

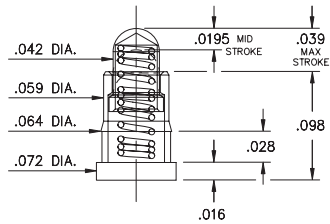
# SPRING-LOADED PINS

## DISCRETE SPRING-LOADED CONTACTS • SURFACE MOUNT

### 0900-0

0900-0-15-20-76-14-11-0

"Legacy P/N 0900-0-00-00-00-00-11-0"  
Short stroke, Surface mount. Also available  
on 16mm wide carrier tape: 2,000 parts per 13"  
reel. See page 28.2 for Tape & Reel details

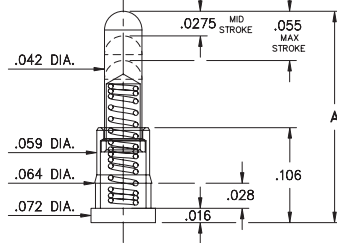


### 0900-1 → 4,8

72 or 75

0900-X-15-20-7X-14-11-0

Standard stroke, Surface mount. Also available on 16mm  
wide carrier tape: 1,700 parts per 13" reel (0900-1) or  
24mm wide carrier tape: 1,100 parts per 13" reel (0900-2)  
and (0900-3). See page 28.2 for Tape & Reel details



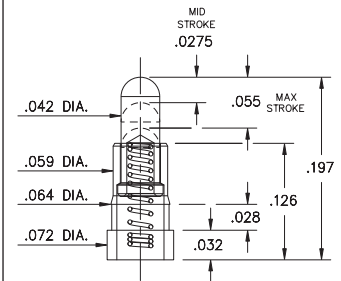
Basic Part Number	Length A
0900-1	.177
0900-2	.197
0900-3	.217
0900-4	.236
*0900-8	.155

\*0900-8 has a .0195 Mid Stroke & .039 Max. Stroke  
Order as:  
0900-8-15-20-76-14-11-0  
"Legacy Part Number"  
0900-X-00-00-00-00-11-0

### 0934

0934-0-15-20-74-14-26-0

Standard stroke, Surface mount

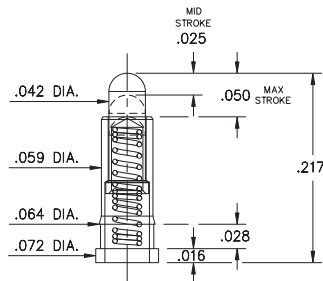


### 0936

72 or 75

0936-0-15-20-7X-14-11-0

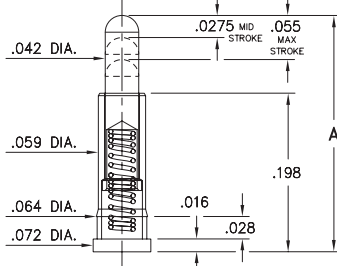
Standard stroke, Surface mount



### 0907-0 → 9

0907-X-15-20-75-14-11-0

Standard stroke, Surface mount, Mid profile  
Also available with insulated sleeve, see page 19.4

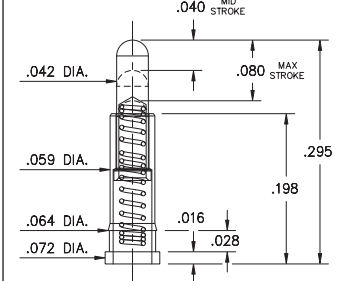


Basic Part Number	Length A
0907-0	.255
0907-1	.275
0907-2	.295
0907-3	.315
0907-4	.335
0907-5	.350
0907-6	.370
0907-7	.390
0907-8	.410
0907-9	.430

### 0928

0928-0-15-20-77-14-11-0

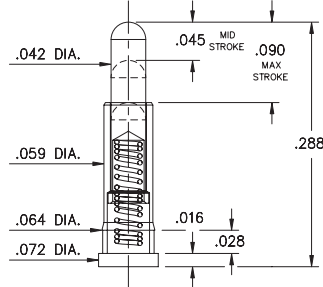
Long stroke, Surface mount



### 0913

0913-0-15-20-77-14-11-0

Long stroke, Surface mount, Mid profile

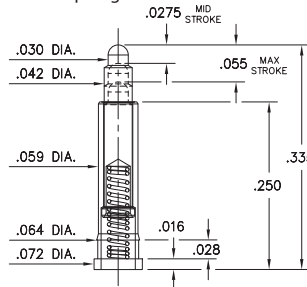


### 0925

72 or 75

0925-0-15-20-7X-14-11-0

Standard stroke, Surface mount  
Reduced plunger

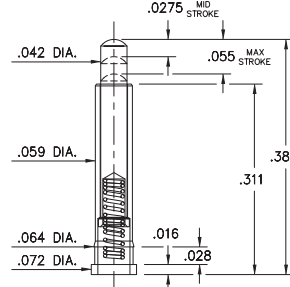


### 0927

72 or 75

0927-0-15-20-7X-14-11-0

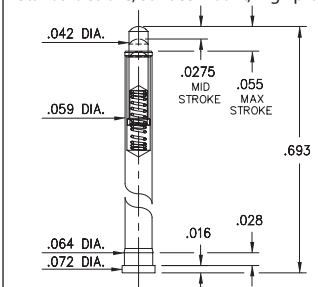
Standard stroke, Surface mount, Mid profile



### 0905

0905-0-15-20-7X-14-11-0

"Legacy P/N 0905-0-00-00-00-00-11-0"  
Standard stroke, Surface mount, High profile



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** Beryllium Copper  
**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel  
**Spring Finish:** 10 μ" Gold over Nickel  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ± .006  
Diameters: ± .002  
Angles: ± 2°



#### Mechanical & Electrical Specifications:

**Durability:** Up to 1,000,000 cycles  
**Current Rating:** 2A continuous, 3A peak  
**Contact Resistance:** 20 mΩ max.

#### Environmental Specifications:

**Operating temperature range:**  
-55/+125° C (discontinuous)

**74, 75, 76, 77 Springs are not interchangeable**

Order Code: 09XX - X - 15 - 20 - 7X - 14 - XX - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
72	.0275	.055	35 g	15 g
74	.0275	.055	50 g	15 g
75	.0275	.055	60 g	25 g
76	.0195	.039	60 g	25 g
77	.045	.090	60 g	25 g



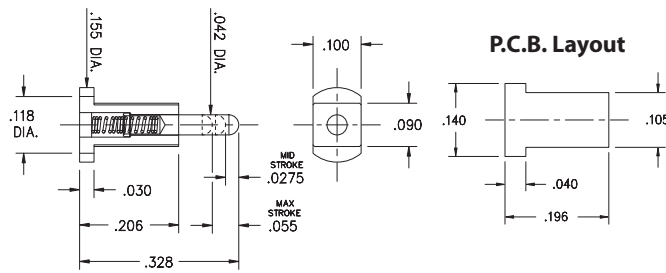
# SPRING-LOADED PINS

## DISCRETE SPRING-LOADED CONTACTS

### 0967

0967-0-15-20-7X-14-11-0

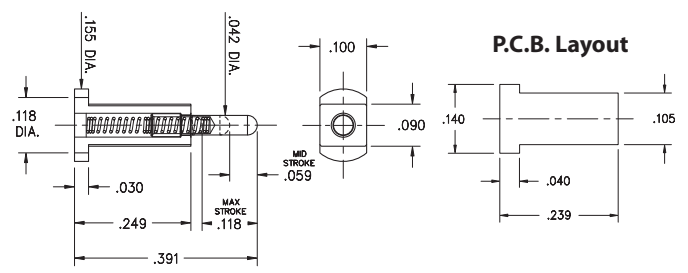
Standard stroke, Horizontal surface mount  
Also available on 16mm wide carrier tape: 2,800 parts per 13" reel  
See page 28.2 for Tape & Reel details



### 0987

0987-0-15-20-89-14-11-0

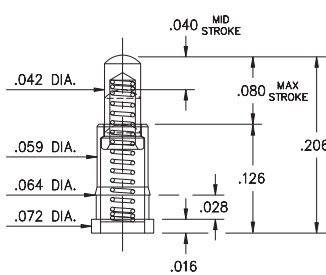
Long stroke, Horizontal surface mount  
Also available on 24mm wide carrier tape: 2,800 parts per 13" reel  
See page 28.6 for Tape & Reel details



### 0964

0964-0-15-20-85-14-11-0

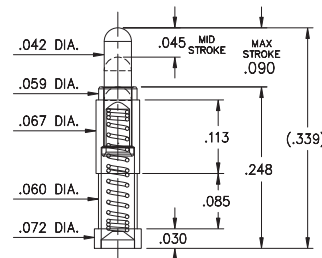
Long stroke, Surface mount, Mid profile  
\* Stainless steel spring



