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# PIN RECEPTACLES





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**The basic component used for making electrical connections in a wide array of electronic equipment is the pin receptacle.** The Mill-Max pin receptacle provides a highly reliable, low resistance electrical path to terminate the pins of a device or discrete wires to a PCB or other mating apparatus such as cables, modules or other pins and wires. Assembled into sockets i.e. DIP, SIP, PGA, etc. or used discretely, receptacles make devices and modules pluggable for repair and replacement. The machined shell or housing of pin receptacles is available in various styles depending on the application, e.g. low profile, elevated, press-fit, SMT. The terminal end of pin receptacles has many variations: a round solder tail, a press-fit tail, a surface mount base, crimp barrel, soldercup, swage feature or no tail.

Inside every Mill-Max receptacle is a contact clip. A contact clip is a conductive, multi-finger, progressive die stamping. The standard material is beryllium copper and for high temperature applications, beryllium nickel is used. Both materials are heat treated to achieve optimal spring characteristics & durability. The contact clip engages, scores and holds the mated pin making an electrical and gas tight connection at 3, 4 or 6 points of contact, depending on the selected contact. Mill-Max receptacles are capable of 1,000 minimum insertion/extraction cycles for a broad range of applications. Mating pin size, shape and finish, along with application specific variables, will affect the life of a contact.

Mill-Max currently offers over 36 styles of contacts to engage pins from .008" to .102" in diameter. A convenient contact selector chart is located on page 248 showing the different specifications of each contact.

Pin receptacles can be utilized as discrete connectors for the plugging and unplugging of components on PC boards. They can be utilized individually or in random arrays where the usage is small. They can be handled and loaded manually in preparation for soldering or, with a different style shell, for press-fitting. When the requirement is for volume placement of receptacles, socket carriers or tape and reel packaging are tremendous labor-saving solutions for our customers.

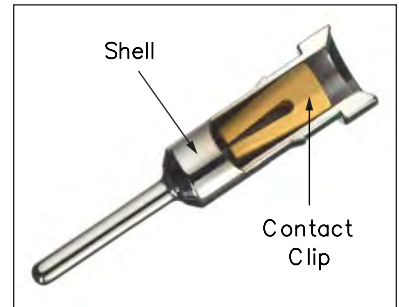
In addition to the products found on the following pages, Mill-Max offers the following stock materials and diameters available for manufacture:

**BRASS Alloy 360, 1/2 hard:** .062/.072/.078/.093/.125/.156/.187/.250 diameters

**PHOSPHOR BRONZE Alloy 544:** .062/.072/.078 diameters

**TELLURIUM COPPER Alloy 145:** .079/.093/.125/.156 diameters

Mill-Max will gladly quote application specific products. Please complete the specification sheet on page 247 or send us your own drawings. We assure you a fast response.



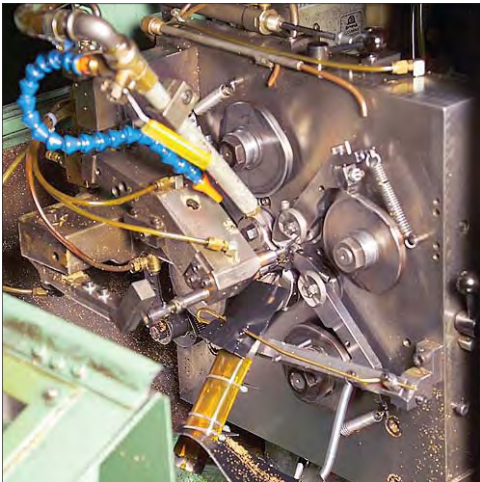
# CUSTOM MACHINING CAPABILITY

## DON'T SEE QUITE WHAT YOU'RE LOOKING FOR IN THE PIN & RECEPTACLE SECTION OF THE CATALOG?

Mill-Max's unique high-speed precision-machining capability enables us to provide custom-designed pins or receptacles tailored to meet your specific requirement.

With over 200 high-speed turning machines on our premises in Oyster Bay, NY, Mill-Max is readily equipped to provide custom pins, terminals and receptacles to your exacting specifications.

Moreover, our in-house, state-of-the-art plating equipment allows us to plate your custom pin with a selection of industry standard finishes. Initial quantities are typically shipped in 5-6 weeks.



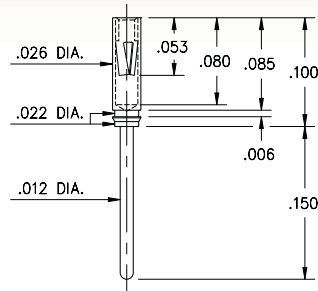
# PIN RECEPTACLES

**FOR .008" - .013" DIAMETER PINS (#04 CONTACT)  
AND .012" - .017" DIAMETER PINS (#10 CONTACT)  
(SEE SPECIFIC CONTACT RANGE ON PAGE 250)**

## 8210

8210-0-15-15-04-27-04-0

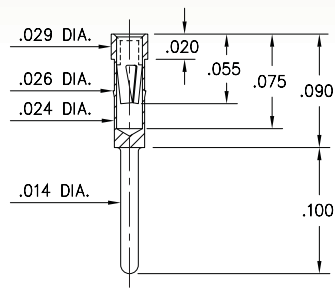
Press-fit in .024/.027 stepped hole



## 0439

0439-0-15-15-04-27-04-0

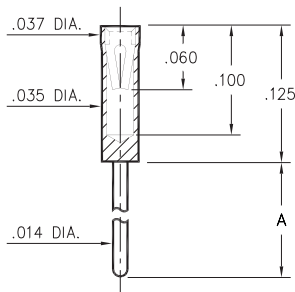
Press-fit in .025 mounting hole



## 0464

0464-X-15-XX-10-XX-04-0

Solder mount in .016 min. mounting hole

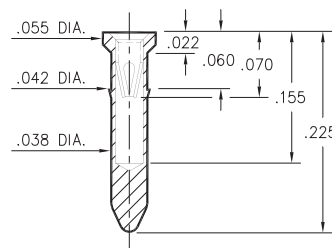


Basic Part Number	Length A
0464-0	.125
0464-1	.250

## 9225

9225-0-15-XX-10-XX-10-0

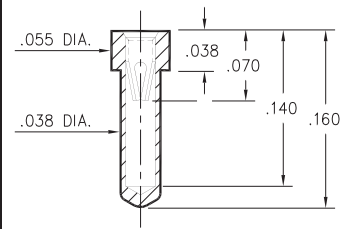
Press-fit in .039 mounting hole



## 0529

0529-0-15-XX-10-XX-10-0

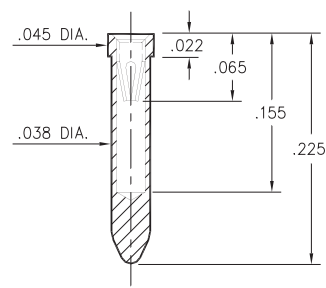
.040 min. mounting hole



## 8947

8947-0-15-XX-10-XX-10-0

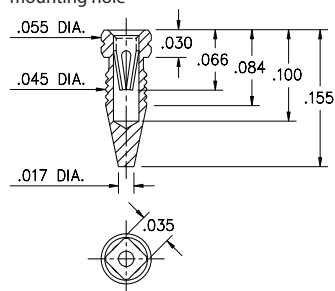
Solder mount in .040 min. mounting hole



## 4993

4993-0-15-15-10-27-10-0

Compliant press-fit in .041 - .043 Dia. mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



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

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#04 or #10 CONTACT (DATA ON PAGE 250)  
(CONTACTS #04 & #10 NOT INTERCHANGEABLE)**



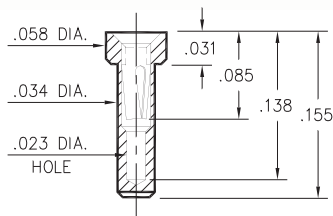
# PIN RECEPTACLES

**FOR .015" - .020" DIAMETER PINS (#11 CONTACT)  
AND .015" - .022" DIAMETER PINS (#21 CONTACT)  
(SEE SPECIFIC CONTACT RANGE ON PAGE 251)**

## 0548

**0548-0-15-XX-21-XX-10-0**

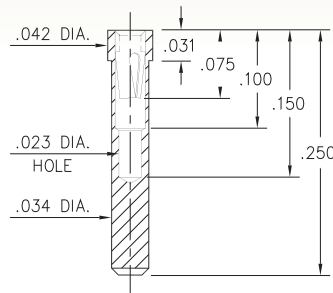
Solder mount in .036 min. mounting hole



## 8975

**8975-0-15-XX-21-XX-10-0**

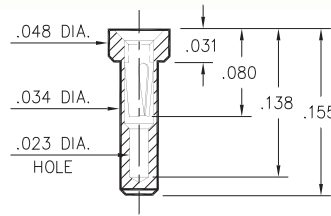
Solder mount in .036 min. mounting hole



## 3016

**3016-0-15-XX-21-XX-10-0**

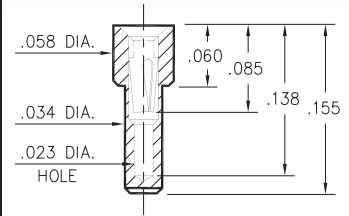
Solder mount in .036 min. mounting hole



## 9548

**9548-0-15-XX-21-XX-10-0**

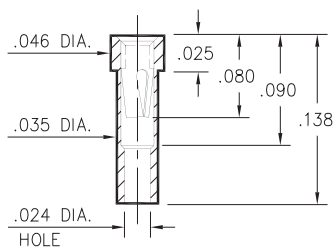
Solder mount in .036 min. mounting hole



## 8637

**8637-0-15-XX-21-XX-10-0**

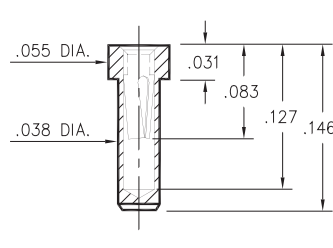
Solder mount in .037 min. mounting hole



## 1407

**1407-0-15-XX-11-XX-10-0**

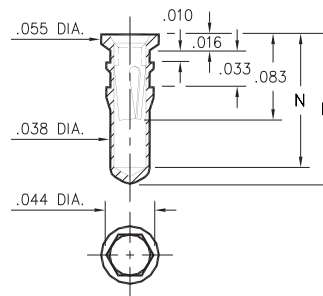
Solder mount in .040 min. mounting hole



## 0553/8553

**X553-X-15-XX-X1-XX-10-0**

Hex press-fit in .041 plated through-hole

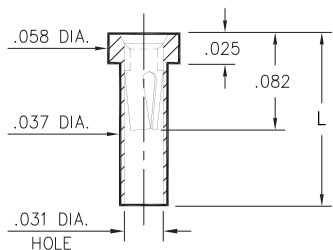


Basic Part Number	Length L	Depth N
0553-1	.140	.124
0553-2	.170	.154
0553-3	.282	.266
8553-0	.245	.229

## 0566

**0566-X-15-XX-21-XX-10-0**

Solder mount in .039 min. mounting hole

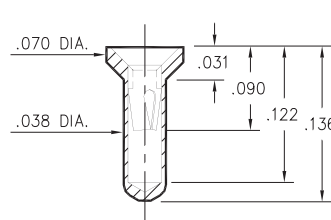


Basic Part Number	Length L
0566-1	.083
0566-2	.138

## 0442

**0442-0-15-XX-11-XX-10-0**

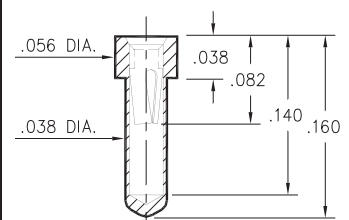
Solder mount in .040 min. mounting hole



## 0554

**0554-0-15-XX-21-XX-10-0**

Solder mount in .040 min. mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE: XXXX - X - 15 - XX - XX - XX - 10 - 0**

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#11 or #21 CONTACT (DATA ON PAGE 251)**

(For alternate contact choices, see group A on page 248)



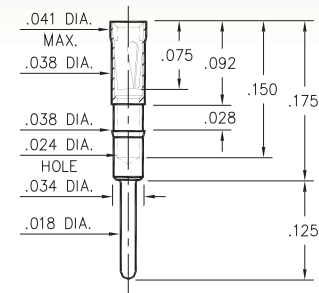
# PIN RECEPTACLES

**FOR .015" - .018" DIAMETER PINS (#09 CONTACT)  
FOR .015" - .020" DIAMETER PINS (#11 CONTACT)  
AND .015" - .022" DIAMETER PINS (#21 CONTACT)**

## 0467

**0467-0-15-XX-21-XX-04-0**

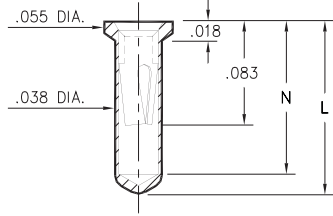
Press-fit in .037 mounting hole



## 0552

**0552-X-15-XX-X1-XX-10-0**

Solder mount in .040 min. mounting hole  
Also available on 16mm wide carrier tape:  
1,500 parts per 13" reel  
Order as: 0552-X-57-XX-X1-XX-10-0

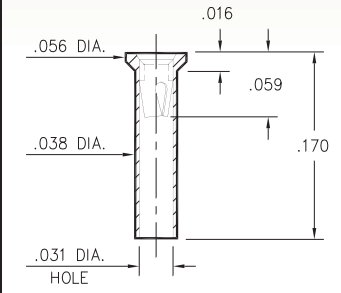


Basic Part Number	Length L	Depth N
<b>0552-1</b>	.136	.120
<b>0552-2</b>	.170	.150

## 5522

**5522-0-15-XX-09-XX-10-0**

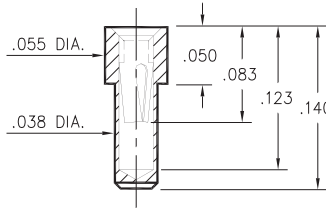
Solder mount in .040 min. mounting hole



## 0569

**0569-0-15-XX-X1-XX-10-0**

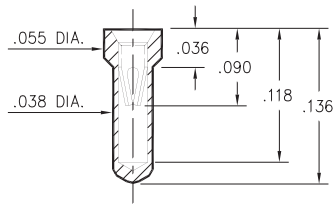
Solder mount in .040 min. mounting hole



## 6023

**6023-0-15-XX-21-XX-10-0**

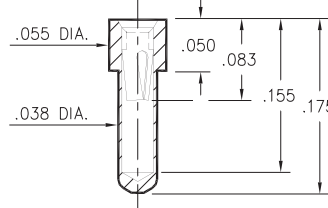
Solder mount in .040 min. mounting hole



## 6214

**6214-0-15-XX-21-XX-10-0**

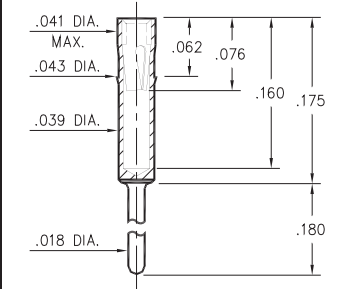
Solder mount in .040 min. mounting hole



## 2086

**2086-0-15-XX-21-XX-04-0**

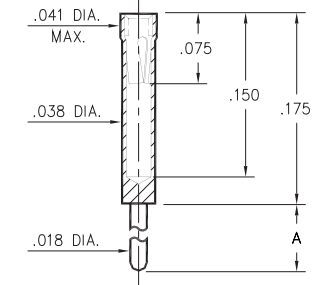
Press-fit in .040 mounting hole



## 0461

**0461-X-15-XX-X1-XX-04-0**

Solder mount in .020 min. mounting hole

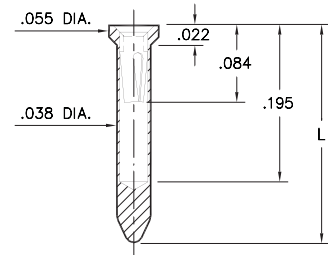


Basic Part Number	Length L
<b>0461-0</b>	.400
<b>0461-1</b>	.275
<b>0461-2</b>	.180
<b>0461-3</b>	.125
<b>0461-4</b>	.060
<b>0461-5</b>	.440

## 8579

**8579-X-15-XX-X1-XX-10-0**

Solder mount in .040 min. mounting hole  
Also available on 24mm wide carrier tape:  
1,200 parts per 13" reel  
Order as: 8579-0-57-XX-X1-XX-10-0



Basic Part Number	Length L
<b>8579-0</b>	.234
<b>8579-1</b>	.295

### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ±2°



**ORDER CODE: XXXX - X - 15 - XX - XX - XX - XX - 0**

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#09, #11 or #21 CONTACT (DATA ON PAGES 250 & 251)**  
(For alternate contact choices, see group A on page 248)



