POGO PIN SINGLE CONTACT: 9150-000

General Information



Single Pogo Pin contacts provide high cycle life in industrial and medical applications where reliability and robustness is critical. Pogo Pins provide 10,000 mating cycles and are ideal in pluggable module applications where the end customer has to handle a product daily. Pogo Pins are designed to mate with gold plated PCB pads or flat contacts in docking/cradle applications to function as the charging, data transfer or programming interface to a portable device.

The standard range single contacts from KYOCERA AVX provides the maximum flexibility in pin count, placement location and broad compressed stacking heights ranging from 2.0mm up to 5.5mm. The contacts are provided in standard tape and reel packaging for automatic in-line SMT placement. A disposable plastic cap facilitates vacuum pick-up and then is removed after reflow soldering prior to product mating. Contacts are gold plated and incorporate high force stainless steel springs for durability and signal integrity.

APPLICATIONS

- Base/Docking stations for portable electronic devices to recharge batteries or download data
- Testing and programming of electronic modules
- Interface to disposable medical or measurement components
- Product Specification: Refer to 201-01-158
- Application Notes: Refer to 201-01-159

FEATURES AND BENEFITS

- Contacts range from 1.9mm to 5.5mm providing off-the-shelf availability for almost any application
- Each contact height provides the maximum working range and compressed height tolerance possible
- Gold plated contacts provide high reliability and signal integrity over 10,000 cycles
- Removable pick-up cap facilitates automatic placement for SMT reflow

ELECTRICAL

- Current Rating: 1 Amp
- Voltage Rating: VAC (RMS) or DC equivalent
  Based on placement distance

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C
- Storage Temperature: -40°C to +70°C

MECHANICAL

- Contact Material: Brass
- Contact Plating: Gold over Nickel
- Spring Material: SUS304
- Durability: 10k Cycles

HOW TO ORDER

70	9150	001	0XX	0	0	6
Prefix 70 = Contact	**Series**	**Number of Ways** 001 = 1	**Contact Operating Range** 020 = 1.90 to 2.30 025 = 2.40 to 2.80 030 = 2.90 to 3.40 040 = 3.90 to 4.50 050 = 4.90 to 5.50	**Sleeve Diameter** 0 = 1.50	**Packing Option** 0 = Tape & Reel	**Plating Option** 6 = Gold over Nickel

SALES DRAWINGS
CLICK TO DOWNLOAD

RoHS compliant

The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

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