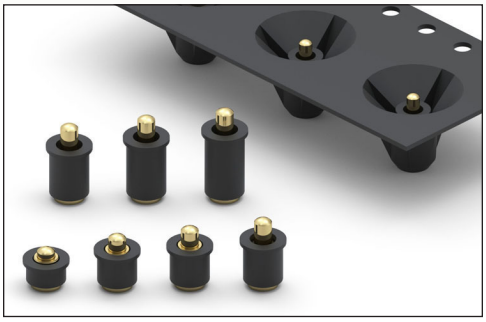
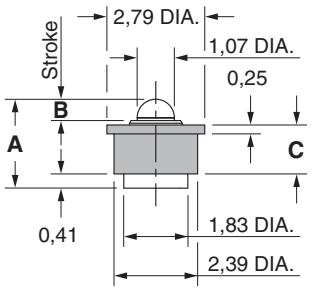
# SPRING-LOADED CONNECTORS

## SERIES 807 • DISCRETE INSULATED SPRING-LOADED PINS • SURFACE MOUNT

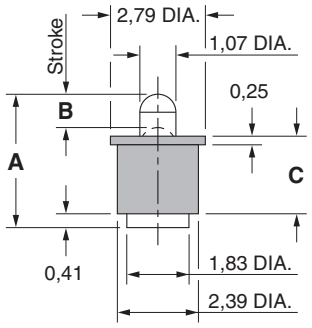


- Discrete insulated spring-loaded pins; available in seven heights from 2,54 to 5,99, with working travel from 0,3 to 0,7
- Precision-machined piston / base and gold-plated components assure a 1,000,000 cycle life durability
- Low resistance contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for SMT soldering processes
- 807 series, contact styles 0 through 6, are available in bulk or on 16mm wide carrier tape for automated pick and place assembly. Tape and Reel packaging per EIA-481. See below for ordering information

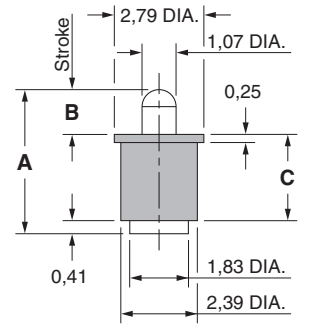
### Series 807 (Contact Style 0)




### Series 807 (Contact Style 1 & 2)




### Series 807 (Contact Style 3-6)




## ORDERING INFORMATION

**Series 807 (Bulk Packaged)**

807-22-001-30-00X101

**Specify contact style** 0-6

**Series 807 (Tape & Reel Packaged)**

807-22-001-30-00X191

**Specify contact style** 0-6

| Contact Style | Initial Height (A) | Working Travel | Full Stroke Range (B) | Sleeve Height (C) | Quantity per Reel |
|---|---|---|---|---|---|
| 0 | 2,54 | 0,3 | 0,51-0,61 | 1,39 | 2,620 |
| 1 | 3,48 | 0,5 | 0,76-0,99 | 2,08 | 1,750 |
| 2 | 3,94 | 0,5 | 0,89-0,99 | 2,29 | 1,750 |
| 3 | 4,50 | 0,7 | 1,14-1,4 | 2,69 | 1,055 |
| 4 | 5,0 | 0,7 | 1,14-1,4 | 3,2 | 780 |
| 5 | 5,51 | 0,7 | 1,14-1,4 | 3,71 | 780 |
| 6 | 5,99 | 0,7 | 1,14-1,4 | 4,19 | 780 |

### Technical Specifications

**Materials:**

Contact piston & base: Machined copper alloy plated 0,51µm gold over 2,54µm nickel
Spring (Contact style 0): Stainless Steel-plated 0,25µm gold
Spring (Contact style 1-6): Beryllium copper-plated 0,25µm gold
Insulator: High temperature thermoplastic, rated UL94 V-0

**Mechanical:**

Spring force @ initial height (A) (Contact style 0-6): 25 grams
Spring force @ mid stroke (B/2) (Contact style 0): 70 grams
Spring force @ mid stroke (B/2) (Contact style 1-6): 60 grams
Durability: 1,000,000 cycles

**Electrical:**

Current rating: 2A (continous), 3A (peak) per contact
Contact resistance: 20mΩ max.
Insulation resistance: 10,000MΩ min.
Dielectric strength: 700Vrms min.

RoHS-2 2011/65/EU



Mill-Max Mfg. Corp. • 190 Pine Hollow Road, P.O. Box 300, Oyster Bay, NY 11771 • 516-922-6000 • Fax: 516-922-9253 • www.mill-max.com