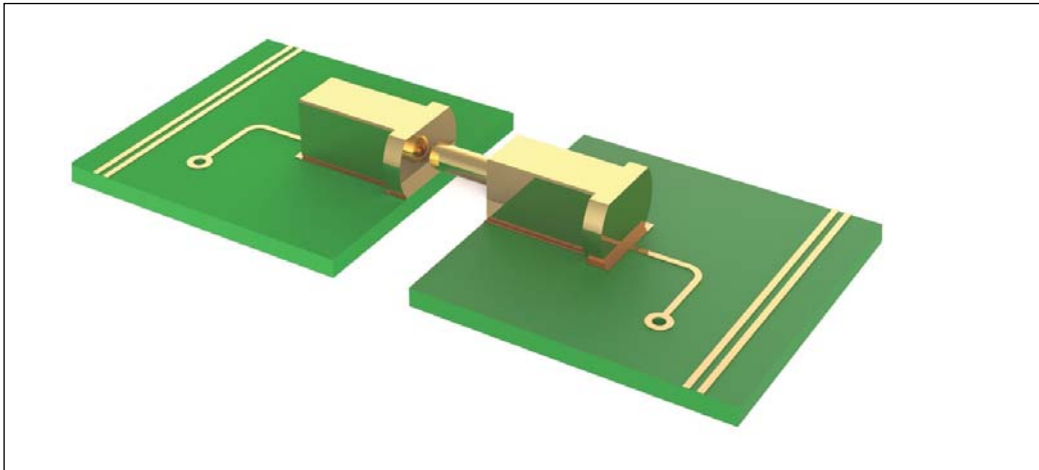


MAXIMUM SOLUTIONS

Horizontal SMT Spring Pin and Target Mate

Mill-Max's 0967 is a low profile, horizontal, surface mount spring pin designed for edge board interface applications: board-to-board or device-to-board. Whereas most spring pins are designed to mount vertically on a P.C. board, the 0967 mounts parallel to the P.C. board so that the plunger travel is horizontal to the board surface. The above board height of .100" (2.54 mm) provides a low profile for tight packaging requirements. Typically mounted on the edge of the P.C. board, it can be mated with a board running perpendicular to it, or parallel P.C. boards can be daisy-chained together by using the Mill-Max 7937 horizontal SMT target pin and 0967 on opposing boards.

The 7937 provides an area approximately .100" (2.54 mm) high by .155" (3.94 mm) long for the plunger of the 0967 to mate with – more than ample to ensure a highly reliable interconnect.



7937-0-00-15-00-00-03-0

0967-0-15-20-75-14-11-0

- Same .100" (2.54 mm) low profile as Mill-Max 0967
- Plated 10μ" gold over nickel
- Available on Tape & Reel
- .100" (2.54 mm) low-profile
- Rated at 2A continuous, 3A peak
- 60 grams of force @ .0275" (0,7mm) mid-stroke
- Durability: 1 million cycles
- Available on Tape & Reel

For more information, please visit: www.mill-max.com/PR616.

(7/14 -- PR616)

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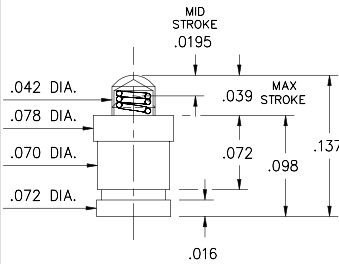
SPRING-LOADED PINS

DISCRETE SPRING-LOADED CONTACTS • SURFACE MOUNT

0910-0

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

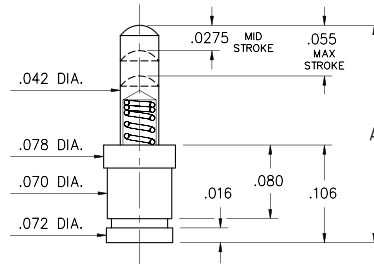
Short stroke, Surface mount
Packaged on 16mm wide carrier tape:
2,000 parts per 13" reel.



0910-1⇨4

0910-X-57-20-75-14-11-0

Standard stroke, Surface mount
Packaged on carrier tape.
See chart for tape width and qty. per reel



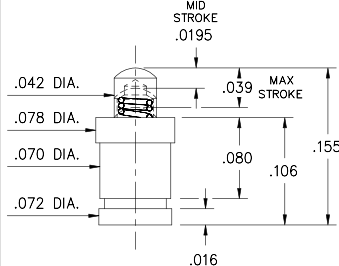
Basic Part Number	Length A
0910-1	.177
0910-2	.197
0910-3	.217
0910-4	.236

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

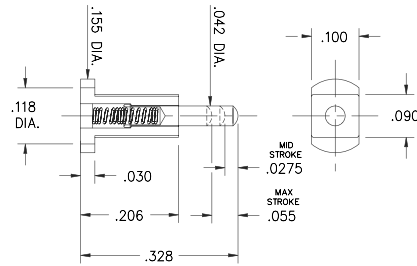
Short stroke, Surface mount
Packaged on 16mm wide carrier tape:
1,800 parts per 13" reel.



