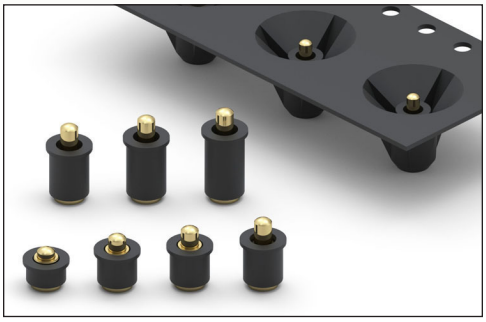
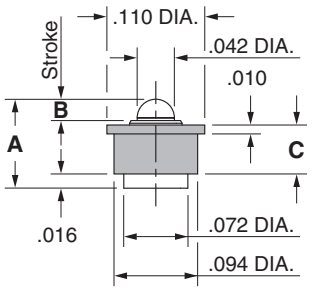
SPRING-LOADED CONNECTORS

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

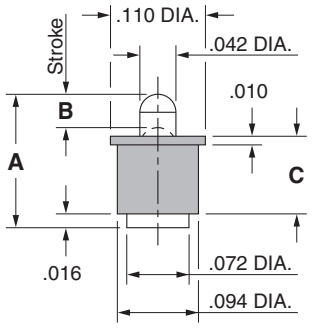


- Discrete insulated spring-loaded pins; available in seven heights from .100" to .236", with working travel from .012" to .0275"
- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability
- Low resistance contacts are rated at 2 amps continuous, 3 amps 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

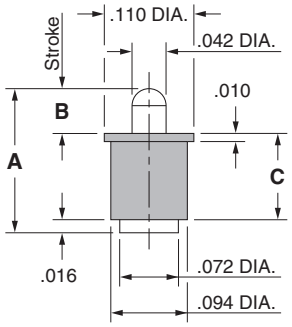
Series 807 (Contact Style 0)



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	.100	.012	.020-.024	.055	2,620
1	.137	.0195	.030-.039	.082	1,750
2	.155	.0195	.035-.039	.090	1,750
3	.177	.0275	.045-.055	.106	1,055
4	.197	.0275	.045-.055	.126	780
5	.217	.0275	.045-.055	.146	780
6	.236	.0275	.045-.055	.165	780

Technical Specifications

Materials:

Contact piston & base: Machined copper alloy plated 20µ" gold over 100µ" nickel
Spring (Contact style 0): Stainless Steel-plated 10µ" gold
Spring (Contact style 1-6): Beryllium copper-plated 10µ" 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: Up to 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