# PIN RECEPTACLES

**FOR .015" - .020" DIAMETER PINS (#11 CONTACT)  
AND .015" - .022" DIAMETER PINS (#21 CONTACT)  
(SEE SPECIFIC CONTACT RANGE ON PAGE 251)**

<p><b>8467</b> 8467-0-15-XX-21-XX-04-0 Hex press-fit in .036 plated through-hole</p>	<p><b>6192</b> 6192-0-15-XX-21-XX-04-0 Square press-fit in .032 plated through-hole</p>	<p><b>9553</b> 9553-0-15-XX-X1-XX-04-0 Hex press-fit in .041 plated through-hole</p>	<p><b>5531</b> 5531-0-15-XX-21-XX-10-0 Hex press-fit in .041 plated through-hole</p>
<p><b>7553</b> 7553-0-15-XX-11-XX-10-0 Hex press-fit in .041 plated through-hole</p>	<p><b>9407</b> 9407-0-15-XX-11-XX-10-0 Solder mount in .040 min. mounting hole</p>	<p><b>9462</b> 9462-0-15-XX-21-XX-04-0 Hex press-fit in .043 plated through-hole</p>	<p><b>1147</b> 1147-0-18-XX-21-XX-10-0 Press-fit in .043 min. mounting hole Accepts wire sizes up to .014" dia.</p>
<p><b>3061</b> 3061-0-19-XX-21-XX-10-0 Wire Crimp Termination. Accepts wire sizes 28 AWG Max. / 32 AWG Min.</p>	<p><b>0579</b> 0579-0-15-XX-X1-XX-10-0 Press-fit in .040 mounting hole</p>	<p><b>8874</b> 8874-0-15-XX-11-XX-10-0 Bottom entry surface mount See page 152 for application details</p>	<p><b>0613</b> 0613-0-15-XX-21-XX-10-0 Press-fit in .047 mounting hole</p>

## SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE: XXXX - X - 1X - XX - XX - XX - XX - 0**

**BASIC PART #**

**SPECIFY SHELL FINISH:**

01 200 μ" TIN/LEAD OVER NICKEL

◆ 80 200 μ" TIN OVER NICKEL (RoHS)

◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

02 100 μ" TIN/LEAD OVER NICKEL

◆ 84 100 μ" TIN OVER NICKEL (RoHS)

◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#11 or #21 CONTACT (DATA ON PAGE 251)**

(For alternate contact choices, see group A on page 248)



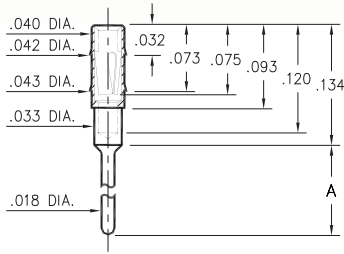
# PIN RECEPTACLES

**FOR .015" - .020" DIAMETER PINS (#11 CONTACT)  
AND .015" - .022" DIAMETER PINS (#05 & #21 CONTACTS)  
(SEE SPECIFIC CONTACT RANGE ON PAGE 251)**

## 0489

**0489-X-15-XX-11-XX-04-0**

Press-fit in .041 mounting hole

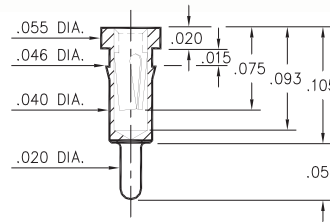


Basic Part Number	Length A
<b>0489-0</b>	.102
<b>0489-1</b>	.199
<b>0489-2</b>	.299

## 0463

**0463-0-15-XX-21-XX-04-0**

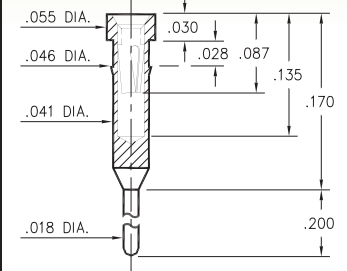
Press-fit in .043 mounting hole.  
Shell is Phosphor Bronze Alloy 544 (B2)



## 0466

**0466-0-15-XX-21-XX-04-0**

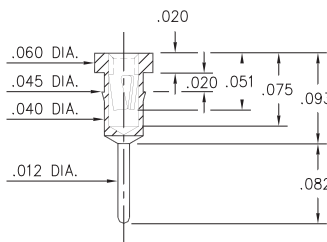
Press-fit in .043 mounting hole.  
Shell is Phosphor Bronze Alloy 544 (B2)



## 7491

**7491-0-15-XX-09-XX-04-0**

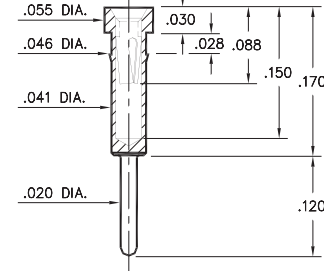
Press-fit in .042 mounting hole  
\*Contact substitution not recommended



## 0462

**0462-0-15-XX-X1-XX-04-0**

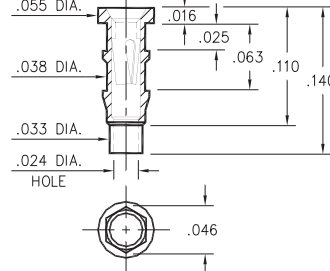
Press-fit in .043 mounting hole



## 0560

**0560-0-15-XX-11-XX-10-0**

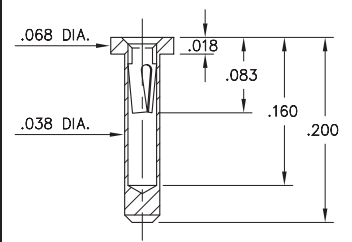
Hex press-fit in .043 plated through-hole



## 5552

**5552-0-15-XX-05-XX-10-0**

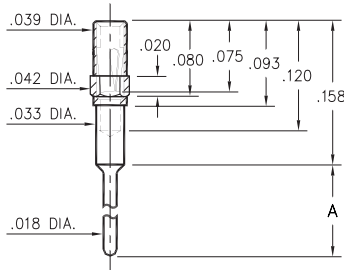
Solder mount in .040 min. mounting hole



## 4890

**4890-X-15-XX-11-XX-04-0**

Octagonal press-fit in .041 mounting hole

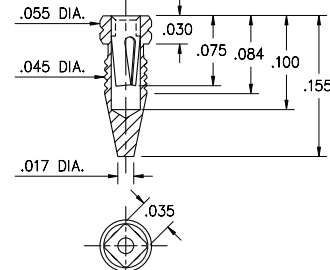


Basic Part Number	Length A
<b>4890-0</b>	.102
<b>4890-1</b>	.199
<b>4890-2</b>	.299

## 4994

**4994-0-15-15-11-27-10-0**

Compliant press-fit in .041 - .044 dia. mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ±2°



**ORDER CODE: XXXX - X - 1X - XX - XX - XX - XX - 0**

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#05, #11 or #21 CONTACT (DATA ON PAGE 251)**  
(For alternate contact choices, see group A on page 248)



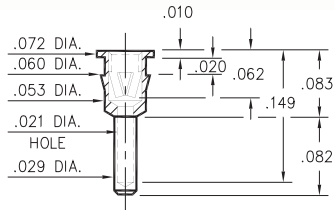
# PIN RECEPTACLES

FOR .015" - .022" DIAMETER PINS

## 0512

0512-0-15-XX-12-XX-04-0

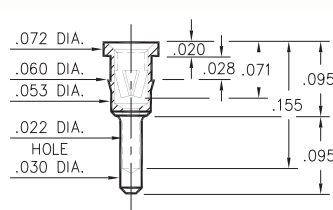
Press-fit in .057 mounting hole



## 0703

0703-0-15-XX-12-XX-04-0

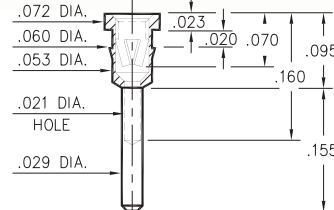
Press-fit in .057 mounting hole



## 0574

0574-0-15-XX-12-XX-04-0

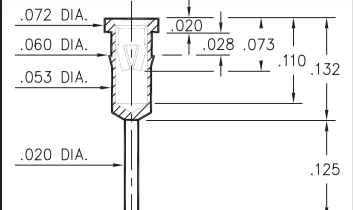
Press-fit in .057 mounting hole



## 0468 \*

0468-0-15-XX-12-XX-04-0

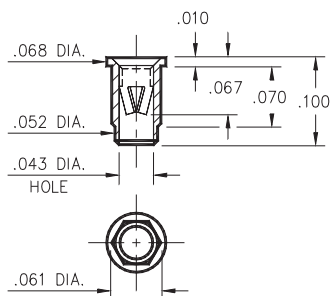
Press-fit in .057 mounting hole



## 8894 \*

8894-0-15-XX-12-XX-10-0

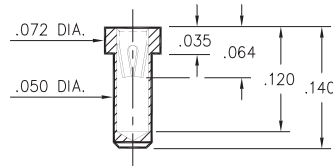
Hex press-fit in .059 plated through-hole



## 0550 \*

0550-0-15-XX-22-XX-10-0

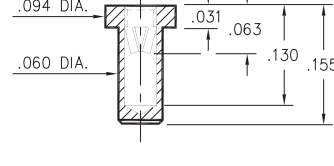
Solder mount in .052 min. mounting hole  
Also available on 16mm wide carrier tape:  
1,700 parts per 13" reel  
Order as: 0550-0-57-XX-22-XX-10-0



## 0671 \*

0671-0-15-XX-12-XX-10-0

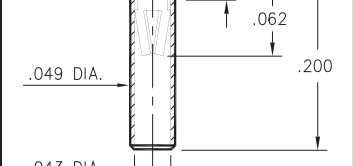
Solder mount in .063 min. mounting hole



## 0707 \*

0707-0-15-XX-12-XX-10-0

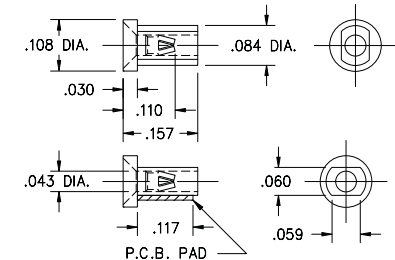
Solder mount in .051 min. mounting hole



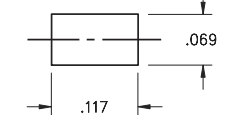
## 5739 \*

5739-0-18-XX-12-XX-10-0

Surface mount  
Also available on 16mm wide carrier tape:  
3,000 parts per 13" reel  
Order as: 5739-0-58-XX-12-XX-10-0



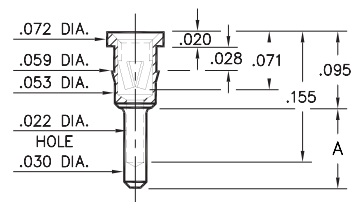
P.C.B. Layout



## 1534

1534-X-15-XX-12-XX-04-0

Press-fit in .056 mounting hole



Basic Part Number	Length A
1534-0	.095
1534-1	.125

### SPECIFICATIONS:

Shell Material: Brass Alloy 360, 1/2 Hard

Contact Material: Beryllium Copper Alloy 172, HT

Dimensions: Inches

Tolerances On: Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



ORDER CODE: XXXX - X - 1X - XX - XX - XX - XX - 0

BASIC PART #

SPECIFY SHELL FINISH:

01 200 μ" TIN/LEAD OVER NICKEL

◆ 80 200 μ" TIN OVER NICKEL (RoHS)

◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:

02 100 μ" TIN/LEAD OVER NICKEL

◆ 84 100 μ" TIN OVER NICKEL (RoHS)

◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:

#12 or #22 CONTACT (DATA ON PAGE 252)

\* (Contact may be interchanged with group B or C contact on page 248)



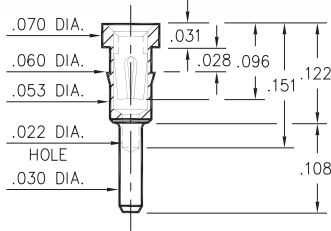
# PIN RECEPTACLES

FOR .015" - .025" DIAMETER PINS

## 0501

0501-0-15-XX-30-XX-04-0

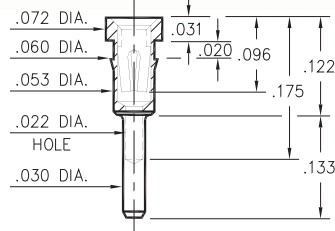
Press-fit in .057 mounting hole



## 8427

8427-0-15-XX-30-XX-04-0

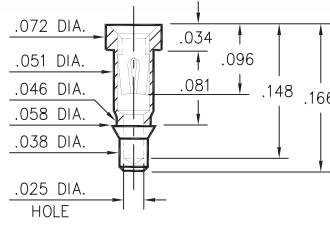
Press-fit in .057 mounting hole



## 1434

1434-0-15-XX-30-XX-10-0

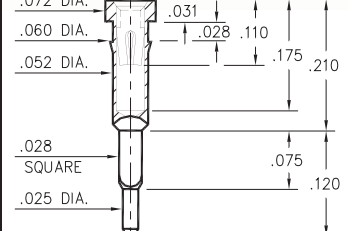
Press-fit in .055 mounting hole



## 9970

9970-0-15-XX-30-XX-04-0

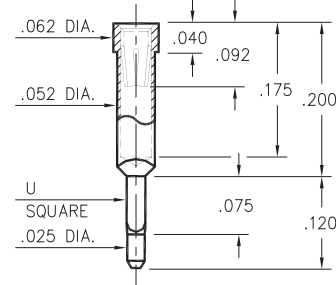
Square press-fit in .032 ± .002 plated through-hole



## 5970

5970-X-15-XX-32-XX-04-0

Square press-fit for .032 or .039 ± .002 plated through-hole

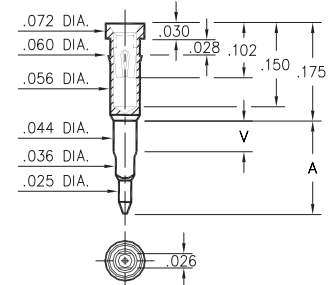


Basic Part Number	U Square	Mounting Hole
5970-1	.028	.032
5970-2	.034	.039

## 0477/0478

047X-0-18-XX-30-XX-04-0

Solderless press-fit in .038 ± .003 / -.002 plated through-hole (use 1.1mm drill prior to plating)

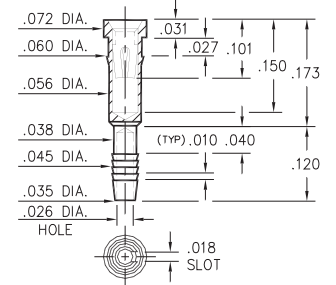


Basic Part Number	Board Thickness	Length V	Length A
0477-0	.062	.075	.175
0478-0	.125	.140	.250

## 4612

4612-0-31-XX-30-XX-04-0

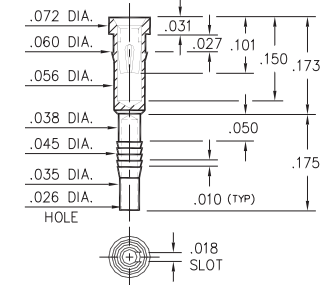
Compliant press-fit in .040 ± .003 plated through-hole. For .060" → .100" thick board



## 4613

4613-0-31-XX-30-XX-04-0

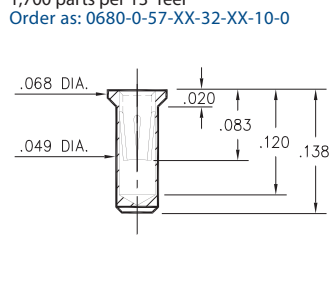
Compliant press-fit in .040 ± .003 plated through-hole. For .090" → .130" thick board



## 0680

0680-0-15-XX-32-XX-10-0

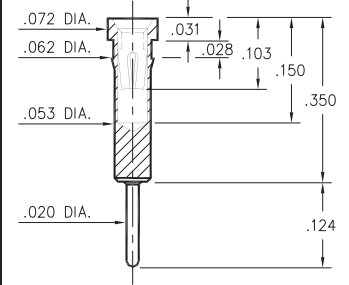
Solder mount in .051 min. mounting hole. Also available on 16mm wide carrier tape: 1,700 parts per 13" reel. Order as: 0680-0-57-XX-32-XX-10-0



## 0149

0149-0-15-XX-30-XX-04-0

Press-fit in .059 mounting hole



### SPECIFICATIONS:

Shell Material: Brass Alloy 360, 1/2 Hard

Contact Material: Beryllium Copper Alloy 172, HT

Dimensions: Inches

Tolerances On: Lengths: ± .005

Diameters: ± .002

Angles: ± 2°



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

BASIC PART #

SPECIFY SHELL FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:

