIC POGO CONNECTORS

EDAC's NEW Magnetic Pogo Connectors are a reliable, precision made interconnect solution. Each connector has a long life span of up to 30,000 mating cycles making them the ideal choice for the fast moving world of consumer electronics.

The plugs and the sockets of the Pogo Connector pairs rely on a magnetic force to make and maintain a connection, whilst increasing the reliability and providing polarisation. Featured in many personal electronic devices such as smart watches and laptop chargers, the magnets also ensure a quick mating and un-mating process.

Spring-loaded contacts maintain a stable connection in a wide range of environments to provide continuous current flow, and the "tear away" design ensures user safety and prevents damage caused by unintended disconnection.

Assembled in high-temperature thermoplastic, each piece is precision machined to ensure a high quality, low resistance connector - giving it the edge over other technologies.

## SPECIFICATIONS

**Insulator Material:** Nylon PA46 or PA9T (see drawing)

**Contact Material:** Brass

**Contact Plating:** Gold over Nickel

**Current Rating:** 2A

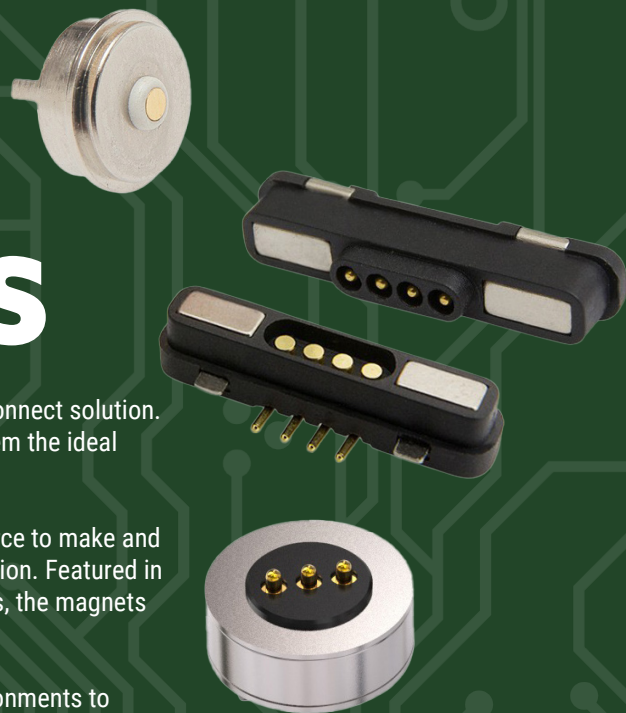
**Voltage Rating:** 5V or 12V (see drawing for actual value)

**Contact Resistance:** 30 mΩ MAX. before test and 60 mΩ MAX. after test

**Dielectric Withstanding Voltage:** 100V RMS AT 60HZ

**Insulation Resistance:** 100MΩ MIN

**Operating Temperature:** -30°C to +85°C



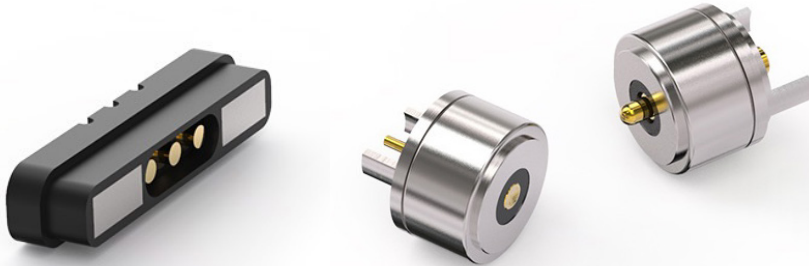
## FEATURES

### MAGNETIC

- Magnets increase the reliability of the connection and provide polarisation

### SPRING-LOADED

- Spring loaded contacts maintain connection in environments with vibration to provide stable current flow
- Precision machined to ensure a high quality, low resistance, compliant connector giving it the edge over other technologies



## BENEFITS

### HIGH-RELIABILITY

- A reliable, precision made interconnect solution ideal for a number of demanding application requirements in the fast moving world of electronic interconnects

### LONG LIFE SPAN

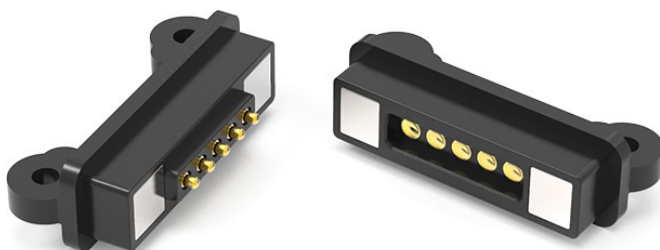
- Convenient for consumer electronics and in test environments where a large number of mating cycles are required
- Up to 30,000 mating cycles

### CONVENIENT

- Assembled into high-temperature thermoplastic to form connector arrays
- High quality “tear away” design prevents damage caused by unintended disconnection

### NO PHYSICAL MATING

- Magnets pull the connectors together and user can pull them apart resulting in a quick mating and un-mating process
- More convenient than standard pogo connectors



## APPLICATIONS

