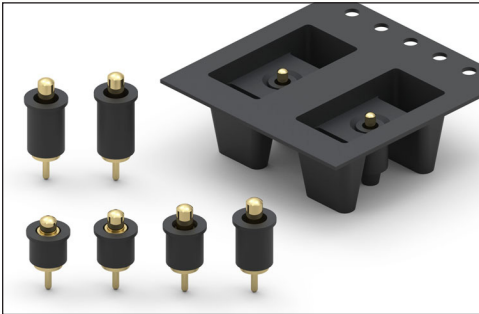


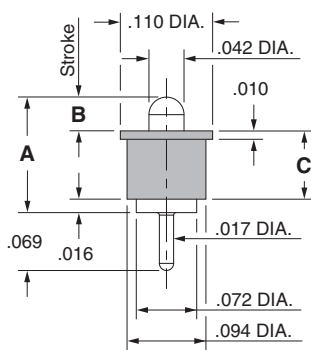
# SPRING-LOADED CONNECTORS

## SERIES 807 • DISCRETE INSULATED SPRING-LOADED PINS • THROUGH-HOLE MOUNT

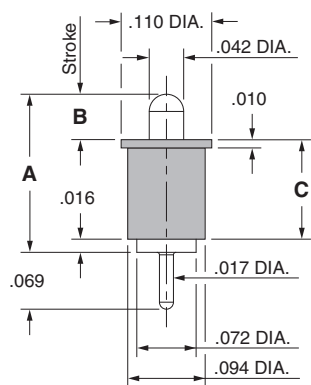


- Discrete insulated spring-loaded pins; available in six heights from .137" to .236", with working travel of .0195" & .0275"
- Precision-machined piston / base and gold-plated components assure up to 1,000,000 cycle life durability
- Low resistance contacts are rated at 2 amps continuous, 3 amps peak
- High temperature thermoplastic insulators are suitable for most SMT soldering processes
- 807 series, contact styles 1 through 6, are available in bulk or on 24mm wide carrier tape for automated pick and place assembly. Tape and Reel packaging per EIA-481. See below for ordering information

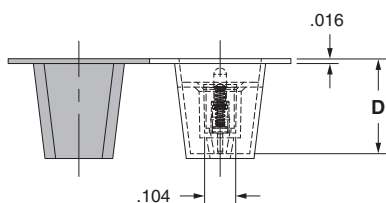
### Series 807 (Contact Style 1 & 2)



### Series 807 (Contact Style 3, 4, 5 & 6)



### Series 807 (Tape Pocket Depth)



## ORDERING INFORMATION

### Series 807 (Bulk Packaged)

807-22-001-10-00X101

Specify contact style 1-6

### Series 807 (Tape & Reel Packaged)

807-22-001-10-00X191

Specify contact style 1-6

Contact Style	Initial Height (A)	Working Travel	Full Stroke Range (B)	Sleeve Height (C)	Tape Depth (D)	Quantity per Reel
1	.137	.0195	.030-.039	.082	.236	880
2	.155	.0195	.035-.039	.090	.236	880
3	.177	.0275	.045-.055	.106	.278	745
4	.197	.0275	.045-.055	.126	.278	745
5	.217	.0275	.045-.055	.146	.317	640
6	.236	.0275	.045-.055	.165	.317	640

### Technical Specifications

#### Materials:

Contact piston & base: Machined copper alloy plated 20μ" gold over 100μ" nickel  
 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 1-6): 25 grams  
 Spring force @ mid stroke (B/2) (Contact style 1-6): 60 grams  
 Durability: Up to 1,000,000 cycles

#### Electrical:

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

RoHS-2  
2011/65/EU