#30 or #32 CONTACT (DATA ON PAGE 253)

(For alternate contact choices, see groups B and C on page 248)



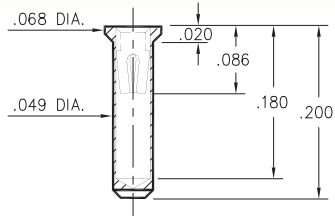
# PIN RECEPTACLES

FOR .015" - .025" DIAMETER PINS

## 0660

0660-0-15-XX-30-XX-10-0

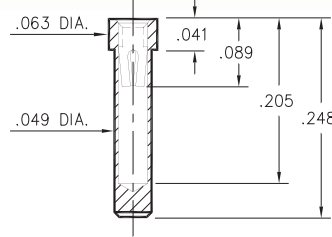
Solder mount in .051 min. mounting hole



## 0677

0677-0-15-XX-30-XX-10-0

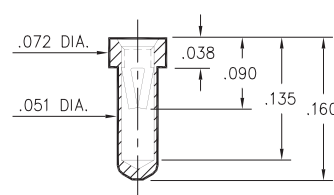
Solder mount in .051 min. mounting hole



## 0555

0555-0-15-XX-32-XX-10-0

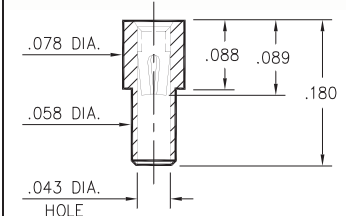
Solder mount in .053 min. mounting hole  
Also available on 16mm wide carrier tape:  
1,800 parts per 13" reel  
Order as: 0555-0-57-XX-32-XX-10-0



## 0558

0558-0-15-XX-30-XX-10-0

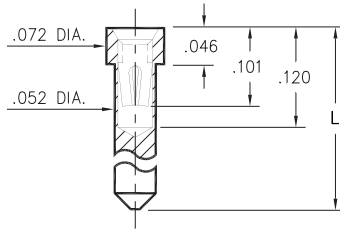
Solder mount in .061 min. mounting hole



## 0675/0679

067X-0-15-XX-30-XX-10-0

Solder mount in .054 min. mounting hole

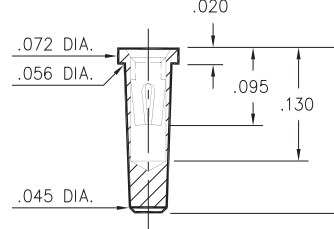


Basic Part Number	Length L
0675-0	.145
0679-0	.203

## 1065/1066/7065

X06X-0-15-XX-30-XX-10-0

Solder mount in .055 min. mounting hole

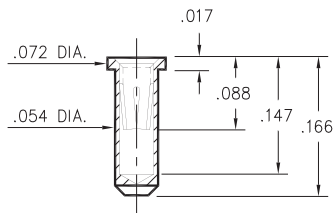


Basic Part Number	Length L
1065-0	.190
1066-0	.160
7065-0	.181

## 0682

0682-0-15-XX-32-XX-10-0

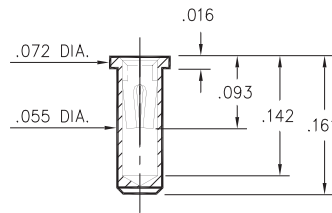
Solder mount in .056 min. mounting hole  
Also available on 16mm wide carrier tape:  
1,500 parts per 13" reel  
Order as: 0682-0-57-XX-32-XX-10-0



## 0667

0667-0-15-XX-30-XX-10-0

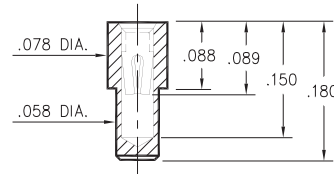
Solder mount in .057 min. mounting hole  
Also available on 16mm wide carrier tape:  
1,700 parts per 13" reel  
Order as: 0667-0-57-XX-30-XX-10-0



## 0665

0665-0-15-XX-30-XX-10-0

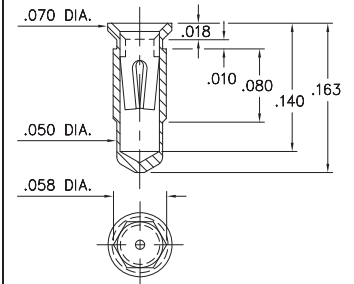
Solder mount in .061 min. mounting hole



## 4286

4286-0-15-XX-30-XX-10-0

Hex press-fit in .055 plated through-hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE:** XXXX - X - 15 - XX - XX - XX - 10 - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

#30 or #32 CONTACT (DATA ON PAGE 253)

(For alternate contact choices, see groups B and C on page 248)



# PIN RECEPTACLES

FOR .015" - .025" DIAMETER PINS

<p><b>0669</b>  <b>0669-0-15-XX-30-XX-10-0</b>                  Solder mount in .060 min. mounting hole                  Also available on 16mm wide carrier tape:                  1,700 parts per 13" reel                  Order as: 0669-0-57-XX-30-XX-10-0</p>	<p><b>0670</b>  <b>0670-0-15-XX-30-XX-10-0</b>                  Solder mount in .060 min. mounting hole</p>	<p><b>0673</b>  <b>0673-0-15-XX-30-XX-10-0</b>                  Surface mount</p>	<p><b>0666</b>  <b>0666-0-15-XX-32-XX-10-0</b>                  Solder mount in .064 min. mounting hole                  Also available on 24mm wide carrier tape:                  1,500 parts per 13" reel                  Order as: 0666-0-57-XX-32-XX-10-0</p>									
<p><b>0341</b>  <b>0341-0-15-XX-30-XX-10-0</b>                  Solder mount in .073 mounting hole                  Also available on 12mm wide carrier tape:                  1,400 parts per 13" reel                  Order as: 0341-0-57-XX-30-XX-10-0</p>	<p><b>0252</b>  <b>0252-0-15-XX-32-XX-10-0</b>                  Hex press-fit in .057 plated through-hole</p>	<p><b>0678</b>  <b>0678-0-15-XX-32-XX-10-0</b>                  Press-fit in .057 mounting hole</p>	<p><b>0676</b>  <b>0676-0-15-XX-30-XX-10-0</b>                  Press-fit in .057 mounting hole</p>									
<p><b>0697</b>  <b>0697-0-15-XX-30-XX-10-0</b>                  Press-fit in .057 mounting hole</p>	<p><b>0668</b>  <b>0668-0-15-XX-30-XX-10-0</b>                  Press-fit in .057 mounting hole</p>	<p><b>0253/1033</b>  <b>XXX3-0-15-XX-30-XX-10-0</b>                  Press-fit in .057 mounting hole</p>	<table border="1"> <thead> <tr> <th>Basic Part Number</th> <th>Length L</th> <th>Depth N</th> </tr> </thead> <tbody> <tr> <td><b>0253-0</b></td> <td>.173</td> <td>.148</td> </tr> <tr> <td><b>1033-0</b></td> <td>.203</td> <td>.162</td> </tr> </tbody> </table>	Basic Part Number	Length L	Depth N	<b>0253-0</b>	.173	.148	<b>1033-0</b>	.203	.162
Basic Part Number	Length L	Depth N										
<b>0253-0</b>	.173	.148										
<b>1033-0</b>	.203	.162										

**SPECIFICATIONS:**

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Dimensions:** Inches  
**Tolerances On:** Lengths: ±.005  
 Diameters: ±.002  
 Angles: ± 2°



**ORDER CODE:** XXXX - X - 15 - XX - XX - XX - 10 - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#30 or #32 CONTACT (DATA ON PAGE 253)**

(For alternate contact choices, see groups B and C on page 248)



# PIN RECEPTACLES

FOR .015" - .025" DIAMETER PINS

<p><b>4011</b> 4011-0-15-XX-30-XX-04-0 Press-fit in .057 mounting hole</p>	<p><b>1801</b> 1801-0-15-XX-30-XX-04-0 Press-fit in .057 mounting hole. Shell is Phosphor Bronze Alloy 544 (B2)</p>	<p><b>1001</b> 1001-0-15-XX-3X-XX-04-0 Press-fit in .057 mounting hole</p>	<p><b>0156</b> 0156-0-18-XX-30-XX-04-0 Self-retention socket pin .038 - .043 hole prior to soldering</p>												
<p><b>0255</b> 0255-0-15-XX-30-XX-04-0 Solder mount in .022 min. mounting hole</p>	<p><b>1109</b> 1109-0-15-XX-30-XX-04-0 Hex press-fit in .057 plated through-hole</p>	<p><b>3013</b> 3013-0-15-XX-32-XX-04-0 Press-fit in .057 mounting hole</p>	<p><b>0134</b> 0134-0-15-XX-3X-XX-04-0 Press-fit in .057 mounting hole</p>												
<p><b>0132/0135</b> 013X-0-15-XX-30-XX-04-0 Press-fit in .057 mounting hole</p> <table border="1" data-bbox="511 1333 730 1491"> <thead> <tr> <th>Basic Part Number</th> <th>Length A</th> </tr> </thead> <tbody> <tr> <td>0132-0</td> <td>.273</td> </tr> <tr> <td>0135-0</td> <td>.183</td> </tr> </tbody> </table>		Basic Part Number	Length A	0132-0	.273	0135-0	.183	<p><b>0133/0147</b> 01XX-0-15-XX-30-XX-04-0 Press-fit in .059 mounting hole</p> <table border="1" data-bbox="1209 1333 1429 1491"> <thead> <tr> <th>Basic Part Number</th> <th>Length A</th> </tr> </thead> <tbody> <tr> <td>0133-0</td> <td>.382</td> </tr> <tr> <td>0147-0</td> <td>.563</td> </tr> </tbody> </table>		Basic Part Number	Length A	0133-0	.382	0147-0	.563
Basic Part Number	Length A														
0132-0	.273														
0135-0	.183														
Basic Part Number	Length A														
0133-0	.382														
0147-0	.563														

**SPECIFICATIONS:**

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Dimensions:** Inches  
**Tolerances On:** Lengths: ±.005  
 Diameters: ±.002  
 Angles: ± 2°



**ORDER CODE:** XXXX - X - 15 - XX - XX - XX - 10 - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#30 or #32 CONTACT (DATA ON PAGE 253)**

(For alternate contact choices, see groups B and C on page 248)



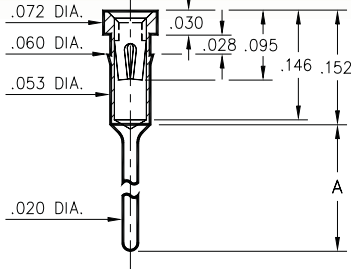
# PIN RECEPTACLES

## FOR .015" - .025" DIAMETER PINS

### 1005/1013/8898

XXXX-0-15-XX-3X-XX-04-0

Press-fit in .057 mounting hole  
Annealed brass shell for auto-clinching \*



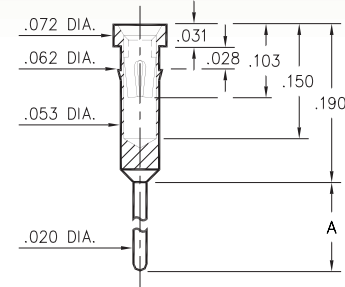
Basic Part Number	Length A
1005-0	.138
1013-0	.165
8898-0	.224

\* NOTE: 8898 is not annealed & not suitable for auto-clinching

### 0145/0146

014X-0-15-XX-30-XX-04-0

Press-fit in .059 mounting hole

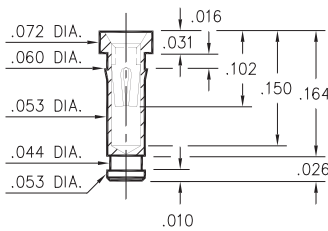


Basic Part Number	Length A
0145-0	.300
0146-0	.410

### 4378

4378-0-15-XX-30-XX-10-0

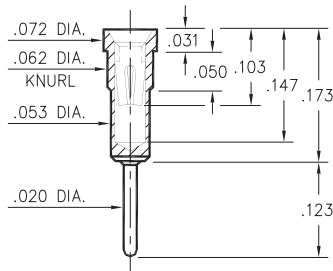
Press-fit in .057 mounting hole



### 0556

0556-0-15-XX-30-XX-04-0

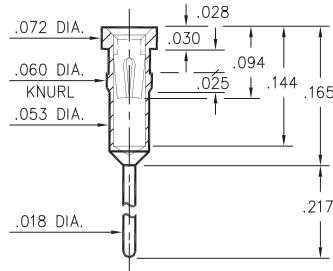
Press-fit in .059 mounting hole



### 1103

1103-0-15-XX-30-XX-04-0

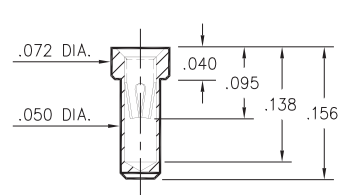
Press-fit in .057 mounting hole



### 9234

9234-0-15-XX-30-XX-10-0

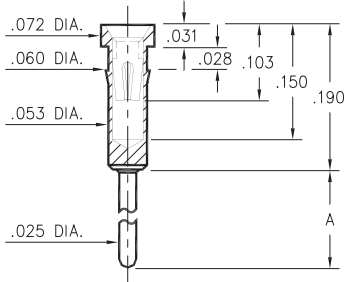
Solder mount in .052 min. mounting hole



### 0136/37/38/39/41/48/52

01XX-0-15-XX-30-XX-04-0

Press-fit in .057 mounting hole

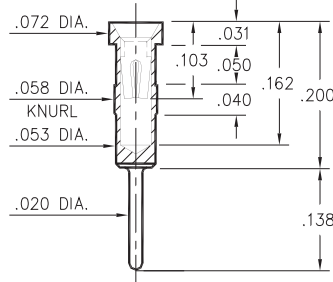


Basic Part Number	Length A
0136-0	1.215
0137-0	.560
0138-0	.210
0139-0	.635
0141-0	.700
0148-0	.455
0152-0	.410

### 0447

0447-0-15-XX-30-XX-04-0

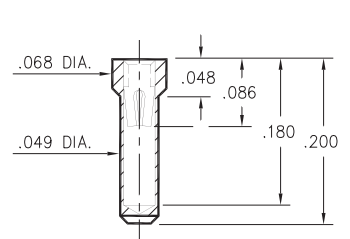
Press-fit in .056 mounting hole



### 5660

5660-0-15-XX-30-XX-10-0

Solder mount in .051 min. mounting hole



#### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ±2°



**ORDER CODE:** XXXX - X - 15 - XX - XX - XX - XX - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

#30 or #32 CONTACT (DATA ON PAGE 253)

(For alternate contact choices, see groups B and C on page 248)



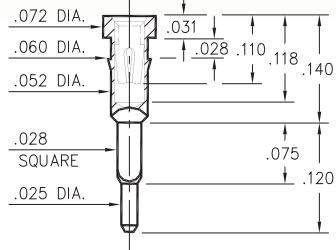
# PIN RECEPTACLES

FOR .015" - .025" DIAMETER PINS

## 7132

7132-0-15-XX-30-XX-04-0

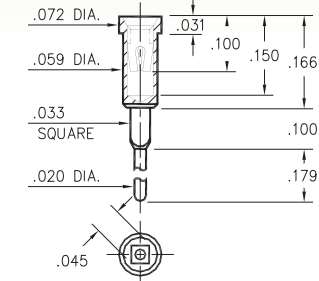
Square press-fit for .032 ± .002 plated through-hole



## 8445

8445-0-15-XX-30-XX-04-0

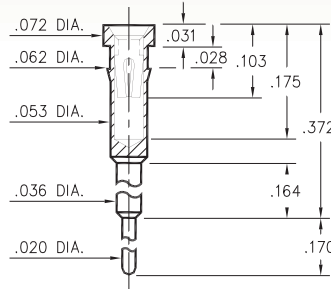
Square press-fit for .039 ± .002 plated through-hole



## 1038

1038-0-15-XX-30-XX-04-0

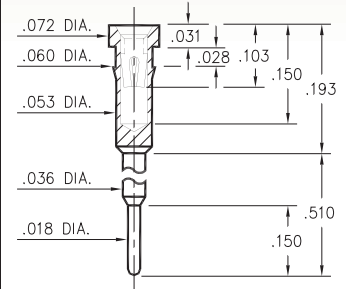
Press-fit in .059 mounting hole



## 1261

1261-0-15-XX-30-XX-04-0

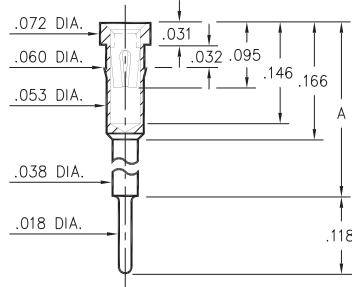
Press-fit in .057 mounting hole



## 0153

0153-X-15-XX-30-XX-04-0

Press-fit in .057 mounting hole

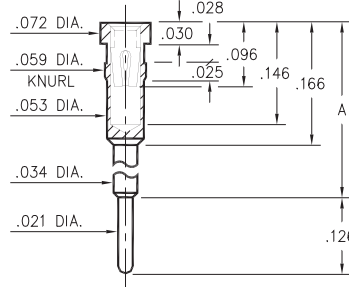


Basic Part Number	Height A
0153-1	.236
0153-2	.315
0153-3	.402
0153-4	.472
0153-5	.594
0153-6	.699