### 7966-0

7966-0-15-20-77-14-11-0

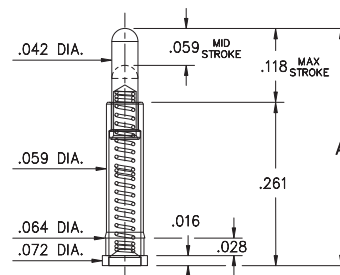
Long stroke, Surface mount. Also available in HSMT connector series: 1,450 parts per 13" reel. Order as: 810-22-0XX-40-005191



### 0919-X

0919-X-15-20-89-14-11-0

3mm (.118") Long stroke, Surface mount  
\* Stainless steel spring

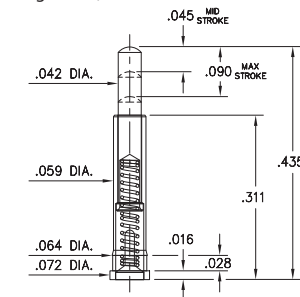


Basic Part Number	Length A
0919-0	.379
0919-2	.419

### 0937

0937-0-15-20-77-14-11-0

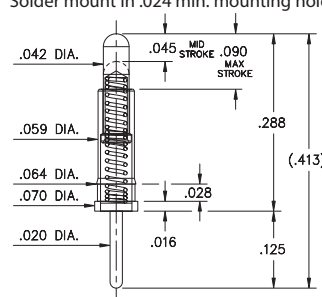
Long stroke, Surface mount



### 7913

7913-0-15-20-77-14-11-0

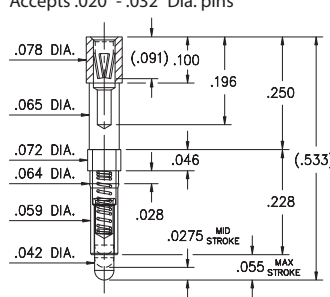
Long stroke  
Solder mount in .024 min. mounting hole



### 0959

0959-0-54-20-7X-14-11-0

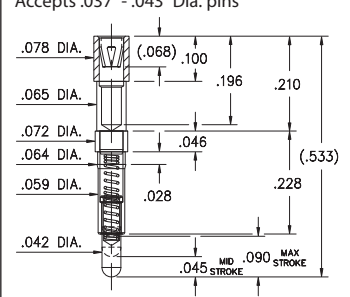
Receptacle spring pin, Standard stroke  
Accepts .020" - .032" Dia. pins



### 7928

7928-0-54-20-77-14-11-0

Receptacle spring pin, Long stroke  
Accepts .037" - .043" Dia. pins



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** BeCu or Stainless Steel 302 \*  
**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel  
**Spring Finish:** 10 μ" Gold over Nickel  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ±.006  
 Diameters: ±.002  
 Angles: ±2°



#### Mechanical & Electrical Specifications:

**Durability:** 1,000,000 cycles  
**Current Rating:** 2A continuous, 3A peak  
**Contact Resistance:** 20 mΩ max.  
**Environmental Specifications:**  
**Operating temperature range:** -55/+125°C

**75, 77, 85, 89 Springs are not interchangeable**

Order Code: X9XX - X - 15 - 20 - XX - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
72	.0275	.055	35 g	15 g
75	.0275	.055	60 g	25 g
77	.045	.090	60 g	25 g
* 85	.040	.080	60 g	25 g
* 89	.059	.118	100 g	25 g



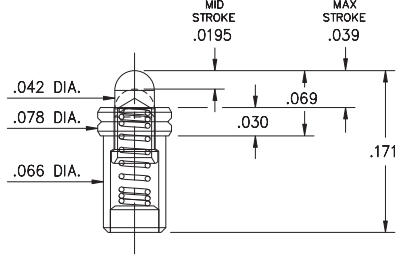
# SPRING-LOADED PINS

## DISCRETE SPRING-LOADED CONTACTS

### 0921-0

#### 0921-0-15-20-76-14-11-0

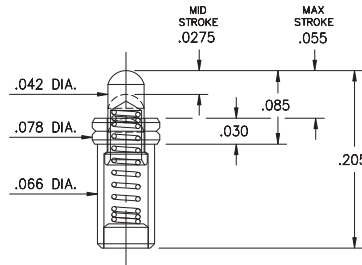
Ultra low profile, Short stroke. Solder mount in .070 min. mounting hole  
Also available on 24mm wide carrier tape: 1,700 parts per 13" reel  
See page 28.3 for Tape & Reel details



### 0921-1

#### 0921-1-15-20-7X-14-11-0

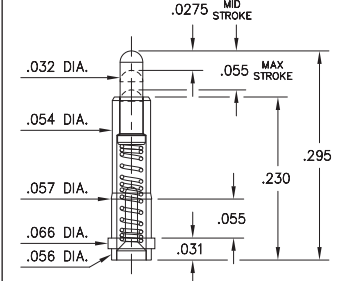
Low profile, Standard stroke. Solder mount in .070 min. mounting hole  
Also available on 24mm wide carrier tape: 1,500 parts per 13" reel  
See page 28.3 for Tape & Reel details



### 0911

#### 0911-0-15-20-86-14-11-0

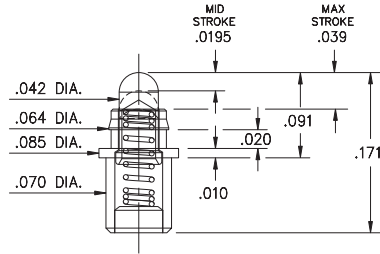
Standard stroke, Surface mount  
\*Stainless steel spring



### 0926-0

#### 0926-0-15-20-76-14-11-0

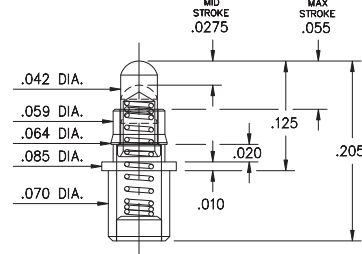
Low profile, Short stroke. Solder mount in .074 min. mounting hole  
Also available on 16mm wide carrier tape: 1,700 parts per 13" reel  
See page 28.4 for Tape & Reel details



### 0926-1

#### 0926-1-15-20-7X-14-11-0

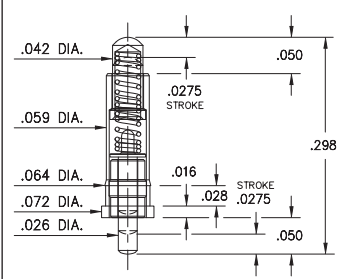
Low profile, Standard stroke. Solder mount in .074 min. mounting hole  
Also available on 24mm wide carrier tape: 1,450 parts per 13" reel  
See page 28.4 for Tape & Reel details



### 0980

#### 0980-0-15-20-7X-14-11-0

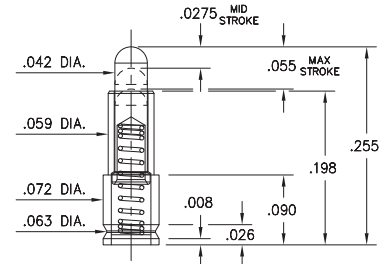
Double action, .055 Combined stroke  
Mount between parallel circuit boards



### 0977

#### 0977-0-15-20-7X-14-11-0

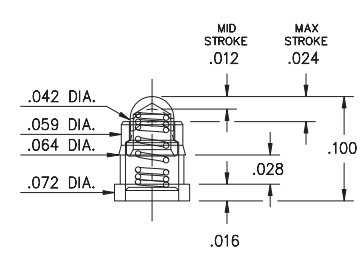
Standard stroke, Surface mount  
Also available on 24mm wide carrier tape: 1,100 parts per 13" reel  
See page 28.4 for Tape & Reel details



### 0965

#### 0965-0-15-20-80-14-11-0

Ultra low profile, Surface mount, \*Stainless steel spring  
Also available on 16mm wide carrier tape: 3,000 parts per 13" reel  
See page 28.4 for Tape & Reel details



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** BeCu or Stainless Steel 302 \*  
**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel  
**Spring Finish:** 10 μ" Gold over Nickel  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ± .006  
Diameters: ± .002  
Angles: ± 2°



#### Mechanical & Electrical Specifications:

**Durability:** Up to 1,000,000 cycles  
**Current Rating:** 2A continuous, 3A peak  
**Contact Resistance:** 20 mΩ max.

#### Environmental Specifications:

**Operating temperature range:**  
-55/+125° C (discontinuous)

**75, 76, 80, 86 Springs are not interchangeable**

Order Code: 09XX - X - 15 - 20 - XX - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
72	.0275	.055	35 g	15 g
75	.0275	.055	60 g	25 g
76	.0195	.039	60 g	25 g
* 80	.012	.024	115 g	25 g
* 86	.0275	.055	100 g	25 g