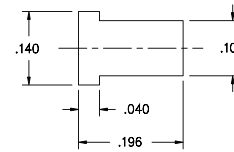
0967

0967-0-15-20-75-14-11-0

Standard stroke, Horizontal surface mount
Also available on 16mm wide carrier tape: 2,200 parts per 13" reel. Order as: 0967-0-58-20-75-14-11-0



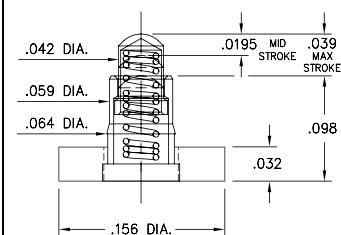
P.C.B. Layout



0990-0

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

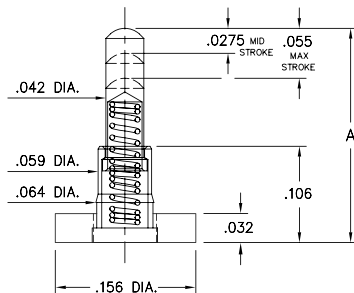
Short stroke, Surface mount, Large base



0990-1⇨4

0990-X-50-20-75-14-11-0

Standard stroke, Surface mount, Large base

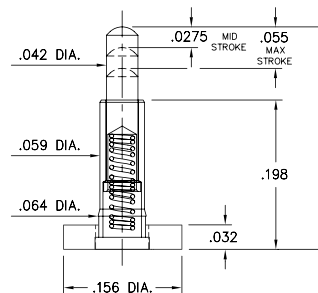


Basic Part Number	Length A
0990-1	.177
0990-2	.197
0990-3	.217
0990-4	.236

0997-0⇨9

0997-X-50-20-75-14-11-0

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: 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

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

Spring Number

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



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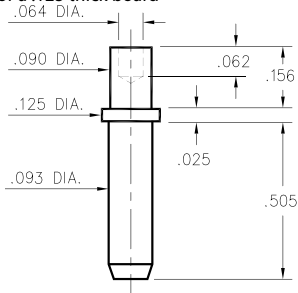
MALE PCB PINS

PRINTED CIRCUIT PINS

5231

5231-0-00-XX-00-00-38-0

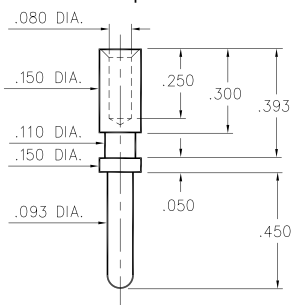
Swage mount in .094 hole
For a .125 thick board



9092

9092-0-00-XX-00-00-38-0

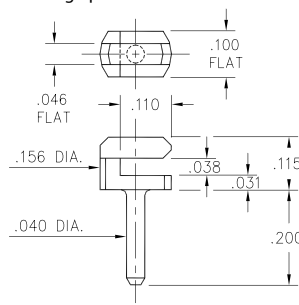
Wire termination up to 14 AWG



7310

7310-0-01-XX-00-00-08-0

Board edge press-fit

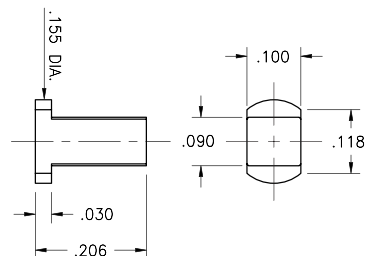


7937

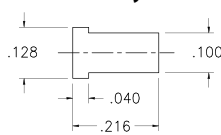
7937-0-00-15-00-00-03-0

Target contact, horizontal surface mount
Also available on 16mm wide carrier tape:
2,400 parts per 13" reel.

Order as: 7937-0-58-15-00-00-03-0



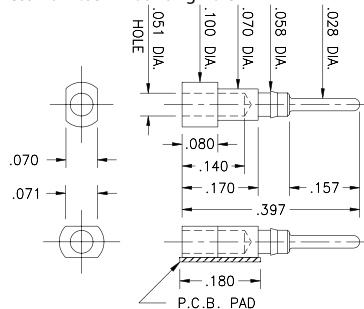
P.C.B. Layout



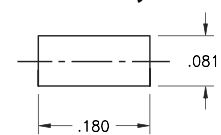
1502

1502-0-00-XX-00-00-33-0

Press-fit in .057 mounting hole



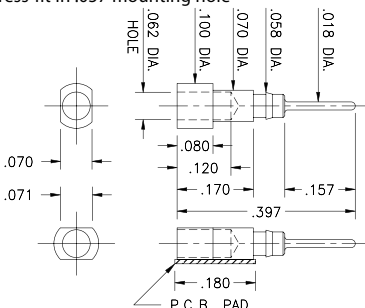
P.C.B. Layout



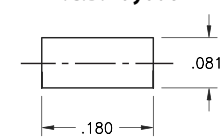
5102

5102-0-00-XX-00-00-33-0

Press-fit in .057 mounting hole



P.C.B. Layout

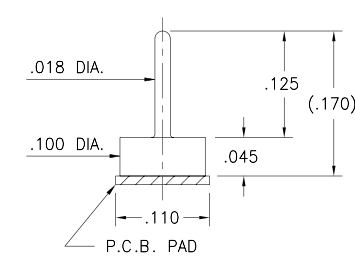


1508

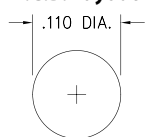
1508-0-00-15-00-00-03-0

Test point, surface mount
Also available on 16mm wide carrier tape:
1,600 parts per 13" reel.

Order as: 1508-0-57-15-00-00-03-0



P.C.B. Layout



SPECIFICATIONS:

Pin Material: Brass Alloy 360, 1/2 Hard
(Except swage pins which are annealed)

Dimensions: Inches

Tolerances On: Lengths: $\pm .005$
Diameters: $\pm .002$
Angles: $\pm 2^\circ$



ORDER CODE: XXXX - X - 0X - XX - 00 - 00 - XX - 0

BASIC PART #

SPECIFY PIN FINISH:

- 01 200 μ " TIN/LEAD OVER NICKEL
- 80 200 μ " TIN OVER NICKEL (RoHS)
- 15 10 μ " GOLD OVER NICKEL (RoHS)
- 21 20 μ " GOLD OVER NICKEL (RoHS)
- 34 50 μ " GOLD OVER NICKEL (RoHS)



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