## 1602/1610

16XX-0-15-XX-30-XX-04-0

Press-fit in .057 mounting hole

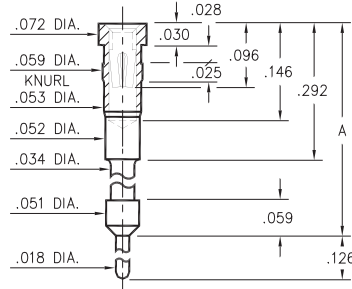


Basic Part Number	Height A
1602-0	.441
1610-0	.642

## 0903/0904

090X-0-15-XX-30-XX-04-0

Press-fit in .057 mounting hole

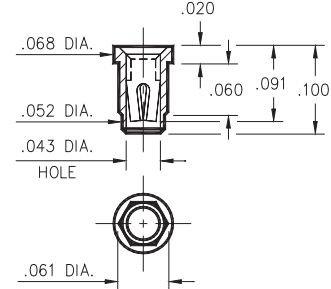


Basic Part Number	Height A
0903-0	.841
0904-0	1.141

## 8252

8252-0-15-XX-30-XX-10-0

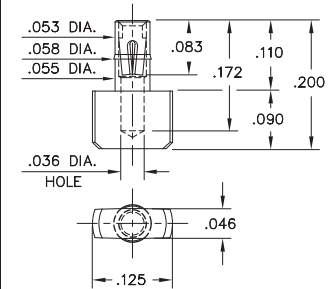
Press-fit in .057 plated through-hole



## 4078

4078-0-15-XX-30-XX-40-0

Press-fit in .057 mounting hole



### SPECIFICATIONS:

Shell Material: Brass Alloy 360, 1/2 Hard

Contact Material: Beryllium Copper Alloy 172, HT

Dimensions: Inches

Tolerances On: Lengths: ± .005  
 Diameters: ± .002  
 Angles: ± 2°



ORDER CODE: **XXXX - X - 15 - XX - 30 - XX - XX - 0**

BASIC PART #

SPECIFY SHELL FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:

#30 CONTACT (DATA ON PAGE 253)

(For alternate contact choices, see groups B and C on page 248)



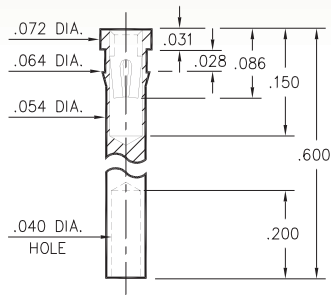
# PIN RECEPTACLES

FOR .015" - .025" DIAMETER PINS

## 1707

1707-0-19-XX-30-XX-10-0

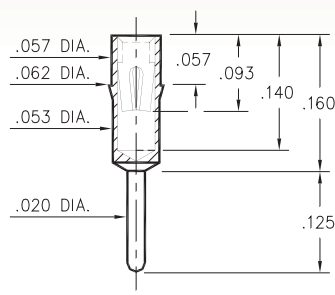
Press-fit in .061 mounting hole



## 0240

0240-0-15-XX-30-XX-04-0

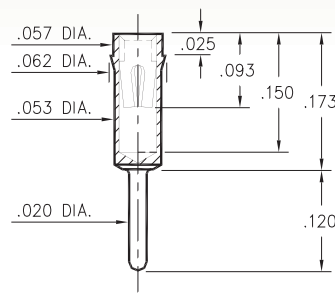
Press-fit in .059 mounting hole



## 0307

0307-0-15-XX-30-XX-04-0

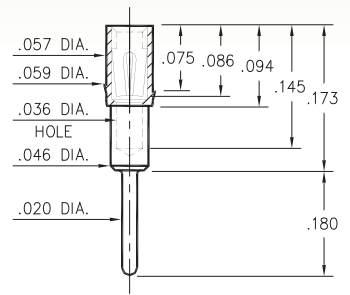
Press-fit in .059 mounting hole



## 1753

1753-0-15-XX-30-XX-04-0

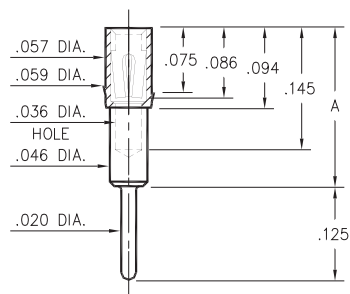
Press-fit in .057 mounting hole



## 1705/1706/1762

17XX-0-15-XX-3X-XX-04-0

Press-fit in .057 mounting hole

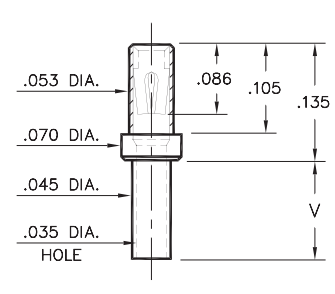


Basic Part Number	Height A
1705-0	.165
1706-0	.218
1762-0	.300

## 0672

0672-X-15-XX-30-XX-10-0

Swage mount in .049 hole

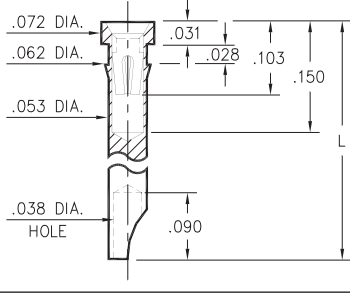


Basic Part Number	Board Thickness	Length V
0672-1	.031	.052
0672-2	.062	.084
0672-3	.094	.115
0672-4	.125	.146

## 1024/1104

1XX4-0-18-XX-30-XX-10-0

Press-fit in .059 mounting hole  
Accepts wire sizes up to .028" dia.

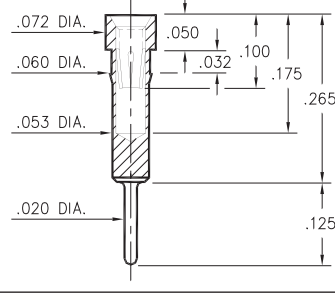


Basic Part Number	Length L
1024-0	.290
1104-0	.450

## 0498

0498-0-15-XX-35-XX-04-0

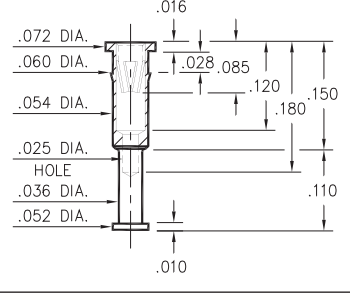
Press-fit in .057 mounting hole



## 8131

8131-0-15-XX-30-XX-10-0

Press-fit in .057 mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE:** XXXX - X - 1X - XX - XX - XX - XX - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#30 or #35 CONTACT (DATA ON PAGE 253 & 254)**

(For alternate contact choices, see groups B and C on page 248)



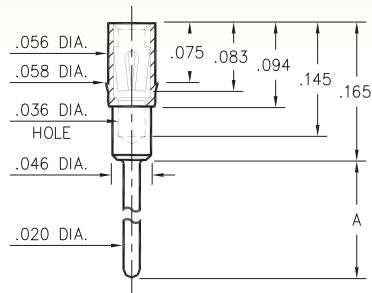
# PIN RECEPTACLES

FOR .015" - .025" DIAMETER PINS

## 1802/3802/4030/8866

XXXX-0-15-XX-43-XX-04-0

Press-fit in .057 mounting hole

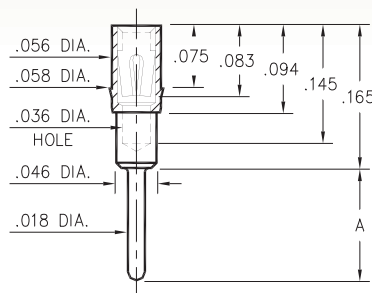


Basic Part Number	Length A
1802-0	.125
3802-0	.165
8866-0	.775
4030-0	.815

## 1803/1805/1808/3805

XXXX-0-15-XX-XX-XX-04-0

Press-fit in .057 mounting hole

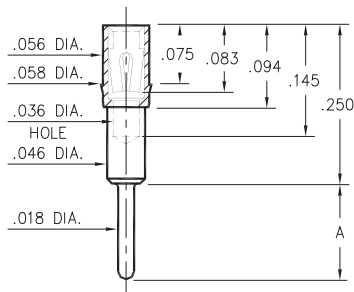


Basic Part Number	Length A
1808-0	.100
1803-0	.145
1805-0	.213
3805-0	.393

## 1804/1806

180X-0-15-XX-43-XX-04-0

Press-fit in .057 mounting hole

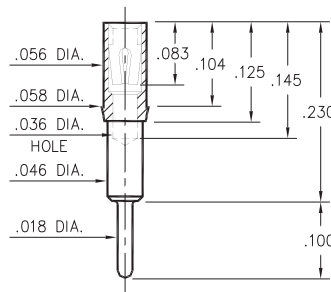


Basic Part Number	Length A
1804-0	.080
1806-0	.115

## 1807

1807-0-15-XX-43-XX-04-0

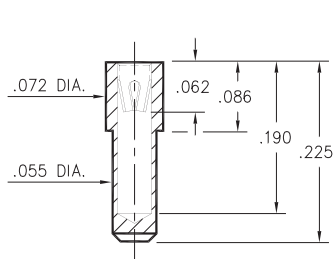
Press-fit in .057 mounting hole



## 8830

8830-15-XX-22-XX-10-0

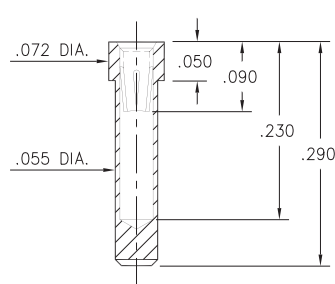
Solder mount in .057 min. mounting hole



## 8363

8363-0-15-XX-35-XX-10-0

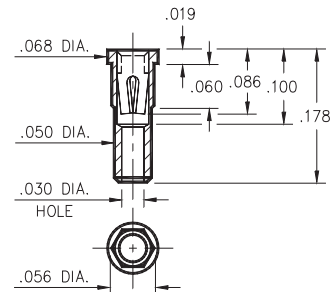
Solder mount in .057 min. mounting hole



## 4622

4622-0-15-XX-30-XX-10-0

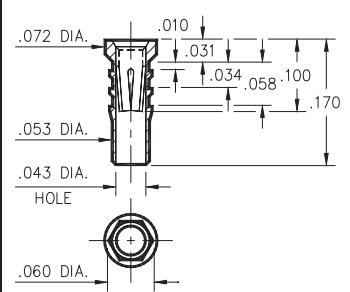
Hex press-fit in .053 plated through-hole



## 6252

6252-0-15-XX-32-XX-10-0

Hex press-fit in .057 plated through-hole



### SPECIFICATIONS:

Shell Material: Brass Alloy 360, 1/2 Hard

Contact Material: Beryllium Copper Alloy 172, HT

Dimensions: Inches

Tolerances On: Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



ORDER CODE: XXXX - X - 15 - XX - XX - XX - XX - 0

BASIC PART #

SPECIFY SHELL FINISH:

01 200 μ" TIN/LEAD OVER NICKEL

◆ 80 200 μ" TIN OVER NICKEL (RoHS)

◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:

02 100 μ" TIN/LEAD OVER NICKEL

◆ 84 100 μ" TIN OVER NICKEL (RoHS)

◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:

#22, #30, #32 or #43 CONTACT (DATA ON PAGES 252, 253 & 254)

(For alternate contact choices, see groups B and C on page 248)



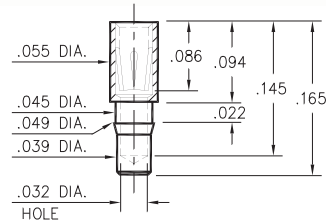
# PIN RECEPTACLES

FOR .015" - .025" DIAMETER PINS

## 0385

0385-0-15-XX-43-XX-10-0

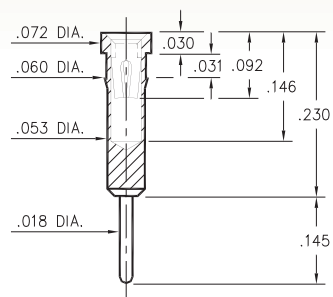
Press-fit in .046 mounting hole



## 4001

4001-0-15-XX-43-XX-04-0

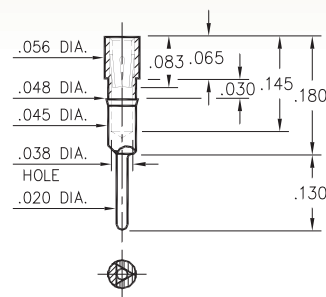
Press-fit in .057 mounting hole



## 1782

1782-0-15-XX-43-XX-04-0

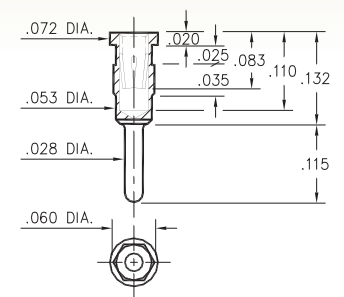
Press-fit in .045 mounting hole



## 5960

5960-0-15-XX-43-XX-04-0

Hex press-fit in .057 plated through-hole

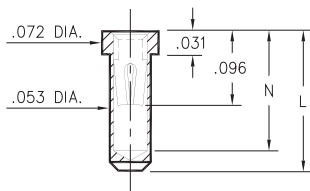


## 1401/3185

XXXX-0-15-XX-30-XX-10-0

Solder mount in .055 min. mounting hole  
Also available on 16mm wide carrier tape:  
1,700 parts per 13" reel

Order as: XXXX-0-57-XX-30-XX-10-0

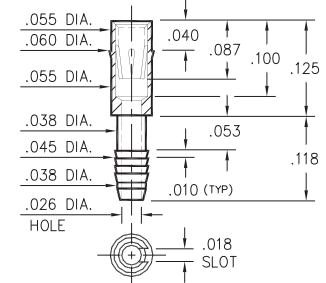


Basic Part Number	Length L	Depth N
1401-0	.165	.145
3185-0	.130	.109

## 4310

4310-0-31-XX-43-XX-04-0

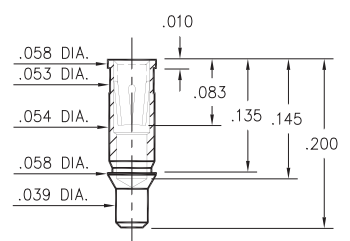
Compliant press-fit in .040 ± .003 plated through-hole. For .090" → .130" thick board



## 1385

1385-0-15-XX-43-XX-10-0

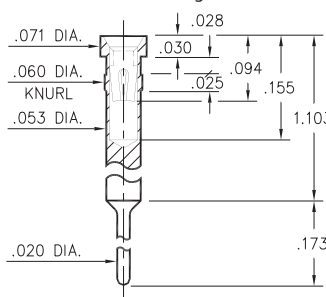
Surface mount



## 3018

3018-0-15-XX-30-XX-04-0

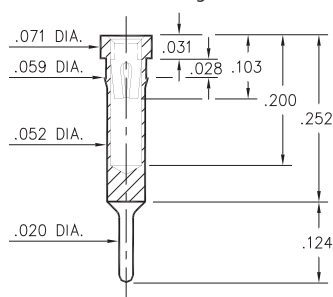
Press-fit in .057 mounting hole



## 8852

8852-0-15-XX-30-XX-04-0

Press-fit in .056 mounting hole

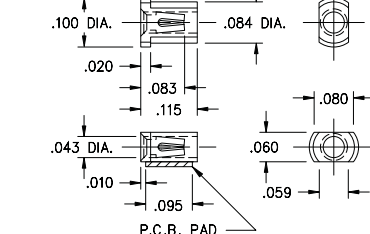


## 3907

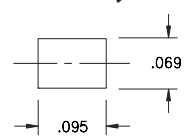
3907-0-18-XX-30-XX-10-0

Surface mount  
Also available on 12mm wide carrier tape:  
4,000 parts per 13" reel