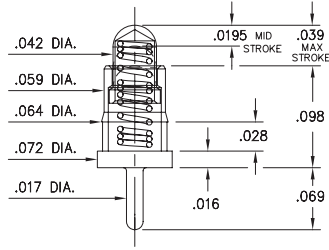
# SPRING-LOADED PINS

## DISCRETE SPRING-LOADED CONTACTS • THROUGH-HOLE MOUNT

### 0906-0

0906-0-15-20-76-14-11-0

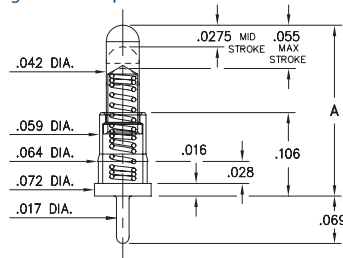
Short stroke, Solder mount in .020 min. mounting hole. Also available with insulated sleeve, see page 19.5



### 0906-1 → 4,8 72 or 75

0906-X-15-20-7X-14-11-0

Standard stroke, Solder mount in .020 min. mounting hole. Also available on 24mm wide carrier tape: 0906-1 & 0906-2 1,200 parts per reel. 0906-3 & 0906-4 600 parts per reel. See page 28.3 for Tape & Reel details



Basic Part Number	Length A
0906-1	.177
0906-2	.197
0906-3	.217
0906-4	.236
*0906-8	.155

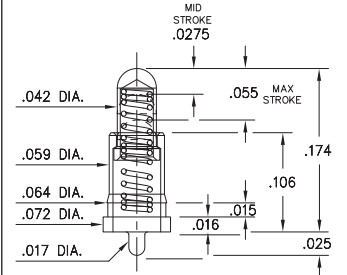
\*0906-8 has a .0195 Mid. Stroke & .039 Max. Stroke

Also available with insulated sleeve, See page 19.5

### 0930

0930-0-15-20-7X-14-11-0

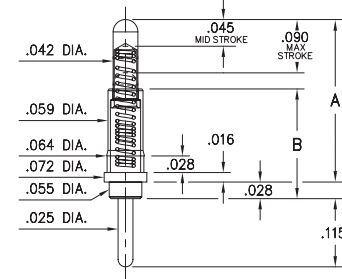
Solder mount in .020 min. mounting hole. Also available on carrier tape: 1,500 parts per 13" reel. See page 28.5 for Tape & Reel details



### 0914

0914-X-15-20-77-14-11-0

Long stroke Solder mount in .029 min. mounting hole

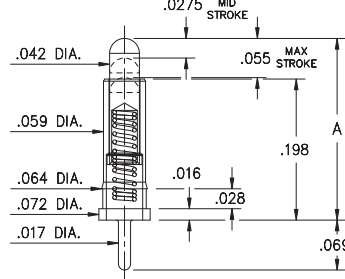


Basic Part Number	Length A	Length B
0914-0	.274	.185
0914-1	.304	.242
0914-2	.334	.272
0914-3	.364	.302

### 0908-0 → 9

0908-X-15-20-7X-14-11-0

Standard stroke Solder mount in .020 min. mounting hole

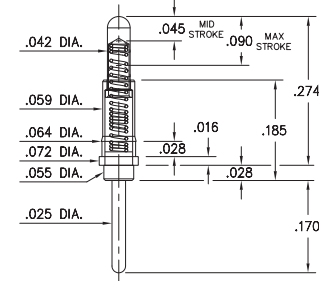


Basic Part Number	Length A
0908-0	.255
0908-1	.275
0908-2	.295
0908-3	.315
0908-4	.335
0908-5	.350
0908-6	.370
0908-7	.390
0908-8	.410
0908-9	.430

### 0932

0932-0-15-20-77-14-11-0

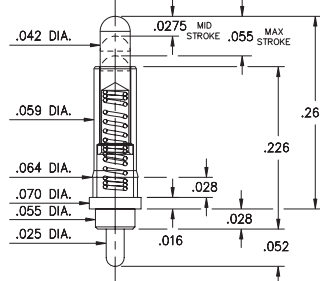
Long stroke Solder mount in .029 min. mounting hole



### 0901

0901-0-15-20-7X-14-11-0

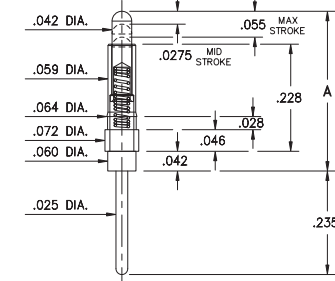
"Legacy P/N 0901-0-00-00-00-00-11-0" Solder mount in .029 min. mounting hole



### 0929

0929-X-15-20-7X-14-11-0

Standard stroke Solder mount in .029 min. mounting hole



Basic Part Number	Length A
0929-0	.340
0929-7	.480

#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** Beryllium Copper  
**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel  
**Spring Finish:** 10 μ" Gold over Nickel  
**Dimensions:** Inches  
**Tolerances On:** Lengths: ± .006  
 Diameters: ± .002  
 Angles: ± 2°



#### Mechanical & Electrical Specifications:

**Durability:** Up to 1,000,000 cycles  
**Current Rating:** 2A continuous, 3A peak  
**Contact Resistance:** 20 mΩ max.  
**Environmental Specifications:**  
**Operating temperature range:** -55/+125° C (discontinuous)

**75, 76, 77 Springs are not interchangeable**

Order Code: 09XX - X - 15 - 20 - 7X - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
72	.0275	.055	35 g	15 g
75	.0275	.055	60 g	25 g
76	.0195	.039	60 g	25 g
77	.045	.090	60 g	25 g



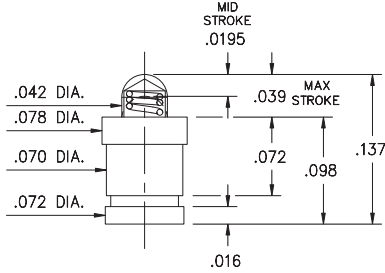
# SPRING-LOADED PINS

## DISCRETE SPRING-LOADED CONTACTS • SURFACE MOUNT

### 0910-0

0910-0-57-20-76-14-11-0

Short stroke, Surface mount  
Packaged on 16mm wide carrier tape: 2,000 parts per 13" reel  
See page 28.5 for Tape & Reel details

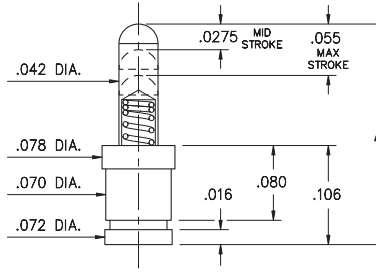


### 0910-1↔4

72 or 75

0910-X-57-20-7X-14-11-0

Standard stroke, Surface mount  
Packaged on carrier tape. See chart for tape width & qty. per reel  
See page 28.5 for Tape & Reel details



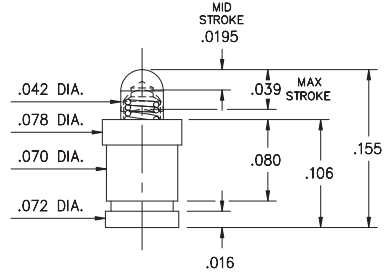
Basic Part Number	Length A
0910-1	.177
0910-2	.197
0910-3	.217
0910-4	.236

Basic Part Number	Tape Width	Quantity per Reel
0910-1	16mm	1,500
0910-2	24mm	1,100
0910-3	24mm	1,100
0910-4	24mm	1,100

### 0910-8

0910-8-57-20-76-14-11-0

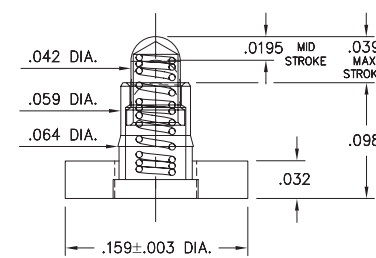
Short stroke, Surface mount  
Packaged on 16mm wide carrier tape: 1,800 parts per 13" reel  
See page 28.5 for Tape & Reel details



### 0990-0

0990-0-50-20-76-14-11-0

Short stroke, Surface mount, Large base  
Also available on 16mm wide carrier tape: 2,150 parts per 13" reel  
See page 28.4 for Tape & Reel details