Order as: 3907-0-58-XX-30-XX-10-0



P.C.B. Layout



### SPECIFICATIONS:

Shell Material: Brass Alloy 360, 1/2 Hard

Contact Material: Beryllium Copper Alloy 172, HT

Dimensions: Inches

Tolerances On: Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



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

BASIC PART #

SPECIFY SHELL FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:

#30, #35 or #43 CONTACT (DATA ON PAGE 253 & 254)  
(For alternate contact choices, see groups B and C on page 248)



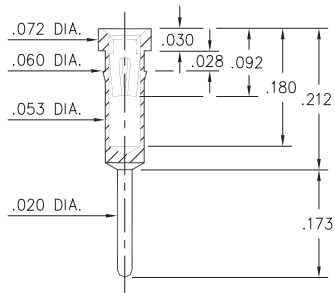
# PIN RECEPTACLES

FOR .015" - .025" DIAMETER PINS

## 8964

8964-0-15-XX-30-XX-04-0

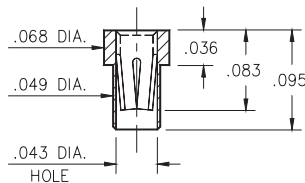
Press-fit in .057 mounting hole



## 5342

5342-0-15-XX-35-XX-10-0

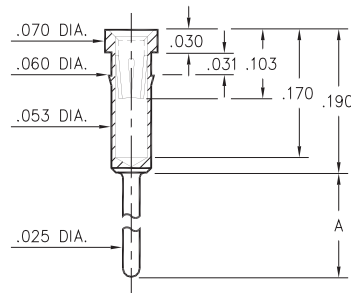
Solder mount in .051 min. mounting hole  
Also available on 8mm wide carrier tape:  
6,000 parts per 13" reel  
Order as: 5342-0-57-XX-35-XX-10-0



## 8857

8857-X-15-XX-32-XX-04-0

Press-fit in .057 mounting hole

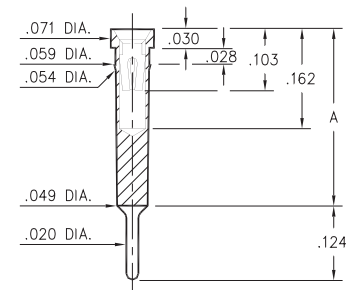


Basic Part Number	Length A
8857-0	.311
8857-1	.448
8857-2	.589
8857-3	.731
8857-4	.871

## 8862/8877

88XX-0-15-XX-30-XX-04-0

Press-fit in .056 mounting hole

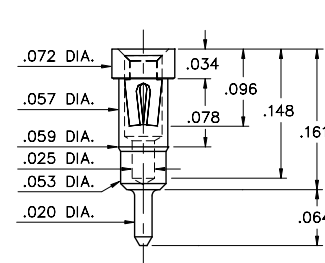


Basic Part Number	Length A
8862-0	.300
8877-0	.350

## 1334

1334-0-15-XX-30-XX-04-0

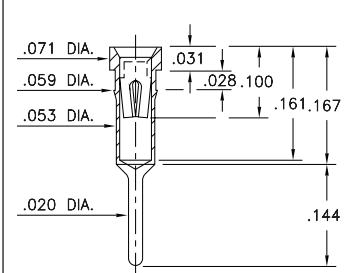
Press-fit in .057 mounting hole



## 8855

8855-0-15-XX-30-XX-34-0

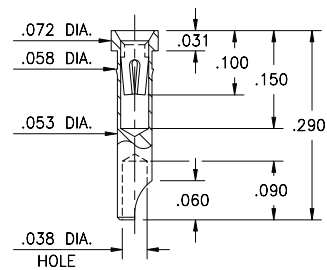
Press-fit in .057 mounting hole



## 2954

2954-0-18-XX-30-XX-10-0

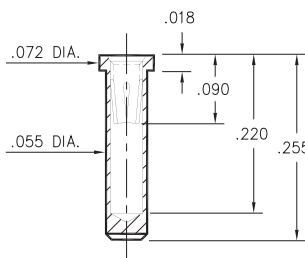
Press-fit in .057 mounting hole  
Accepts wire sizes up to .028" dia.



## 9363

9363-0-15-XX-35-XX-10-0

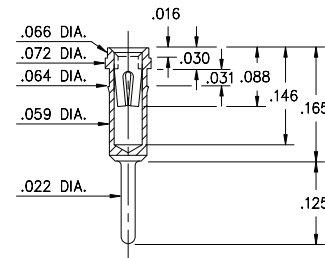
Solder mount in .057 min. mounting hole



## 1023

1023-0-15-XX-30-XX-04-0

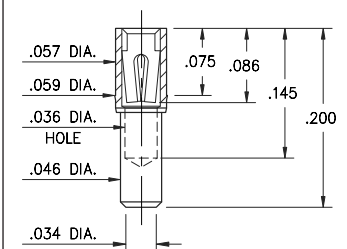
Press-fit in .061 mounting hole



## 1701

1701-0-15-XX-30-XX-10-0

Press-fit in .057 mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE:** XXXX - X - 1X - XX - XX - XX - 10 - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

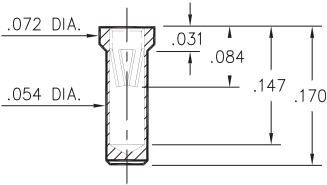
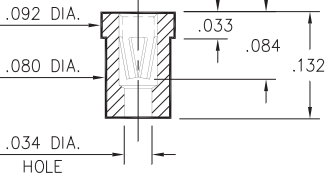
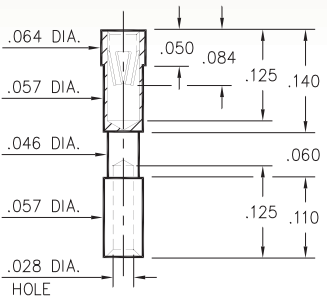
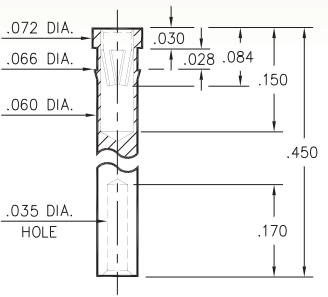
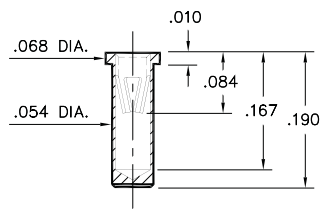
**SELECT CONTACT:**

#30, #32 or #35 CONTACT (DATA ON PAGE 253 & 254)  
(For alternate contact choices, see groups B and C on page 248)



# PIN RECEPTACLES

FOR .020" - .032" DIAMETER PINS

<p><b>0338</b>  <b>0338-0-15-XX-15-XX-10-0</b>                  Solder mount in .057 min. mounting hole                  Also available on 12mm wide carrier tape:                  1,700 parts per 13" reel                  Order as: 0338-0-57-XX-15-XX-10-0</p> 	<p><b>0378</b>  <b>0378-0-15-XX-15-XX-10-0</b>                  Solder mount in .082 min. mounting hole</p> 	<p><b>6002</b>  <b>6002-0-19-XX-15-XX-10-0</b>                  Solder mount in .059 min. mounting hole</p> 	<p><b>7009</b>  <b>7009-0-19-XX-15-XX-10-0</b>                  Press-fit in .063 mounting hole</p> 
<p><b>0339</b>  <b>0339-0-15-XX-15-XX-10-0</b>                  Solder mount in .057 min. mounting hole</p> 			

**SPECIFICATIONS:**

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ±.005  
 Diameters: ±.002  
 Angles: ± 2°



**ORDER CODE: XXXX - X - 1X - XX - 15 - XX - 10 - 0**

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#15 CONTACT (DATA ON PAGE 254)**

(For alternate contact choices, see group K on page 248)

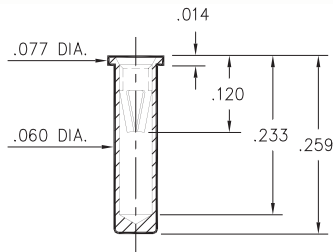


# PIN RECEPTACLES

FOR .022" - .032" DIAMETER PINS

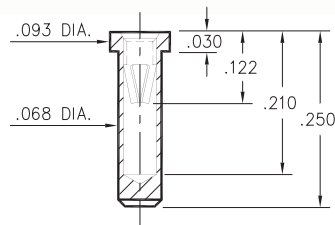
## 0295

**0295-0-15-XX-06-XX-10-0**  
Solder mount in .063 min. mounting hole  
Also available on 24mm wide carrier tape:  
1,000 parts per 13" reel  
Order as: 0295-0-57-XX-06-XX-10-0



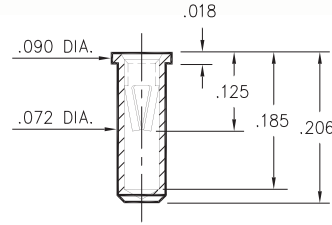
## 0292

**0292-0-15-XX-06-XX-10-0**  
Solder mount in .071 min. mounting hole



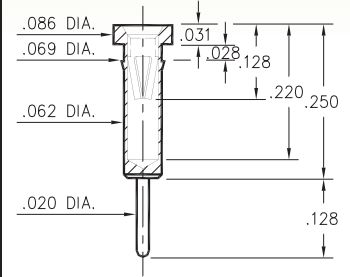
## 0294

**0294-0-15-XX-06-XX-10-0**  
Solder mount in .076 min. mounting hole



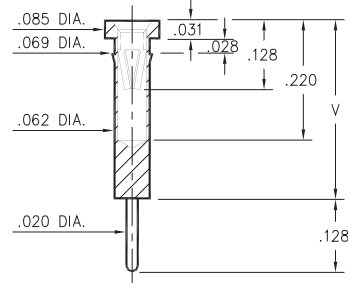
## 0398

**0398-0-15-XX-06-XX-04-0**  
Press-fit in .066 mounting hole



## 0397

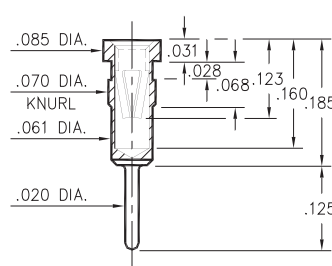
**0397-X-15-XX-06-XX-04-0**  
Press-fit in .066 mounting hole



Basic Part Number	Length V
<b>0397-0</b>	.353
<b>0397-1</b>	.333
<b>0397-2</b>	.413

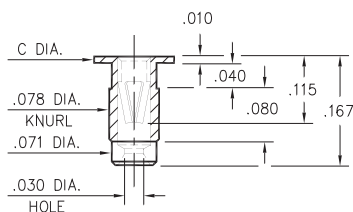
## 0297

**0297-0-15-XX-06-XX-04-0**  
Press-fit in .067 mounting hole



## 9019/9039

**90X9-0-19-XX-06-XX-10-0**  
Press-fit in .075 mounting hole



Basic Part Number	Head Dia. C
<b>9019-0</b>	.125
<b>9039-0</b>	.100

### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE:** XXXX - X - 1X - XX - 06 - XX - XX - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#06 CONTACT (DATA ON PAGE 255)**

(For alternate contact choices, see group D on page 248)



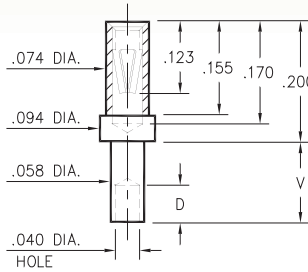
# PIN RECEPTACLES

FOR .022" - .032" DIAMETER PINS

## 0326

0326-X-19-XX-06-XX-10-0

Swage mount in .060 hole

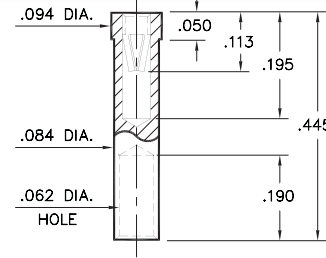


Basic Part Number	Board Thickness	Length V	Depth D
0326-1	.031	.062	.040
0326-2	.062	.094	.062
0326-3	.094	.125	.062
0326-4	.125	.156	.062

## 5295

5295-0-19-XX-06-XX-10-0

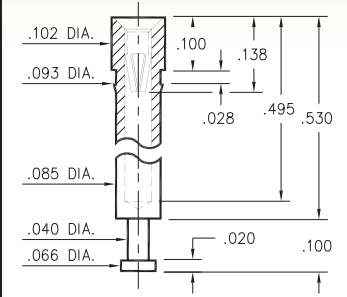
Solder mount in .086 min. mounting hole  
Wire Crimp Termination. Accepts wire sizes 18AWG Max. / 22 AWG Min.



## 0396

0396-0-15-XX-06-XX-10-0

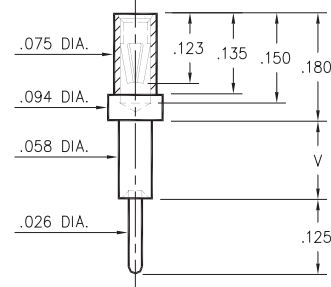
Press-fit in .090 mounting hole



## 0298

0298-X-15-XX-06-XX-10-0

Swage mount in .060 hole

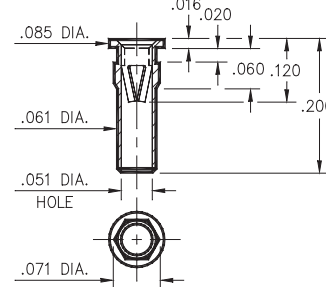


Basic Part Number	Board Thickness	Length V
0298-1	.031	.051
0298-2	.062	.082
0298-3	.094	.113
0298-4	.125	.145

## 9293

9293-0-15-XX-06-XX-04-0

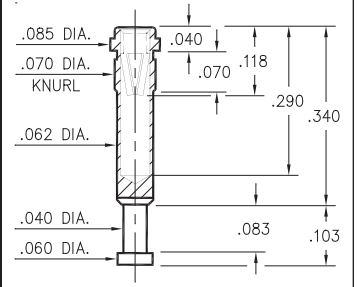
Hex press-fit in .067 plated through-hole



## 8864

8864-0-15-XX-06-XX-10-0

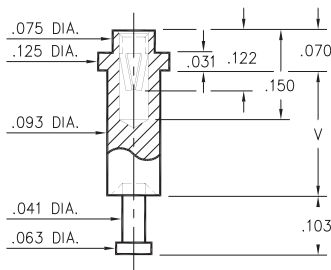
Press-fit in .067 mounting hole



## 0664

0664-X-15-XX-06-XX-10-0

Swage mount in .096 hole



Basic Part Number	Board Thickness	Length V
0664-1	.094	.125
0664-2	.125	.156
0664-3	.188	.219

### SPECIFICATIONS:

Shell Material: Brass Alloy 360, 1/2 Hard

Contact Material: Beryllium Copper Alloy 172, HT

Dimensions: Inches

Tolerances On: Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



ORDER CODE: XXXX - X - 1X - XX - 06 - XX - 10 - 0

BASIC PART #

SPECIFY SHELL FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:

#06 CONTACT (DATA ON PAGE 255)

(For alternate contact choices, see group D on page 248)



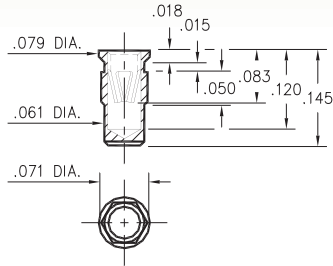
# PIN RECEPTACLES

FOR .022" - .034" DIAMETER PINS AND .025" SQUARE PINS

## 0291

0291-0-15-XX-16-XX-10-0

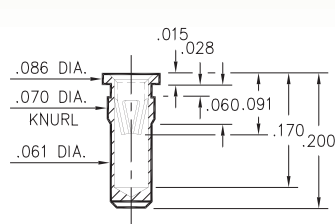
Hex press-fit in .067 plated through-hole



## 0293

0293-0-15-XX-16-XX-10-0

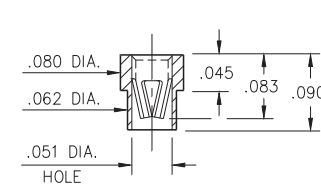
Press-fit in .067 mounting hole



## 0287

0287-0-15-XX-16-XX-10-0

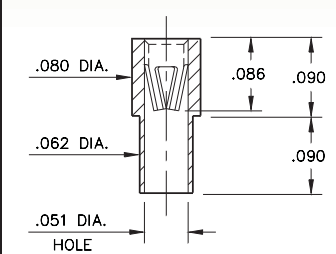
Solder mount in .065 min. mounting hole  
Also available on 8mm wide carrier tape:  
3,250 parts per 13" reel  
Order as: 0287-0-57-XX-16-XX-10-0



## 0285

0285-0-15-XX-16-XX-10-0

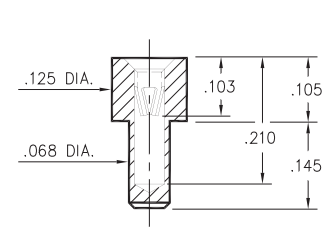
Solder mount in .065 min. mounting hole



## 0284

0284-0-15-XX-16-XX-10-0

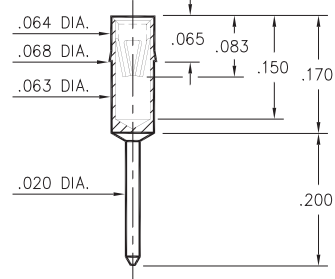
Solder mount in .070 min. mounting hole



## 8114

8114-0-15-XX-16-XX-04-0

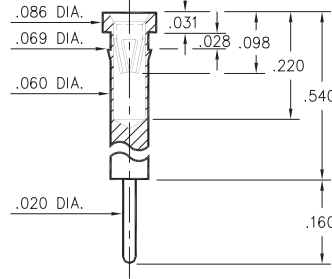
Press-fit from underside of pc board into .065 mounting hole



## 0407

0407-0-15-XX-16-XX-04-0

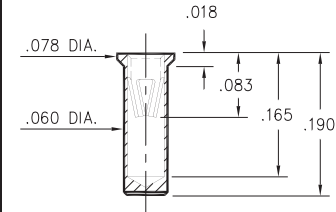
Press-fit in .066 mounting hole



## 0415

0415-0-15-XX-16-XX-10-0

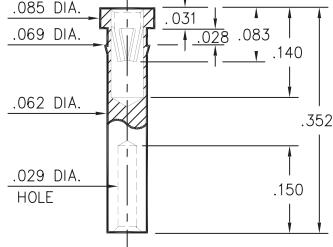
Solder mount in .063 min. mounting hole  
Also available on 24mm wide carrier tape:  
1,500 parts per 13" reel  
Order as: 0415-0-57-XX-16-XX-10-0



## 0303

0303-0-19-XX-16-XX-10-0

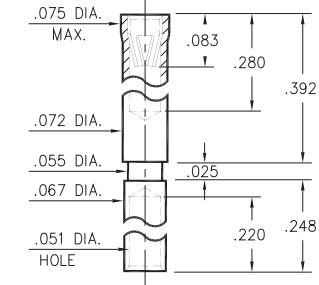
Press-fit in .067 mounting hole  
Wire Crimp Termination. Accepts wire sizes 26 AWG Max. / 30 AWG Min.



## 0306

0306-0-19-XX-16-XX-10-0

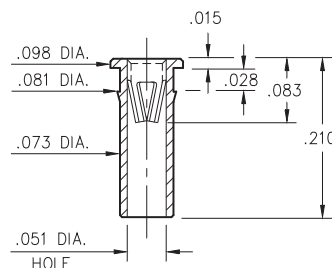
Wire Crimp Termination. Accepts wire sizes 20 AWG Max. / 24 AWG Min.



## 0273

0273-0-15-XX-16-XX-10-0

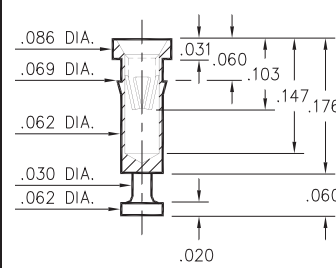
Press-fit in .078 mounting hole



## 7520

7520-0-15-XX-16-XX-10-0

Press-fit in .066 mounting hole



### SPECIFICATIONS:

Shell Material: Brass Alloy 360, 1/2 Hard

Contact Material: Beryllium Copper Alloy 172, HT

Dimensions: Inches

Tolerances On: Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



ORDER CODE: XXXX - X - 1X - XX - 16 - XX - XX - 0

BASIC PART #

SPECIFY SHELL FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:

#16 CONTACT (DATA ON PAGE 256)

(For alternate contact choices, see group D on page 248)



# PIN RECEPTACLES

FOR .022" - .034" DIAMETER PINS AND .025" SQUARE PINS

<p><b>9808</b> 9808-0-15-XX-16-XX-04-0 Press-fit in .067 mounting hole</p>	<p><b>9101</b> 9101-0-15-XX-16-XX-10-0 Press-fit in .067 mounting hole</p>	<p><b>5650</b> 5650-0-19-XX-16-XX-10-0 Press-fit in .067 mounting hole</p>	<p><b>8679</b> 8679-0-15-XX-16-XX-10-0 Solder mount in .071 min. mounting hole</p>
<p><b>8827</b> 8827-0-15-XX-16-XX-04-0 Press-fit in .061 mounting hole</p>	<p><b>6021</b> 6021-0-15-XX-16-XX-10-0 Solder mount in .062 min. mounting hole</p>	<p><b>1873</b> 1873-0-15-XX-16-XX-04-0 Press-fit in .066 mounting hole</p>	

**SPECIFICATIONS:**

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ±.005  
 Diameters: ±.002  
 Angles: ± 2°



**ORDER CODE: XXXX - X - 1X - XX - 16 - XX - 10 - 0**

**BASIC PART #**

- SPECIFY SHELL FINISH:**
- 01 200 μ" TIN/LEAD OVER NICKEL
  - ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
  - ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

- SPECIFY CONTACT FINISH:**
- 01 200 μ" TIN/LEAD OVER NICKEL
  - ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
  - ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#16 CONTACT (DATA ON PAGE 256)**

(For alternate contact choices, see group D on page 248)

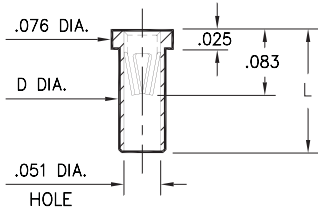


# PIN RECEPTACLES

FOR .025" - .037" DIAMETER PINS AND .025" SQUARE PINS

## 0305

**0305-X-15-XX-47-XX-10-0**  
Solder mount in .059/.061 mounting hole  
Also available on 8mm or 24mm wide carrier tape: See chart for details  
Order as: 0305-X-57-XX-47-XX-10-0



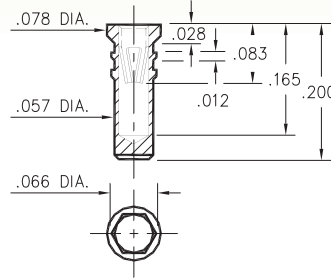
Basic Part Number	Length L	Dia. D
0305-0	.095	.056
0305-1	.105	.058
0305-2	.155	.058

### T&R Packaging

Basic Part Number	Tape Width	Parts per 13" Reel
0305-0	8mm	6,000
0305-1	8mm	6,000
0305-2	24mm	1,500

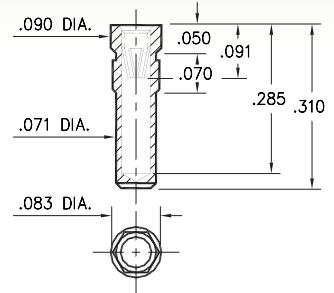
## 0279

**0279-0-15-XX-47-XX-10-0**  
Hex press-fit in .062 plated through-hole



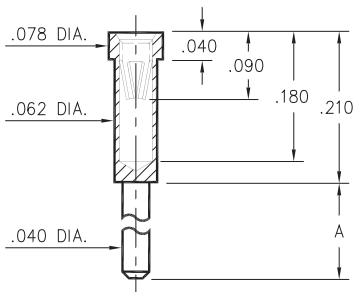
## 0330

**0330-0-15-XX-47-XX-10-0**  
Hex press-fit in .079 plated through-hole



## 0300/8300

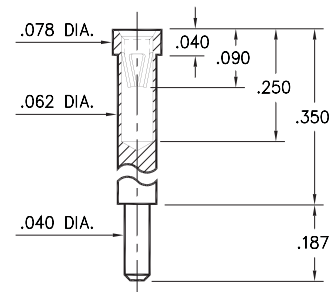
**X300-X-15-XX-47-XX-10-0**  
Solder mount in .042 min. mounting hole



Basic Part Number	Length A
0300-1	.110
0300-2	.187
8300-0	.140

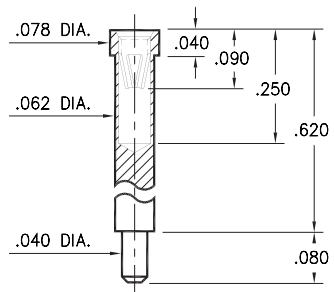
## 0301

**0301-1-15-XX-47-XX-10-0**  
Solder mount in .042 min. mounting hole



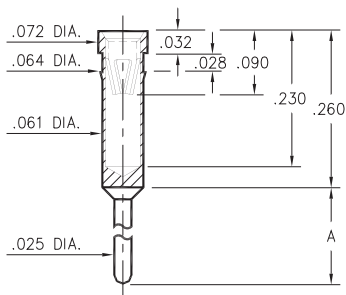
## 0309

**0309-2-15-XX-47-XX-10-0**  
Solder mount in .042 min. mounting hole



## 0399

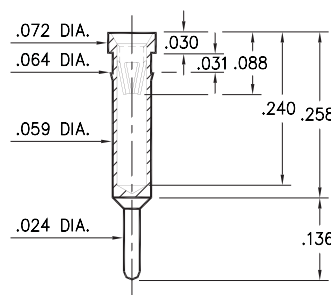
**0399-X-15-XX-47-XX-04-0**  
Press-fit in .062 mounting hole



Basic Part Number	Length A
0399-0	.230
0399-1	.180

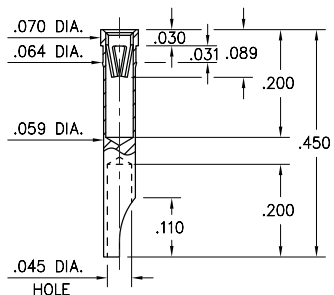
## 1304

**1304-0-15-XX-47-XX-04-0**  
Press-fit in .061 mounting hole



## 1134

**1134-0-18-15-47-27-10-0**  
Press-fit in .061 mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ±.005  
Diameters: ±.002  
Angles: ± 2°



ORDER CODE: **XXXX - X - 15 - XX - 47 - XX - XX - 0**

BASIC PART #

SPECIFY SHELL FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:

#47 CONTACT (DATA ON PAGE 256)

(For alternate contact choices, see group D on page 248)



# COMPLIANT TAIL PINS & RECEPTACLES

## DESIGNED FOR A SECURE PRESS-FIT IN STANDARD PLATED THROUGH-HOLES

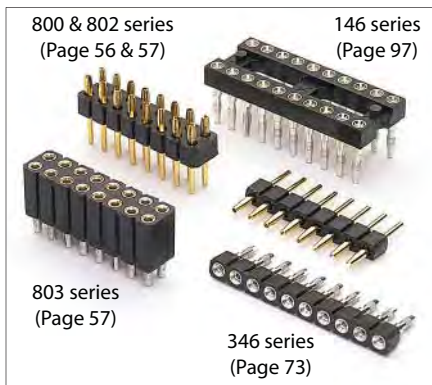
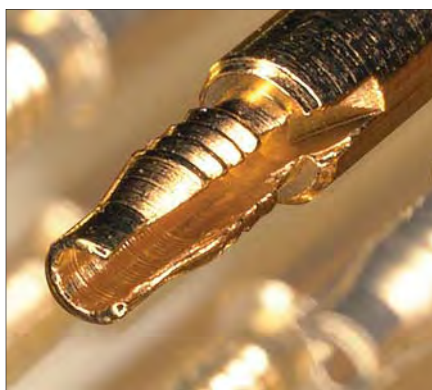
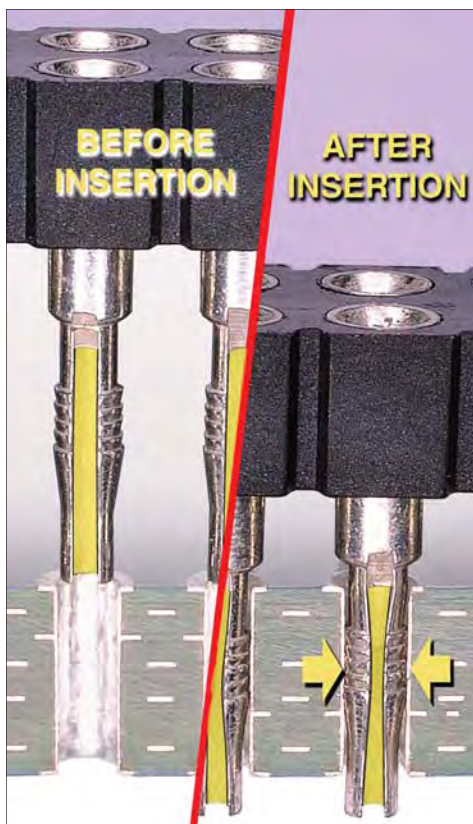
The unique compliant pin design is characterized by a hollow and slotted tail that closes down and conforms to the size of the plated through-hole, thus preventing damage. In addition, the combination of slotted tail and a series of fine serrations make a reliable gas-tight connection with the plating inside the hole.

Mill-Max offers sockets, headers and discrete pins and receptacles with compliant tail or barrel features to address a broad range of applications where press-fitting is the desired solution over soldering. Mill-Max compliant tail sockets are available in dual-in-line packages (Series 146) and single and double row strips (Series 346 and 446, respectively).

For higher current and more rugged applications, Mill-Max has single row (Series 800) and double row (Series 802) interconnects and mating sockets, single row (Series 801) and double row (Series 803). Multi-layer boards can be stacked by mating these pin headers with sockets containing highly reliable six-finger inner contacts that accept .030" diameter round pins as well as .025" square pins.

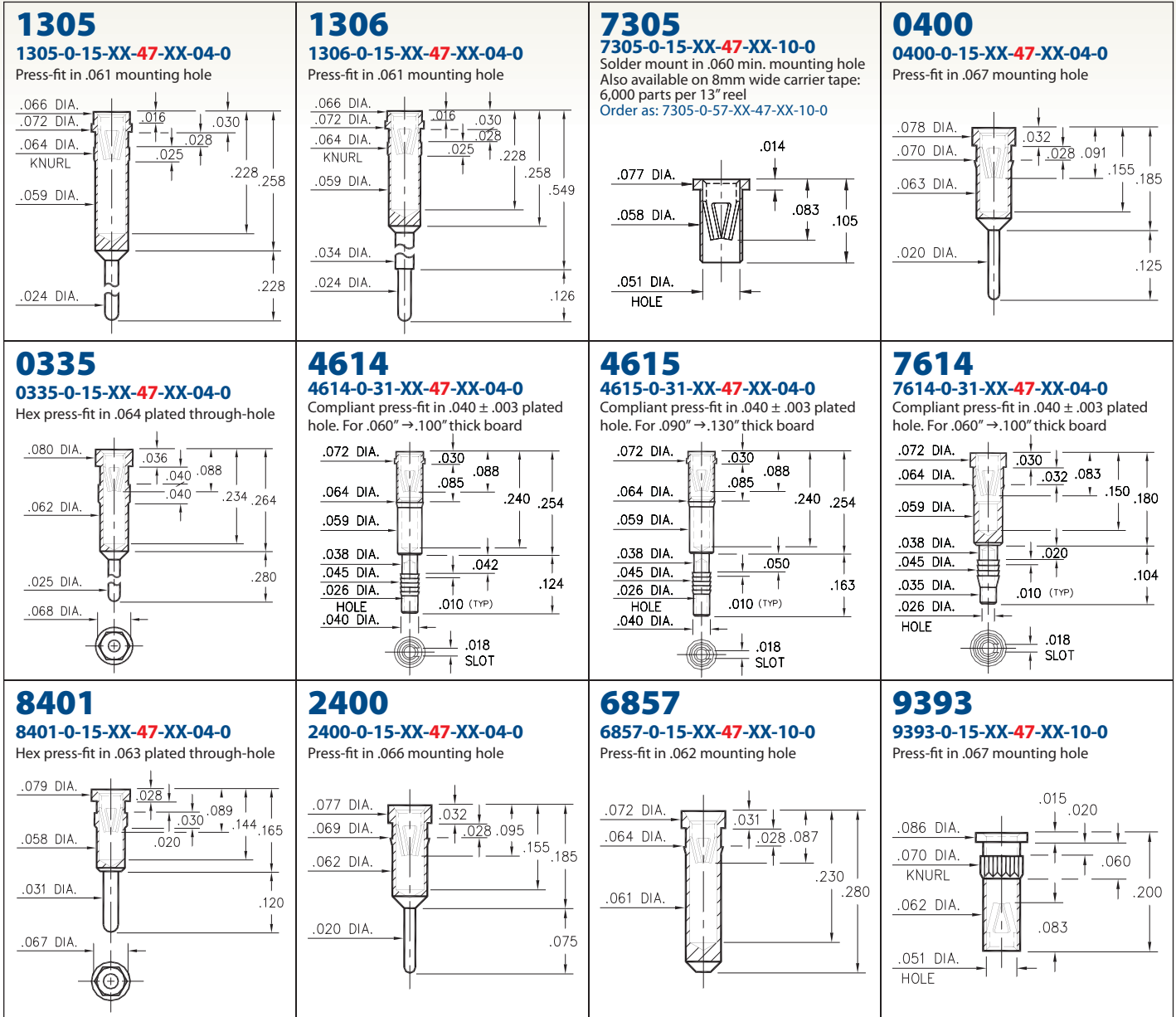
Both compliant tail sockets and interconnects are available in two tail lengths, one for .060"-.100" thick panels and another for .090"-.130" thick panels.