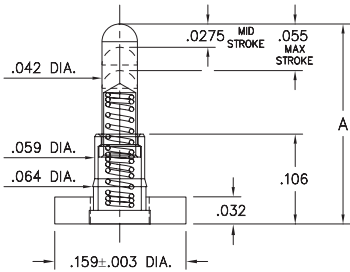


### 0990-1↔4

72 or 75

0990-X-50-20-7X-14-11-0

Standard stroke, Surface mount, Large base  
Also available on 16mm wide carrier tape: 850 parts per 13" reel  
ONLY 0990-4 currently available. See page 28.4 for Tape & Reel details



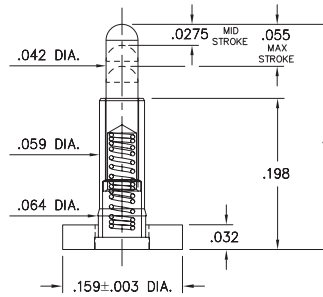
Basic Part Number	Length A
0990-1	.177
0990-2	.197
0990-3	.217
0990-4	.236

### 0997-0↔9

72 or 75

0997-X-50-20-7X-14-11-0

Standard stroke, Surface mount, Large base, Mid profile



Basic Part Number	Length A
0997-0	.255
0997-1	.275
0997-2	.295
0997-3	.315
0997-4	.335
0997-5	.350
0997-6	.370
0997-7	.390
0997-8	.410
0997-9	.430

#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** Beryllium Copper  
**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel  
**Spring Finish:** 10 μ" Gold over Nickel  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ± .006  
Diameters: ± .002  
Angles: ± 2°



#### Mechanical & Electrical Specifications:

**Durability:** Up to 1,000,000 cycles  
**Current Rating:** 2A continuous, 3A peak  
**Contact Resistance:** 20 mΩ max.  
**Environmental Specifications:**  
**Operating temperature range:** -55/+125° C (discontinuous)

**75, 76 Springs are not interchangeable**

Order Code: 09XX - X - XX - 20 - XX - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
72	.0275	.055	35 g	15 g
75	.0275	.055	60 g	25 g
76	.0195	.039	60 g	25 g



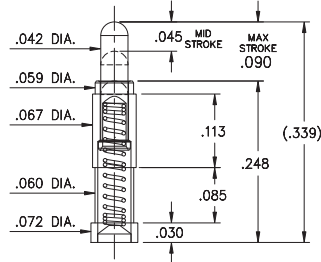
# SPRING-LOADED PINS

## DISCRETE SPRING-LOADED CONTACTS

### 7966-0

7966-0-15-20-77-14-11-0

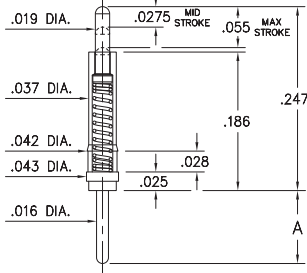
Long stroke, Surface mount. Also available in HSMT connector series: 1,450 parts per 13" reel. Order as: 810-22-0XX-40-005191



### 0985

0985-X-15-20-71-14-11-0

Standard stroke  
Solder mount in .019 min. mounting hole



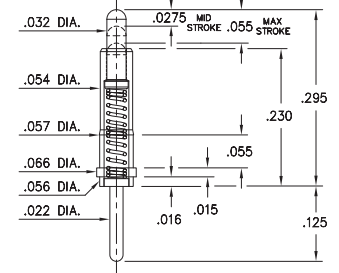
Basic Part Number	Length A
0985-0	.103
0985-1	.150
0985-2	.190

\*\* Durability: Up to 100,000 cycles

### 7911

7911-0-15-20-86-14-11-0

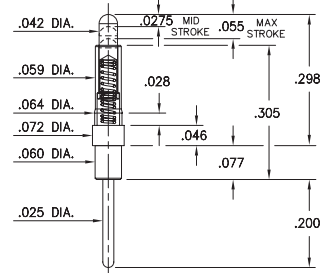
Standard stroke, suitable for 2mm spacing  
\* Stainless steel spring



### 0922

0922-0-15-20-7X-14-11-0

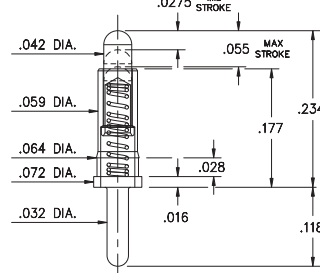
Standard stroke  
Solder mount in .029 min. mounting hole



### 0956

0956-0-15-20-7X-14-11-0

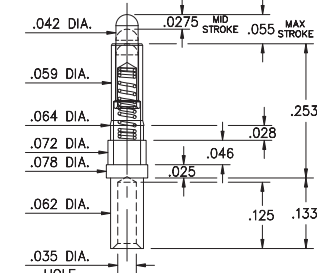
Standard stroke  
Solder mount in .035 min. mounting hole



### 0962

0962-0-15-20-7X-14-11-0

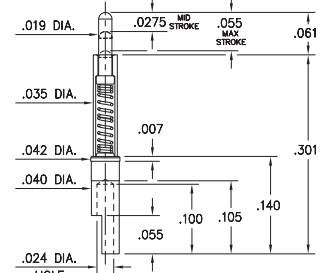
Standard stroke, Wire crimp termination  
for wire sizes 24 AWG Max. / 28 AWG Min.



### 0955

0955-0-15-20-71-14-11-0

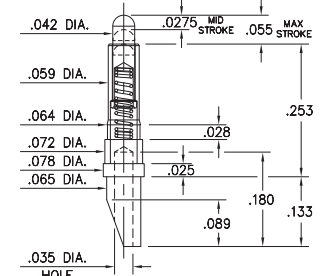
Standard stroke, Soldercup  
Accepts wire sizes up to 26 AWG



### 0933

0933-0-15-20-7X-14-11-0

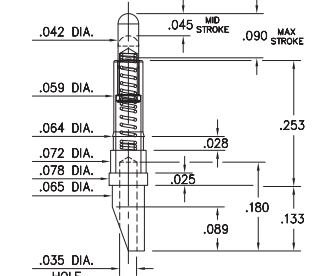
Standard stroke, Soldercup  
Accepts wire sizes up to 24 AWG



### 0947

0947-0-15-20-77-14-11-0

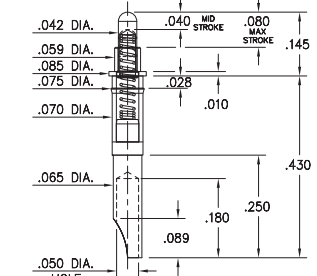
Long stroke, Soldercup  
Accepts wire sizes up to 24 AWG



### 0973

0973-0-15-20-77-14-11-0

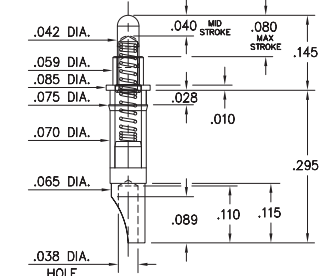
Long stroke, Soldercup  
Accepts wire sizes up to 20 AWG



### 7973

7973-0-15-20-77-14-11-0

Long stroke, Soldercup  
Accepts wire sizes up to 22 AWG



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** BeCu or Stainless Steel 302 \*  
**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel  
**Spring Finish:** 10 μ" Gold over Nickel  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ± .006  
 Diameters: ± .002  
 Angles: ± 2°



#### Mechanical & Electrical Specifications:

**Durability:** Up to 1,000,000 cycles \*\*  
**Current Rating:** 2A continuous, 3A peak  
**Contact Resistance:** 20 mΩ max.  
**Environmental Specifications:**  
**Operating temperature range:**  
 -55/+125° C (discontinuous)  
**71, 75, 77, 86 Springs are not interchangeable**

Order Code: X9XX - X - 15 - 20 - XX - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
71	.0275	.055	60 g	15 g
72	.0275	.055	35 g	15 g
75	.0275	.055	60 g	25 g
77	.045	.090	60 g	25 g
* 86	.0275	.055	100 g	25 g



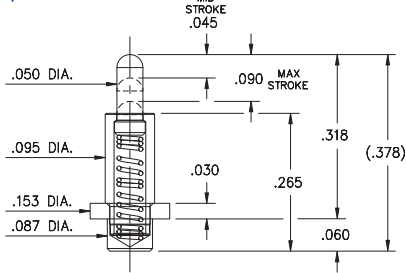
# SPRING-LOADED PINS

## DISCRETE SPRING-LOADED CONTACTS • POWER SPRING PINS

### 0851

0851-0-15-20-82-14-11-0

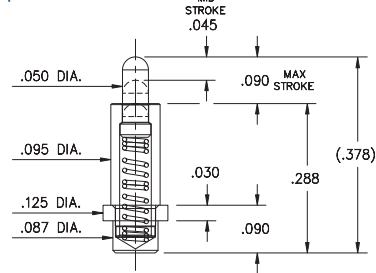
Solder Mount in .090 min. mounting hole or Surface Mount, .087" Ø minimum pad  
Also available on 24mm wide carrier tape: 540 parts per 13" reel  
See page 28.6 for Tape & Reel details



### 0853

0853-0-15-20-82-14-11-0

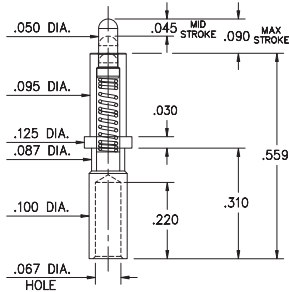
Solder Mount in .090 min. mounting hole or Surface Mount, .087" Ø minimum pad  
Also available on 24mm wide carrier tape: 500 parts per 13" reel  
See page 28.6 for Tape & Reel details



### 0855

0855-0-15-20-82-14-11-0

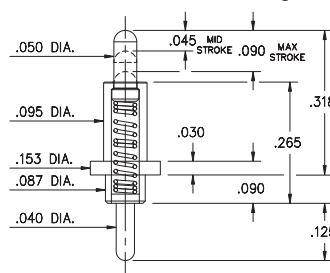
Power spring pin, Wire crimp termination for wire sizes 16 AWG Max. / 20 AWG Min.