Discrete pins (P/N's 5601, 5602 & 2617) and receptacles (P/N's 4993 & 4994) are useful for single location requirements or for non-standard layouts. The receptacles are low profile. The 4993 accepts leads from .012" - .017" and 4994 accepts leads from .015" - .020".



# PIN RECEPTACLES

FOR .025" - .037" DIAMETER PINS AND .025" SQUARE PINS



**SPECIFICATIONS:**

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Dimensions:** Inches  
**Tolerances On:** Lengths: ± .005  
 Diameters: ± .002  
 Angles: ± 2°



**ORDER CODE:** XXXX - X - XX - XX - 47 - XX - XX - 0

**BASIC PART #**

- SPECIFY SHELL FINISH:**
- 01 200 μ" TIN/LEAD OVER NICKEL
  - ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
  - ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

- SPECIFY CONTACT FINISH:**
- 01 200 μ" TIN/LEAD OVER NICKEL
  - ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
  - ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#47 CONTACT (DATA ON PAGE 256)**

(For alternate contact choices, see group D on page 248)



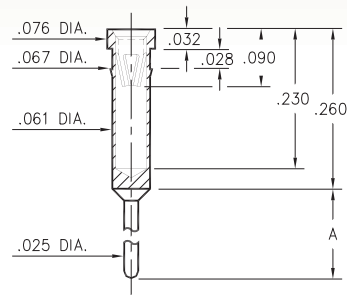
# PIN RECEPTACLES

FOR .025" - .037" DIAMETER PINS AND .025" SQUARE PINS

## 0401/6401

X401-0-15-XX-47-XX-04-0

Press-fit in .064 mounting hole

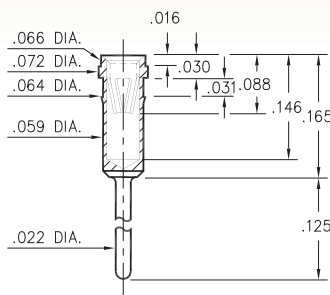


Basic Part Number	Length A
0401-0	.340
6401-0	.540

## 1303

1303-0-15-XX-47-XX-04-0

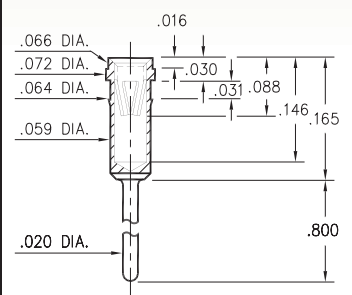
Press-fit in .061 mounting hole



## 8303

8303-0-15-XX-47-XX-04-0

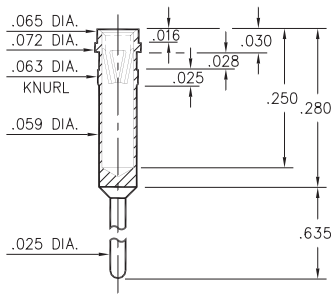
Press-fit in .061 mounting hole



## 4095

4095-0-15-XX-47-XX-04-0

Press-fit in .061 mounting hole



## 8806

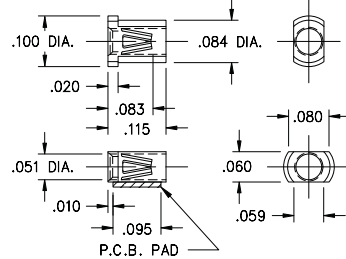
8806-0-18-XX-47-XX-40-0

Surface mount

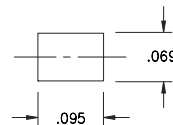
Also available on 12mm wide carrier tape:

4,000 parts per 13" reel

Order as: 8806-0-58-XX-47-XX-10-0



P.C.B. Layout



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE:** XXXX - X - 1X - XX - 47 - XX - XX - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

#47 CONTACT (DATA ON PAGE 256)

(For alternate contact choices, see group D on page 248)



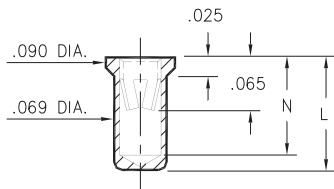
# PIN RECEPTACLES

FOR .037" - .043" DIAMETER PINS

## 0331/9353

X3XX-0-15-XX-18-XX-10-0

Solder mount in .071 min. mounting hole  
Also available on 24mm wide carrier tape:  
1,000 parts per 13" reel  
Order as: X3XX-0-57-XX-18-XX-10-0

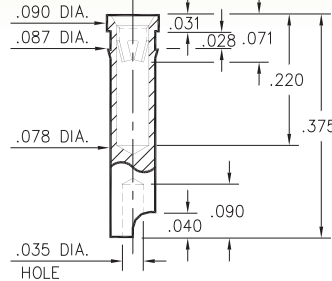


Basic Part Number	Length L	Depth N
0331-0	.150	.127
9353-0	.170	.147

## 7405

7405-0-18-XX-18-XX-10-0

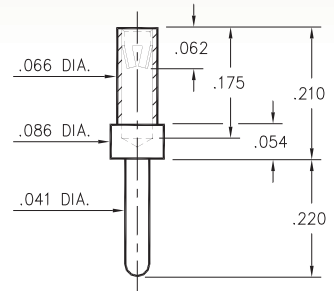
Press-fit in .084 mounting hole  
Accepts wire sizes up to .025" dia.



## 3450

3450-0-15-XX-18-XX-04-0

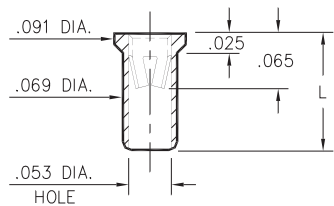
Solder mount in .043 min. mounting hole



## 9354/7406

XXXX-0-15-XX-18-XX-10-0

Solder mount in .071 min. mounting hole

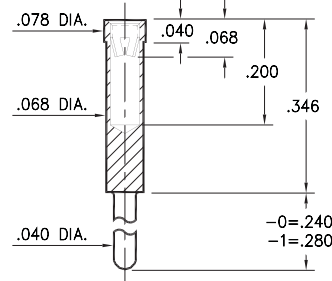


Basic Part Number	Length L
7406-0	.120
9354-0	.170

## 0319

0319-X-15-XX-18-XX-04-0

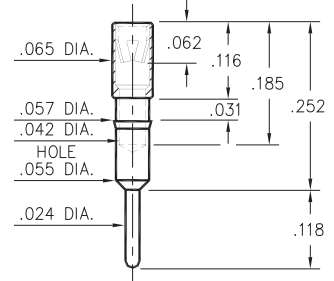
Solder mount in .042 min. mounting hole



## 1313

1313-0-15-XX-18-XX-04-0

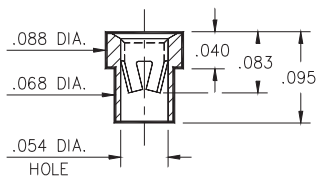
Press-fit in .056 mounting hole



## 3520

3520-0-15-XX-18-XX-10-0

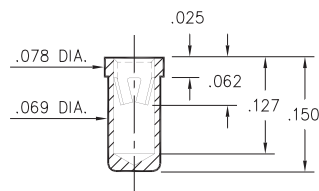
Solder mount in .070 min. mounting hole



## 8331

8331-0-15-XX-18-XX-10-0

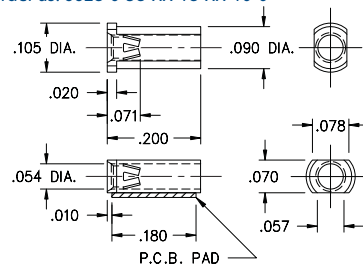
Solder mount in .071 min. mounting hole



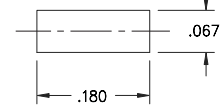
## 6628

6628-0-18-XX-18-XX-10-0

Surface mount  
Also available on 12mm wide carrier tape:  
3,700 parts per 13" reel  
Order as: 6628-0-58-XX-18-XX-10-0



P.C.B. Layout



### SPECIFICATIONS:

Shell Material: Brass Alloy 360, 1/2 Hard

Contact Material: Beryllium Copper Alloy 172, HT

Dimensions: Inches

Tolerances On: Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



ORDER CODE: XXXX - X - 1X - XX - 18 - XX - XX - 0

BASIC PART #

SPECIFY SHELL FINISH:

01 200 μ" TIN/LEAD OVER NICKEL

◆ 80 200 μ" TIN OVER NICKEL (RoHS)

◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:

01 200 μ" TIN/LEAD OVER NICKEL

◆ 80 200 μ" TIN OVER NICKEL (RoHS)

◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:

#18 CONTACT (DATA ON PAGE 257)

(For alternate contact choices, see group L on page 248)



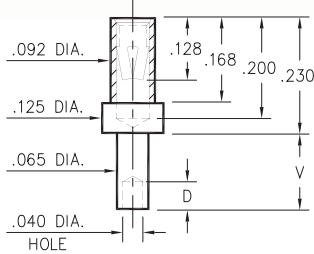
# PIN RECEPTACLES

FOR .032" - .046" DIAMETER PINS

## 0344

0344-X-19-XX-34-XX-10-0

Swage mount in .067 hole

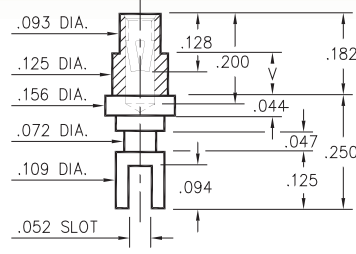


Basic Part Number	Board Thickness	Length V	Depth D
0344-1	.031	.062	.040
0344-2	.062	.094	.062
0344-3	.094	.125	.062
0344-4	.125	.156	.062

## 0349

0349-X-31-XX-34-XX-10-0

Swage mount in .129 hole

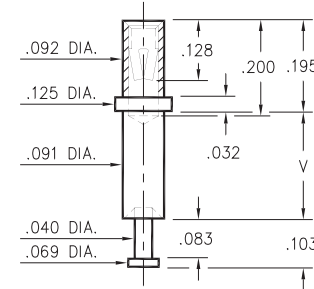


Basic Part Number	Board Thickness	Length V
0349-2	.062	.094
0349-3	.094	.125
0349-4	.125	.156

## 0323

0323-X-15-XX-34-XX-10-0

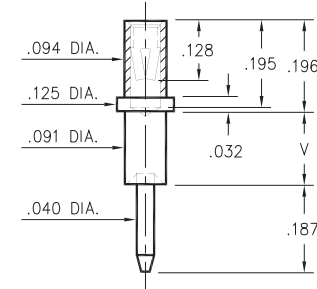
Swage mount in .094 hole



## 0324

0324-X-15-XX-34-XX-10-0

Swage mount in .094 hole

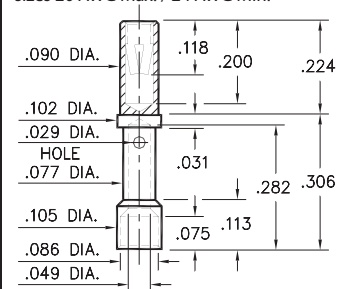


Basic Part Number	Board Thickness	Length V
032X-1	.031	.062
032X-2	.062	.094
032X-3	.094	.125
032X-4	.125	.156
032X-5	.188	.219

## 0348

0348-0-33-XX-34-XX-10-0

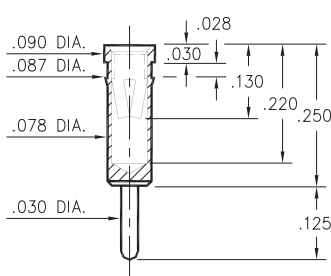
Wire crimp termination. Accepts wire sizes 20 AWG Max. / 24 AWG Min.



## 0405

0405-0-15-XX-34-XX-04-0

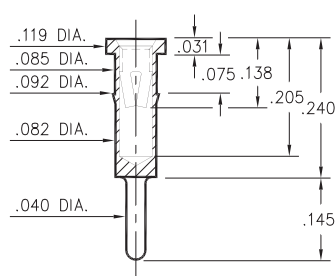
Press-fit in .084 mounting hole



## 0336

0336-0-15-XX-34-XX-04-0

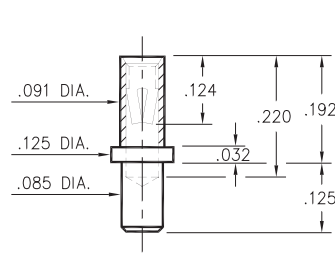
Press-fit in .089 mounting hole



## 0322

0322-0-15-XX-34-XX-10-0

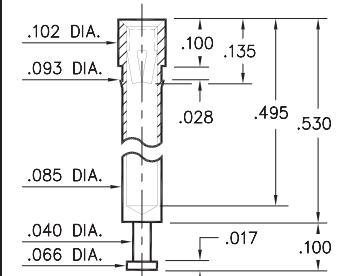
Solder mount in .089 min. mounting hole



## 0325

0325-0-15-XX-34-XX-10-0

Press-fit in .090 mounting hole



### SPECIFICATIONS:

Shell Material: Brass Alloy 360, 1/2 Hard

Contact Material: Beryllium Copper Alloy 172, HT

Dimensions: Inches

Tolerances On: Lengths: ±.005

Diameters: ±.002

Angles: ±2°



ORDER CODE: XXXX - X - XX - XX - 34 - XX - XX - 0

BASIC PART #

SPECIFY SHELL FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

SPECIFY CONTACT FINISH:

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

SELECT CONTACT:

#34 CONTACT (DATA ON PAGE 258)

(For alternate contact choices, see group E on page 248)

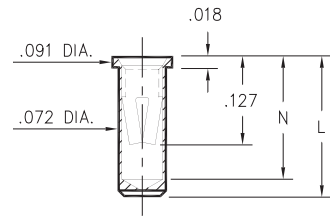


# PIN RECEPTACLES

FOR .032" - .046" DIAMETER PINS

## 0327/0351/0373

**03XX-0-15-XX-34-XX-10-0**  
Solder mount in .075 min. mounting hole  
Also available on 12mm or 24mm wide carrier tape: See chart for details  
Order as: 03XX-0-57-XX-34-XX-10-0



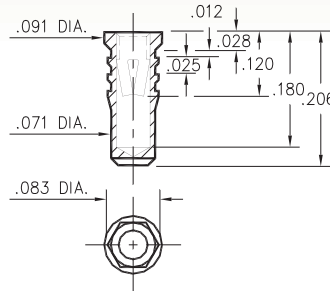
Basic Part Number	Length L	Depth N
0327-0	.206	.180
0351-0	.226	.200
0373-0	.270	.241

### T&R Packaging

Basic Part Number	Tape Width	Parts per 13" Reel
0327-0	12mm	1,400
0351-0	24mm	1,100

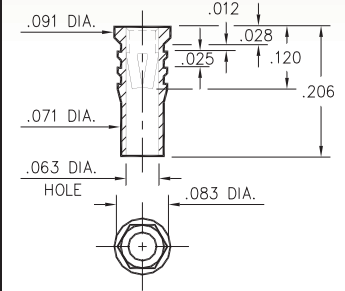
## 0328

**0328-0-15-XX-34-XX-10-0**  
Hex press-fit in .079 plated through-hole



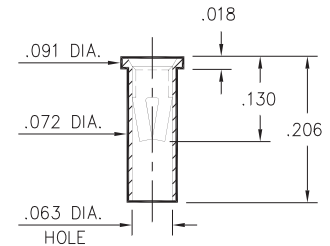
## 0334

**0334-0-15-XX-34-XX-10-0**  
Hex press-fit in .079 plated through-hole



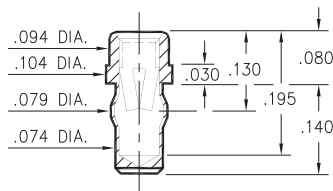
## 0312

**0312-0-15-XX-34-XX-10-0**  
Solder mount in .075 min. mounting hole  
Also available on 12mm wide carrier tape: 1,400 parts per 13" reel  
Order as: 0312-0-57-XX-34-XX-10-0