### 0856

0856-0-15-20-82-14-11-0

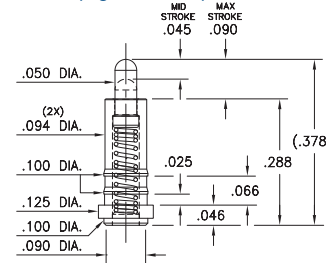
Power spring pin  
Solder Mount in .045 min. mounting hole



### 0859

0859-0-15-20-82-14-11-0

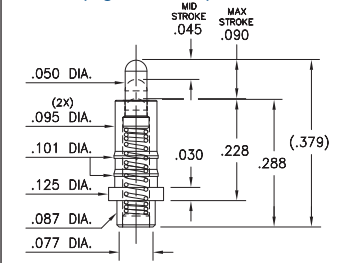
Power spring pin, Surface Mount  
.100" Ø suggested pad size. Also available on 24mm wide carrier tape: 500 parts per 13" reel. See page 28.7 for Tape & Reel details



### 0873

0873-0-15-20-82-14-11-0

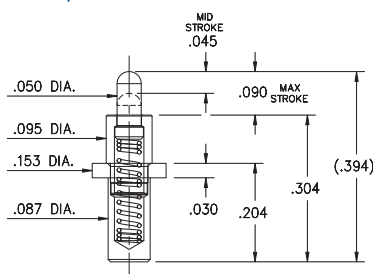
Solder Mount in .090 min. mounting hole or Surface Mount, .087" Ø min. pad size. Also on 24mm wide carrier tape: 500 parts per 13" reel. See page 28.7 for Tape & Reel details



### 0850

0850-0-15-20-83-14-11-0

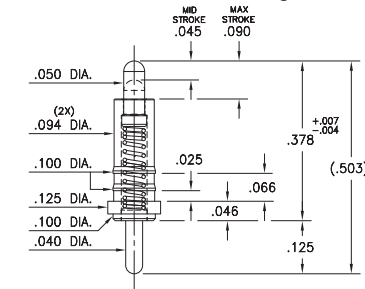
Power spring pin, Solder Mount in .090 min. mounting hole  
Also available on 32mm wide carrier tape: 500 parts per 13" reel  
See page 28.6 for Tape & Reel details



### 0858

0858-0-15-20-82-14-11-0

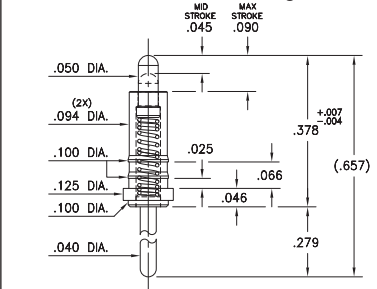
Power spring pin  
Solder Mount in .045 min. mounting hole



### 0878

0878-0-15-20-82-14-11-0

Power spring pin  
Solder Mount in .045 min. mounting hole



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** Stainless Steel 302  
**Sleeve & Plunger Finish:** 20 µ" Gold over Nickel  
**Spring Finish:** 10 µ" Gold over Nickel  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ± .006  
Diameters: ± .002  
Angles: ± 2°



#### Mechanical & Electrical Specifications:

**Durability:** Up to 1,000,000 cycles  
**Rated Current (Free air):**  
Continuous 9 amps @ 10° C temperature rise  
**Contact Resistance:** 20 mΩ max.  
**Environmental Specifications:**  
**Operating temperature range:**  
-55/+125° C (discontinuous)

**82, 83, Springs are not interchangeable**

Order Code: 08XX - X - XX - 20 - 8X - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
82	.045	.090	120 g	25 g
83	.045	.090	120 g	25 g



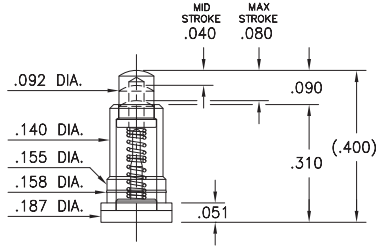
# SPRING-LOADED PINS

## DISCRETE SPRING-LOADED CONTACTS • POWER SPRING PINS

### 0871

0871-0-15-20-82-14-11-0

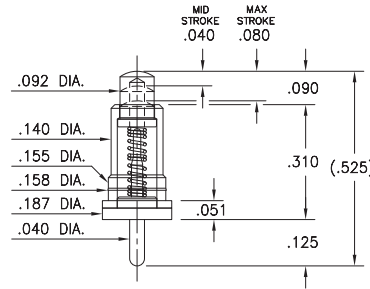
Long stroke, Surface mount \*Force @ Mid. Stroke 100g  
Also available on 24mm wide carrier tape: 330 parts per 13" reel  
See page 28.6 for Tape & Reel details



### 0861

0861-0-15-20-82-14-11-0

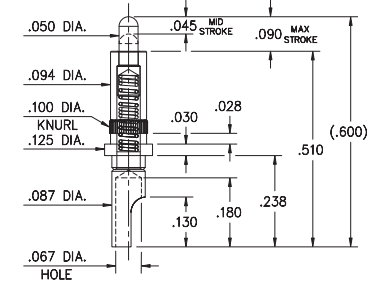
Solder Mount in .043 min. mounting hole  
\*Force @ Mid. Stroke 100g



### 0868

0868-0-15-20-82-14-11-0

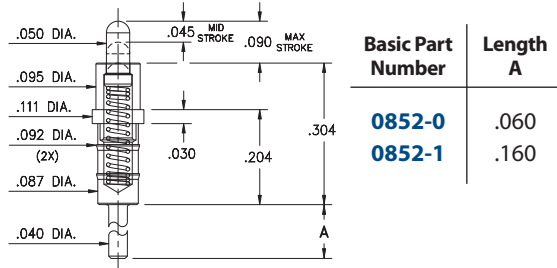
Long stroke, Soldercup  
Accepts wire sizes up to 16 AWG



### 0852

0852-X-15-20-83-14-11-0

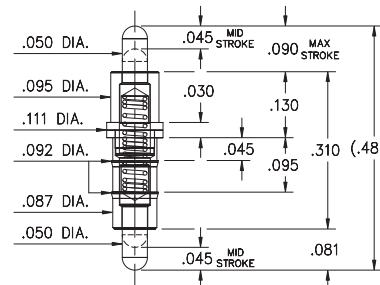
Power spring pin, Solder mount in .045 min. mounting hole  
Also available on 44mm wide carrier tape: 425 parts per 13" reel  
See page 28.6 for Tape & Reel details



### 0880

0880-1-15-20-82-14-11-0

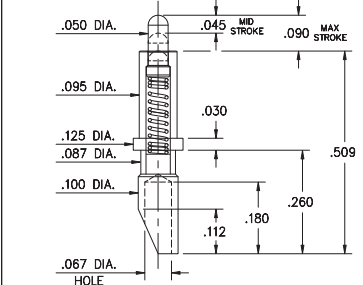
Double action, .090 Max. combined stroke  
Mount between parallel circuit boards



### 0854

0854-0-15-20-82-14-11-0

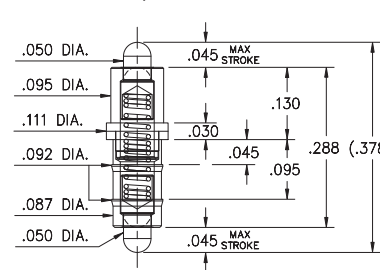
Power spring pin, Soldercup  
Accepts wire sizes up to .057" Dia.



### 0881

0881-1-15-20-82-14-11-0

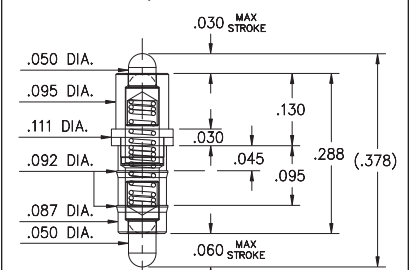
Double action, .090 Max. combined stroke  
Mount between parallel circuit boards



### 0881

0881-2-15-20-82-14-11-0

Double action, .090 Max. combined stroke  
Mount between parallel circuit boards



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** Stainless Steel 302  
**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel  
**Spring Finish:** 10 μ" Gold over Nickel  
**Dimensions:** Inches  
**Tolerances On:** Lengths: ±.006  
Diameters: ±.002  
Angles: ±2°



#### Mechanical & Electrical Specifications:

**Durability:** Up to 1,000,000 cycles  
**Rated Current (Free air):**  
Continuous 9 amps @ 10° C temperature rise  
**Contact Resistance:** 20 mΩ max.  
**Environmental Specifications:**  
**Operating temperature range:**  
-55/+125° C (discontinuous)  
**Springs are not interchangeable**

Order Code: 08XX - X - XX - 20 - 8X - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
82	.045	.090	120 g	25 g
83	.045	.090	120 g	25 g





# SPRING-LOADED PINS

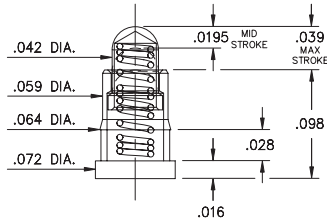
## SPRING-LOADED PINS ON TAPE & REEL PACKAGING

### 0900-0

0900-0-57-20-76-14-11-0

Short stroke, Surface mount

16mm wide X 8mm pitch carrier tape: 2,000 parts per 13" reel.

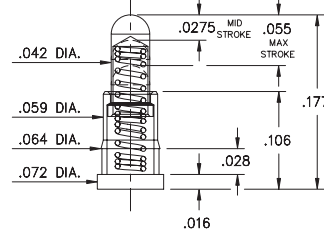


### 0900-1

0900-1-57-20-7X-14-11-0

Standard stroke, Surface mount

16mm wide X 8mm pitch carrier tape: 1,500 parts per 13" reel.

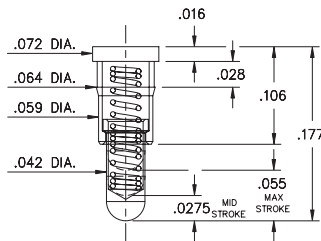


### 0900-1

0900-1-59-20-7X-14-11-0

Standard stroke, Surface mount

16mm wide X 8mm pitch carrier tape: 1,700 parts per 13" reel.

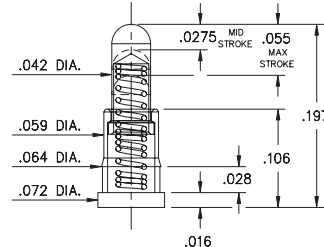


### 0900-2

0900-2-57-20-7X-14-11-0

Standard stroke, Surface mount

24mm wide X 8mm pitch carrier tape: 1,100 parts per 13" reel.

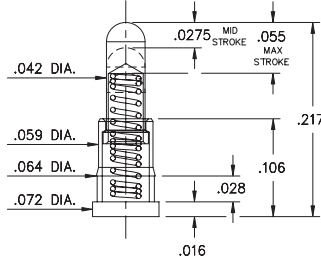


### 0900-3

0900-3-57-20-7X-14-11-0

Standard stroke, Surface mount

24mm wide X 8mm pitch carrier tape: 1,100 parts per 13" reel.

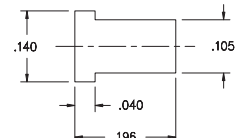
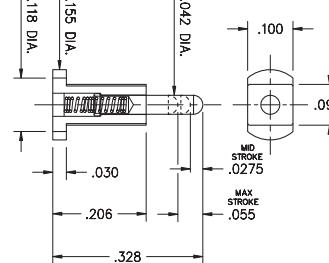


### 0967

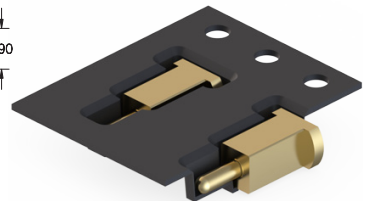
0967-0-58-20-7X-14-11-0

Standard stroke, Horizontal surface mount.

16mm wide X 8mm pitch carrier tape: 2,800 parts per 13" reel.



P.C.B. Layout



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy

**Spring Material:** Beryllium Copper

**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel

**Spring Finish:** 10 μ" Gold over Nickel

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.006

Diameters: ±.002

Angles: ±2°



#### Mechanical & Electrical Specifications:

**Durability:** 1,000,000 cycles

**Current Rating:** 2A continuous, 3A peak

**Contact Resistance:** 20 mΩ max.

**Environmental Specifications:**

**Operating temperature range:** -55/+125°C

**75, 76 Springs are NOT interchangeable**

**72, 75 Springs are interchangeable**

Order Code: 09XX - X - 5X - 20 - 7X - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
72	.0275	.055	35 g	15 g
75	.0275	.055	60 g	25 g
76	.0195	.039	60 g	25 g



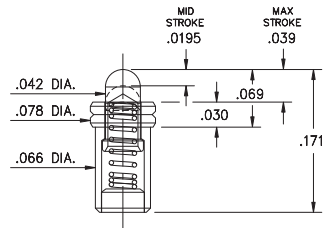
# SPRING-LOADED PINS

## SPRING-LOADED PINS ON TAPE & REEL PACKAGING

### 0921-0

0921-0-57-20-76-14-11-0

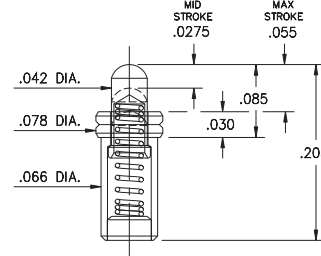
Ultra low profile, Short stroke. Solder mount in .070 min. mounting hole  
24mm wide X 8mm pitch carrier tape: 1,700 parts per 13" reel



### 0921-1

0921-1-57-20-7X-14-11-0

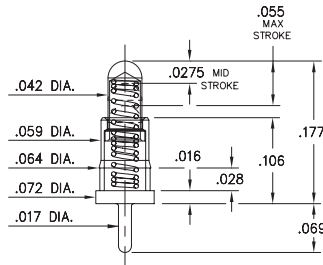
Low profile, Standard stroke. Solder mount in .070 min. mounting hole  
24mm wide X 8mm pitch carrier tape: 1,500 parts per 13" reel



### 0906-1

0906-1-57-20-7X-14-11-0

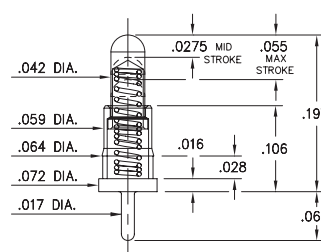
Standard stroke, Solder mount in .020 min mounting hole  
24mm wide X 8mm pitch carrier tape: 1,200 parts per 13" reel.



### 0906-2

0906-2-57-20-7X-14-11-0

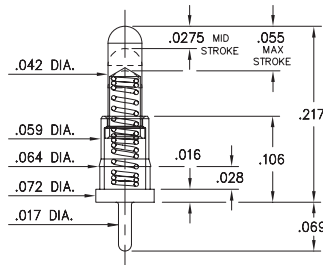
Standard stroke, Solder mount in .020 min mounting hole  
24mm wide X 8mm pitch carrier tape: 1,200 parts per 13" reel.



### 0906-3

0906-3-57-20-7X-14-11-0

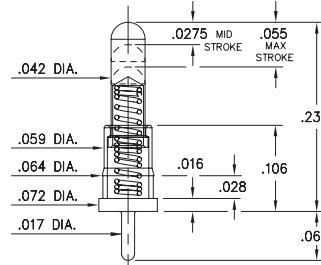
Standard stroke, Solder mount in .020 min mounting hole  
24mm wide X 12mm pitch carrier tape: 600 parts per 13" reel.



### 0906-4

0906-4-57-20-7X-14-11-0

Standard stroke, Solder mount in .020 min mounting hole  
24mm wide X 12mm pitch carrier tape: 600 parts per 13" reel.



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** Beryllium Copper  
**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel  
**Spring Finish:** 10 μ" Gold over Nickel  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ± .006  
 Diameters: ± .002  
 Angles: ± 2°



#### Mechanical & Electrical Specifications:

**Durability:** Up to 1,000,000 cycles  
**Current Rating:** 2A continuous, 3A peak  
**Contact Resistance:** 20 mΩ max.

#### Environmental Specifications:

**Operating temperature range:**  
 -55/+125° C (discontinuous)

**75, 76 Springs are NOT interchangeable**  
**72, 75 Springs are interchangeable**

Order Code: 09XX - X - 57 - 20 - XX - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
72	.0275	.055	35 g	15 g
75	.0275	.055	60 g	25 g
76	.0195	.039	60 g	25 g



# SPRING-LOADED PINS

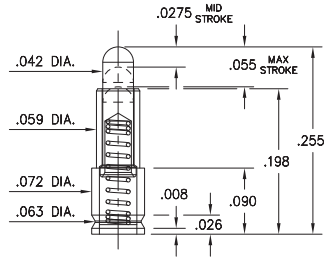
## SPRING-LOADED PINS ON TAPE & REEL PACKAGING

### 0977

0977-0-57-20-7X-14-11-0

Standard stroke, Surface mount

24mm wide X 8mm pitch carrier tape: 1,100 parts per 13" reel

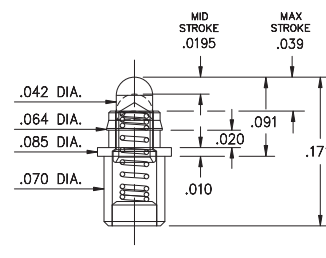


### 0926-0

0926-0-57-20-76-14-11-0

Low Profile, Short Stroke. Solder mount in .074 min. mounting hole:

16mm wide X 8mm pitch carrier tape: 1,700 parts per 13" reel.

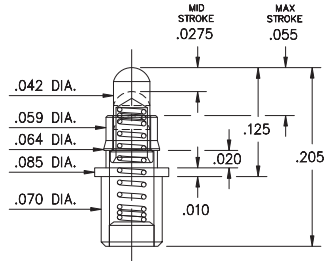


### 0926-1

0926-1-57-20-7X-14-11-0

Low profile, Standard stroke. Solder mount in .074 min. mounting hole

24mm wide X 8mm pitch carrier tape: 1,450 parts per 13" reel

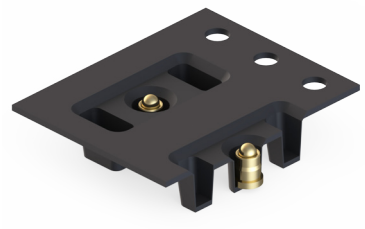
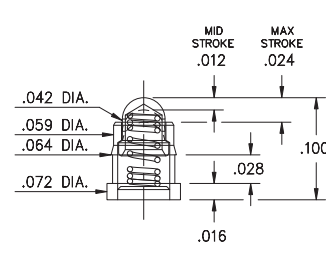


### 0965

0965-0-57-20-80-14-11-0

Ultra low profile, Surface mount, \*Stainless steel spring

16mm wide X 8mm pitch carrier tape: 3,000 parts per 13" reel

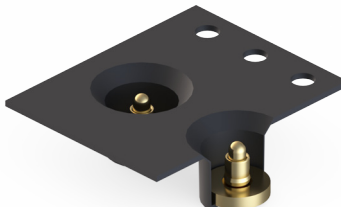
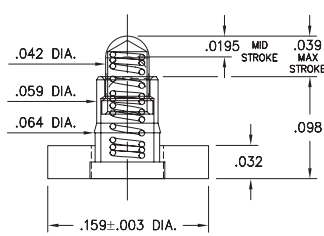


### 0990-0

0990-0-57-20-76-14-11-0

Short stroke, Surface mount, Large base

16mm wide X 8mm pitch carrier tape: 2,150 parts per 13" reel.

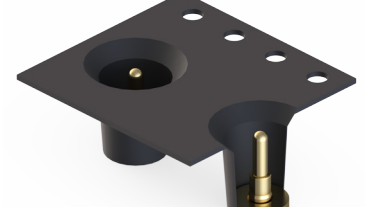
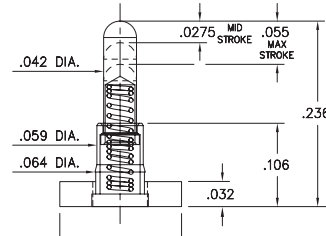


### 0990-4

0990-4-57-20-7X-14-11-0

Standard stroke, Surface mount, Large base

16mm wide X 12mm pitch carrier tape: 850 parts per 13" reel.



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy

**Spring Material:** BeCu or Stainless Steel 302 \*

**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel

**Spring Finish:** 10 μ" Gold over Nickel

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.006

Diameters: ±.002

Angles: ±2°



#### Mechanical & Electrical Specifications:

**Durability:** Up to 1,000,000 cycles

**Current Rating:** 2A continuous, 3A peak

**Contact Resistance:** 20 mΩ max.

#### Environmental Specifications:

**Operating temperature range:**

-55/+125° C (discontinuous)

**75, 76, 80 Springs are NOT interchangeable**  
**72, 75 Springs are interchangeable**

Order Code: 09XX - X - 57 - 20 - XX - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
72	.0275	.055	35 g	15 g
75	.0275	.055	60 g	25 g
76	.0195	.039	60 g	25 g
*80	.012	.024	115 g	25 g



# SPRING-LOADED PINS

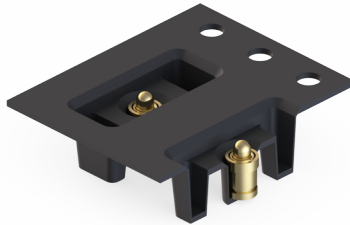
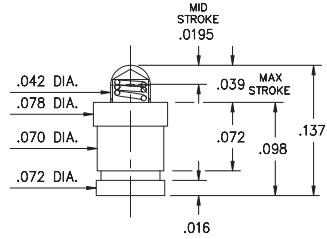
## SPRING-LOADED PINS ON TAPE & REEL PACKAGING

### 0910-0

0910-0-57-20-76-14-11-0

Short stroke, Surface mount

16mm wide X 8mm pitch carrier tape: 2,000 parts per 13" reel

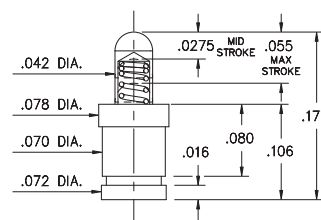


### 0910-1

0910-1-57-20-7X-14-11-0

Standard stroke, Surface mount

16mm wide X 8mm pitch carrier tape: 1,500 parts per 13" reel

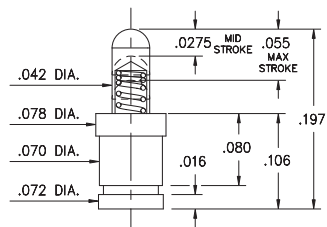


### 0910-2

0910-2-57-20-7X-14-11-0

Standard stroke, Surface mount

24mm wide X 8mm pitch carrier tape: 1,100 parts per 13" reel

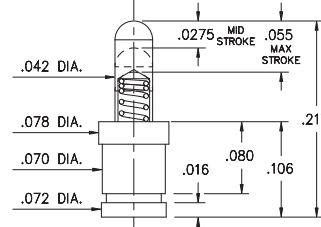


### 0910-3

0910-3-57-20-7X-14-11-0

Standard stroke, Surface mount

24mm wide X 8mm pitch carrier tape: 1,100 parts per 13" reel

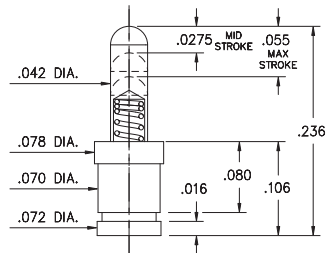


### 0910-4

0910-4-57-20-7X-14-11-0

Standard stroke, Surface mount

24mm wide X 8mm pitch carrier tape: 1,100 parts per 13" reel

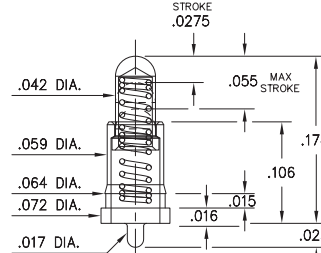


### 0930

0930-0-57-20-7X-14-11-0

Standard stroke, Solder mount in .020" min. mounting hole

24mm wide X 8mm pitch carrier tape: 1,500 parts per 13" reel



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy

**Spring Material:** Beryllium Copper

**Sleeve & Plunger Finish:** 20 μ" Gold over Nickel

**Spring Finish:** 10 μ" Gold over Nickel

**Dimensions:** Inches

**Tolerances On:** Lengths: ± .006

Diameters: ± .002

Angles: ± 2°



#### Mechanical & Electrical Specifications:

**Durability:** 1,000,000 cycles

**Current Rating:** 2A continuous, 3A peak

**Contact Resistance:** 20 mΩ max.

#### Environmental Specifications:

**Operating temperature range:** -55/+125°C

**75, 76 Springs are NOT interchangeable**

**72, 75 Springs are interchangeable**

Order Code: 09XX - X - 57 - 20 - 7X - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
72	.0275	.055	35 g	15 g
75	.0275	.055	60 g	25 g
76	.0195	.039	60 g	25 g



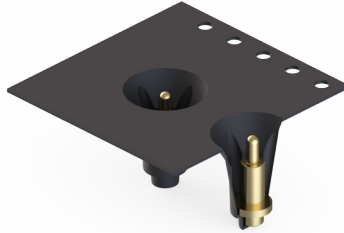
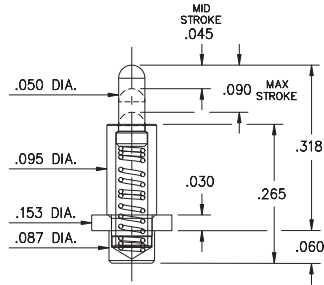
# SPRING-LOADED PINS

## SPRING-LOADED PINS ON TAPE & REEL PACKAGING

### 0851

0851-0-57-20-82-14-11-0

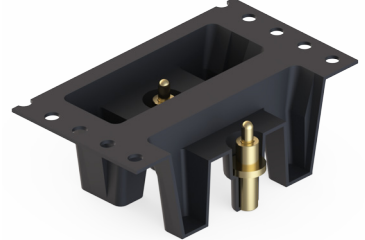
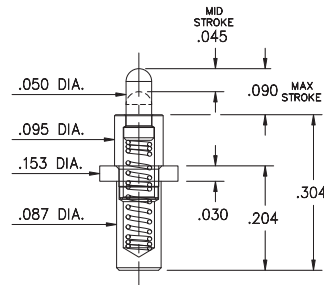
Solder Mount in .090 min. mounting hole or Surface Mount, .087" Ø minimum pad  
24mm wide X 12mm pitch carrier tape: 540 parts per 13" reel



### 0850

0850-0-57-20-83-14-11-0

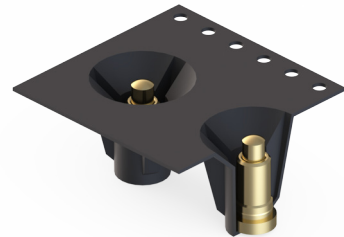
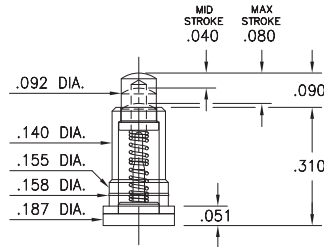
Power spring pin, Solder Mount in .090 min. mounting hole  
32mm wide X 12mm pitch carrier tape: 500 parts per 13" reel



### 0871

0871-0-57-20-82-14-11-0

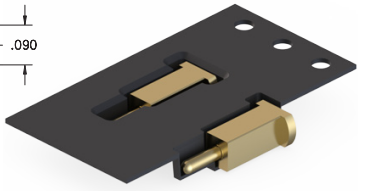
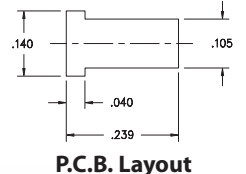
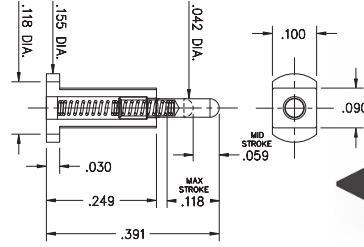
Long stroke, Surface mount \*Force @ Mid. Stroke 100g  
24mm wide X 16mm pitch carrier tape: 330 parts per 13" reel



### 0987

0987-0-58-20-89-14-11-0

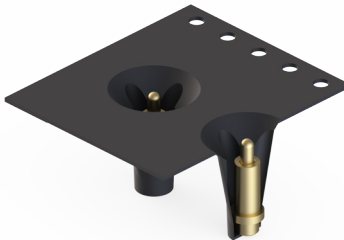
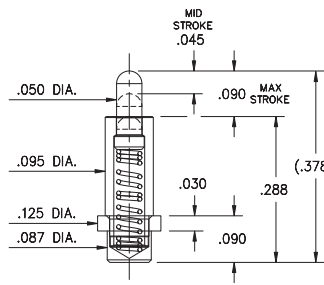
Long stroke, Horizontal surface mount. 24mm wide X 8mm pitch carrier tape: 2,800 parts per 13" reel.



### 0853

0853-0-57-20-82-14-11-0

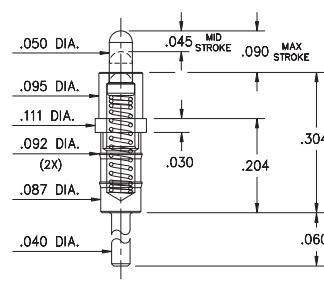
Solder Mount in .090 min. mounting hole or Surface Mount, .087" Ø minimum pad  
24mm wide X 12mm pitch carrier tape: 500 parts per 13" reel



### 0852

0852-0-57-20-83-14-11-0

Power spring pin, Solder Mount in .045 min. mounting hole  
44mm wide X 12mm pitch carrier tape: 425 parts per 13" reel



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** Stainless Steel 302  
**Sleeve & Plunger Finish:** 20 µ" Gold over Nickel  
**Spring Finish:** 10 µ" Gold over Nickel  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ±.006  
 Diameters: ±.002  
 Angles: ±2°



#### Mechanical & Electrical Specifications:

**Durability:** 1,000,000 cycles  
**Current Rating:** 2A continuous, 3A peak  
**Contact Resistance:** 20 mΩ max.  
**Environmental Specifications:**  
**Operating temperature range:** -55/+125° C

**82, 83, 89 Springs are not interchangeable**

Order Code: 08XX - 0 - 5X - 20 - 8X - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
82	.045	.090	120 g	25 g
83	.045	.090	120 g	25 g
89	.059	.118	85 g	25 g



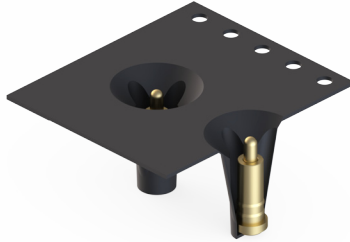
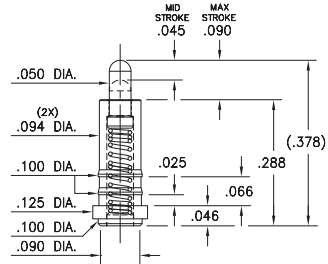
# SPRING-LOADED PINS

## SPRING-LOADED PINS ON TAPE & REEL PACKAGING

### 0859

0859-0-57-20-82-14-11-0

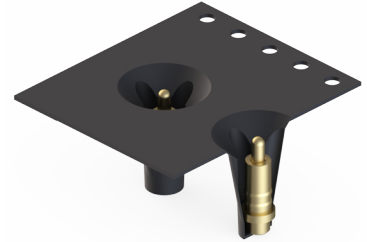
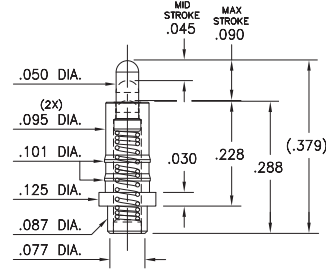
Power spring pin, Surface Mount, .100" Ø suggested pad size  
24mm wide X 12mm pitch carrier tape: 500 parts per 13" reel



### 0873

0873-0-57-20-82-14-11-0

Solder Mount in .090 min. mounting hole or Surface Mount, .087" Ø minimum pad  
24mm wide X 12mm pitch carrier tape: 500 parts per 13" reel



#### Material Specifications:

**Sleeve & Plunger Material:** Copper Alloy  
**Spring Material:** Stainless Steel 302  
**Sleeve & Plunger Finish:** 20 µ" Gold over Nickel  
**Spring Finish:** 10 µ" Gold over Nickel  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ± .006  
 Diameters: ± .002  
 Angles: ± 2°



#### Mechanical & Electrical Specifications:

**Durability:** 1,000,000 cycles  
**Current Rating:** 2A continuous, 3A peak  
**Contact Resistance:** 20 mΩ max.  
**Environmental Specifications:**  
**Operating temperature range:** -55/+125° C

**82 Springs are not interchangeable**

Order Code: 08XX - 0 - 57 - 20 - **82** - 14 - 11 - 0

Spring Number

Spring Number	Mid. Stroke	Max. Stroke	Force @ Mid. Stroke	Initial Force (Pre-Load)
<b>82</b>	.045	.090	120 g	25 g