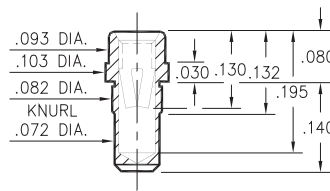
## 0333

**0333-0-42-XX-34-XX-10-0**  
Press-fit in .076 mounting hole



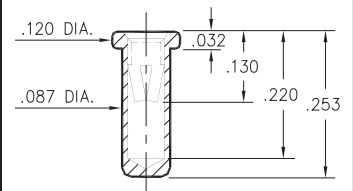
## 0357

**0357-0-15-XX-34-XX-10-0**  
Press-fit in .078 mounting hole



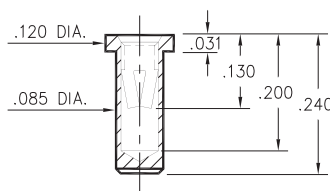
## 0317

**0317-0-15-XX-34-XX-04-0**  
Solder mount in .091 min. mounting hole



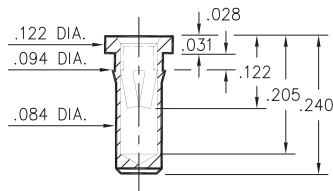
## 0340

**0340-0-15-XX-34-XX-10-0**  
Solder mount in .087 min. mounting hole



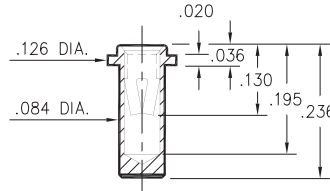
## 0345

**0345-0-15-XX-34-XX-10-0**  
Press-fit in .089 mounting hole



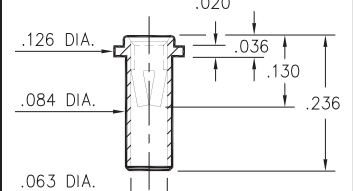
## 0316

**0316-0-15-XX-34-XX-10-0**  
Solder mount in .087 min. mounting hole



## 0314

**0314-0-15-XX-34-XX-10-0**  
Solder mount in .087 min. mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Dimensions:** Inches  
**Tolerances On:** Lengths: ±.005  
Diameters: ±.002  
Angles: ± 2°



**ORDER CODE:** XXXX - X - XX - XX - 34 - XX - 10 - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#34 CONTACT (DATA ON PAGE 258)**

(For alternate contact choices, see group E on page 248)



# PIN RECEPTACLES

FOR .032" - .046" DIAMETER PINS

<p><b>0359</b> 0359-0-15-XX-34-XX-10-0 Press-fit in .090 mounting hole</p>	<p><b>0358</b> 0358-0-15-XX-34-XX-10-0 Press-fit in .090 mounting hole</p>	<p><b>0360</b> 0360-0-15-XX-34-XX-10-0 Press-fit in .090 mounting hole</p>	<p><b>0343</b> 0343-0-15-XX-34-XX-10-0 Press-fit in .090 mounting hole</p>
<p><b>0356</b> 0356-0-15-XX-34-XX-10-0 Solder mount in .102 min. mounting hole Also available on 24mm wide carrier tape: 1,100 parts per 13" reel Order as: 0356-0-57-XX-34-XX-10-0</p>	<p><b>6659</b> 6659-0-15-XX-34-XX-10-0 Solder mount in .102 min. mounting hole</p>	<p><b>0347</b> 0347-0-15-XX-34-XX-10-0 Solder mount in .120 min. mounting hole</p>	<p><b>0329</b> 0329-0-15-XX-34-XX-10-0 Solder mount in .075 min. mounting hole. "Knock out" bottom</p>
<p><b>0814</b> 0814-0-15-XX-34-XX-04-0 Solder mount in .082 min. mounting hole</p>	<p><b>5059</b> 5059-0-15-XX-34-XX-04-0 Press-fit in .090 mounting hole</p>	<p><b>8360</b> 8360-0-15-XX-34-XX-10-0 Press-fit in .087 mounting hole</p>	<p><b>9359</b> 9359-0-15-XX-34-XX-10-0 Press-fit in .090 mounting hole</p>

## SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE:** XXXX - X - 15 - XX - 34 - XX - XX - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#34 CONTACT (DATA ON PAGE 258)**

(For alternate contact choices, see group E on page 248)



# PIN RECEPTACLES

FOR .032" - .046" DIAMETER PINS

<p><b>8838</b> 8838-0-15-XX-34-XX-10-0 Solder mount in .086 min. mounting hole</p>	<p><b>3100</b> 3100-0-15-XX-34-XX-10-0 Solder mount in .074 min. mounting hole</p>	<p><b>8853</b> 8853-0-15-XX-34-XX-10-0 Press-fit in .071 mounting hole</p>	<p><b>6800</b> 6800-0-15-XX-34-XX-04-0 Solder mount in .080 min. mounting hole</p>
<p><b>0739</b> 0739-0-15-XX-34-XX-10-0 Hex press-fit in .078 plated through-hole</p>	<p><b>8206</b> 8206-0-15-XX-34-XX-40-0 Surface mount, board edge</p>	<p><b>P.C.B. Layout</b></p>	

**SPECIFICATIONS:**

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ±.005  
 Diameters: ±.002  
 Angles: ± 2°



**ORDER CODE:** XXXX - X - 15 - XX - 34 - XX - XX - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#34 CONTACT (DATA ON PAGE 258)**

(For alternate contact choices, see group E on page 248)



# LOOSE PINS & RECEPTACLES ON T&R

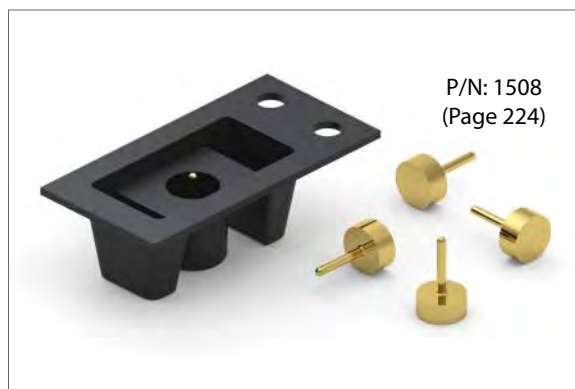
## LOOSE PINS & RECEPTACLES FOR AUTOMATED 'PICK & PLACE' ASSEMBLY

**Mill-Max offers receptacles (discrete sockets) on carrier tape per EIA-481 to feed automated 'pick & place' assembly equipment. Our standard reel size is 13".**

Two types of pins and receptacles are available on carrier tape: surface mount, flat types, which sit on the surface of the PCB where the pin or component lead plugs-in parallel to the PCB; and through-hole types where the lead plugs-in perpendicular to the PCB. Through-hole pins and receptacles are intrusive reflow soldered\*.

In addition, open bottom through-hole receptacles are available loaded with our Organic Fibre Plug® barrier which prevents solder paste or flux from contaminating the spring contact. After soldering, the OFP® barrier is pushed out of the receptacle when the device is plugged in.

\*Intrusive reflow (also called "pin-in-paste") is a technique of using conventional through-hole components in a reflow soldering process. The receptacles are placed into plated-through-holes in the circuit board (solder paste has previously been screen printed on pads adjacent to the holes) and the board is reflowed in the same pass as other SMT components. Solder will fill the plated-through-holes and achieve solder joints as reliable as wave soldering. The OFP® barrier prevents solder paste from being picked up inside the contact during pick 'n place assembly. "Overprinting" paste on the solder mask can be used to adjust the volume of paste required to fill each hole.



# PIN RECEPTACLES

FOR .040" - .050" DIAMETER PINS

<p><b>0355</b> 0355-0-15-XX-02-XX-10-0 Solder mount in .102 min. mounting hole</p>	<p><b>0354</b> 0354-0-15-XX-02-XX-10-0 Pentagonal press-fit in .104 min. plated through-hole</p>	<p><b>3490</b> 3490-0-15-XX-02-XX-10-0 Press-fit in .091 mounting hole</p>	<p><b>3808</b> 3808-0-15-XX-02-XX-10-0 Press-fit in .090 mounting hole</p>
<p><b>9184</b> 9184-0-15-XX-02-XX-40-0 Bottom entry, surface mount .092 min. plated through-hole Also available on carrier tape, Order as: 9184-0-57-XX-02-XX-40-0</p>	<p><b>9222</b> 9222-2-15-XX-02-XX-40-0 Bottom entry, surface mount .082 min. plated through-hole Also available on carrier tape, Order as: 9222-2-57-XX-02-XX-40-0</p>	<p><b>Carrier tape format for 9184 and 9222.</b> 1,500 pieces per 13" reel</p>	

**SPECIFICATIONS:**

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Dimensions: Inches**  
**Tolerances On:** Lengths: ±.005  
 Diameters: ±.002  
 Angles: ± 2°



**ORDER CODE:** XXXX - X - 15 - XX - 02 - XX - XX - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#02 CONTACT (DATA ON PAGE 259)**

(For alternate contact choices, see group F on page 248)



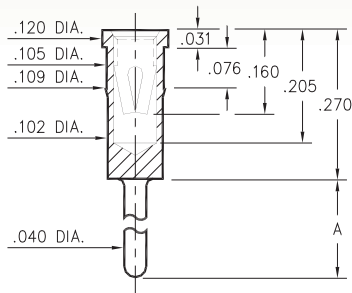
# PIN RECEPTACLES

**FOR .040" - .060" DIAMETER PINS (#03 CONTACT)  
FOR .059" - .063" DIAMETER PINS (#42 CONTACT)**

## 0433/8433

**X433-0-15-XX-03-XX-04-0**

Press-fit in .106 mounting hole

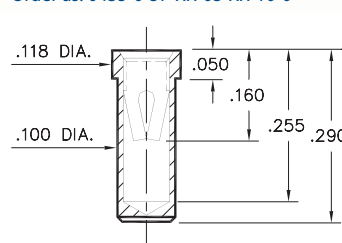


Basic Part Number	Length A
<b>0433-0</b>	.120
<b>8433-0</b>	.330

## 0435/0436

**043X-0-15-XX-03-XX-10-0**

Solder mount in .102 min. mounting hole  
Also available on 24mm wide carrier tape:  
950 parts per 13" reel  
Order as: 0435-0-57-XX-03-XX-10-0

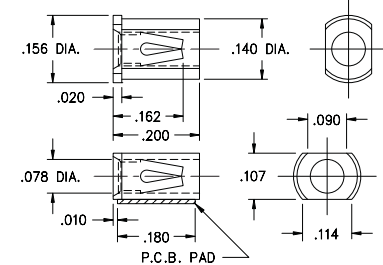


Basic Part Number	Dia. C	Length K
<b>0435-0</b>	.118	.050
<b>0436-0</b>	.125	.070

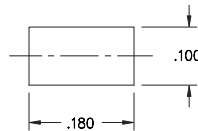
## 4064

**4064-0-18-XX-03-XX-40-0**

Surface mount  
Also available on 16mm wide carrier tape:  
2,400 parts per 13" reel  
Order as: 4064-0-58-XX-03-XX-40-0



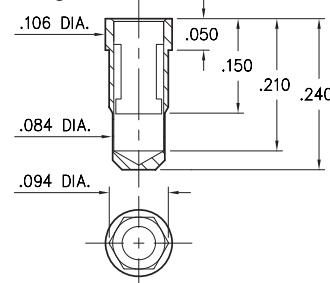
P.C.B. Layout



## 0342

**0342-0-15-XX-42-XX-10-0**

Hex press-fit in .090±.002 plated through-hole

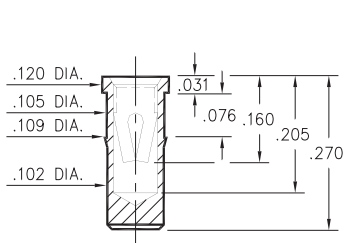


- 0342 receptacle uses Mill-Max's new #42 Contact. This receptacle will accept the  $\varnothing.061 \pm .002$  power pins of ¼ brick DC/DC converters.
- #42 contact can be ordered in standard receptacles that use #03 contact; or it can be specified as the spring element inside custom made receptacles.

## 0434

**0434-0-15-XX-03-XX-10-0**

Press-fit in .106 mounting hole



### Mechanical Data #42 Contact:

Insertion/Extraction Force with a  $\varnothing.061$  (nominal) pin:

First Cycle		2nd & Subsequent Cycles	
Insertion Force	Extraction Force	Insertion Force	Extraction Force
20N	6N	10N	6N

Compliance Test (the "spring back" characteristic of the contact to accept  $\varnothing.059$  small pin after insertion of a  $\varnothing.063$  large pin):

Initial Cycle with $\varnothing.059$ pin		Second Cycle with $\varnothing.063$ pin		Third Cycle with $\varnothing.059$ pin	
Ins. Force	Ext. Force	Ins. Force	Ext. Force	Ins. Force	Ext. Force
18N	6N	22N	7N	3N	2N

(Insertion/Extraction Forces are in Newtons and measured with polished steel gage pins having elliptical shaped tips).

### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths:  $\pm .005$

Diameters:  $\pm .002$

Angles:  $\pm 2^\circ$



**ORDER CODE: XXXX - X - 1X - XX - XX - XX - XX - 0**

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200  $\mu$ " TIN/LEAD OVER NICKEL
- ◆ 80 200  $\mu$ " TIN OVER NICKEL (RoHS)
- ◆ 15 10  $\mu$ " GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200  $\mu$ " TIN/LEAD OVER NICKEL
- ◆ 80 200  $\mu$ " TIN OVER NICKEL (RoHS)
- ◆ 27 30  $\mu$ " GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#03 or #42 CONTACT (DATA ON PAGE 259)**



# PIN RECEPTACLES

**FOR .048" - .064" DIAMETER PINS (#13 CONTACT)**  
**FOR .045" - .065" DIAMETER PINS (#23 CONTACT)**

<p><b>0364</b>  <b>0364-0-15-XX-13-XX-10-0</b>                  Solder mount in .100 min. mounting hole                  Also available on 16mm wide carrier tape:                  1,300 parts per 13" reel                  Order as: 0364-0-57-XX-13-XX-10-0</p>	<p><b>0363</b>  <b>0363-0-15-XX-23-XX-10-0</b>                  Solder mount in .102 min. mounting hole</p>	<p><b>0365</b>  <b>0365-0-15-XX-23-XX-10-0</b>                  Hex press-fit in .105 plated through-hole</p>	<p><b>0366</b>  <b>0366-0-15-XX-13-XX-10-0</b>                  Press-fit in .109 mounting hole</p>
<p><b>0372</b>  <b>0372-0-15-XX-13-XX-10-0</b>                  Solder mount in .102 min. mounting hole                  Also available on 24mm wide carrier tape:                  950 parts per 13" reel                  Order as: 0372-0-57-XX-13-XX-10-0</p>	<p><b>0362</b>  <b>0362-0-15-XX-X3-XX-10-0</b>                  Solder mount in .102 min. mounting hole</p>	<p><b>0367</b>  <b>0367-0-15-XX-23-XX-10-0</b>                  Square press-fit in .040 plated through-hole</p>	<p><b>9324</b>  <b>9324-0-15-XX-23-XX-04-0</b>                  Press-fit in .106 mounting hole</p>
<p><b>0492</b>  <b>0492-0-15-XX-13-XX-04-0</b>                  Press-fit in .106 mounting hole</p>	<p><b>0381</b>  <b>0381-0-15-XX-23-XX-10-0</b>                  Press-fit in .104 mounting hole</p>	<p><b>4034</b>  <b>4034-0-15-XX-23-XX-04-0</b>                  Press-fit in .109 mounting hole</p>	<p><b>3044</b>  <b>3044-0-15-XX-23-XX-04-0</b>                  Solder mount in .104 min. mounting hole</p>

**SPECIFICATIONS:**

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Dimensions:** Inches  
**Tolerances On:** Lengths: ±.005  
 Diameters: ±.002  
 Angles: ± 2°



**ORDER CODE: XXXX - X - 15 - XX - XX - XX - XX - 0**

**BASIC PART #**

- SPECIFY SHELL FINISH:**
- 01 200 μ" TIN/LEAD OVER NICKEL
  - ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
  - ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

- SPECIFY CONTACT FINISH:**
- 01 200 μ" TIN/LEAD OVER NICKEL
  - ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
  - ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#13 or #23 CONTACT (DATA ON PAGE 260)**  
 (For alternate contact choices, see group G on page 248)



# PIN RECEPTACLES

**FOR .048" - .064" DIAMETER PINS (#13 CONTACT)  
FOR .045" - .065" DIAMETER PINS (#23 CONTACT)**

<p><b>0496</b> <b>0496-0-15-XX-23-XX-10-0</b> Press-fit in .106 mounting hole</p>	<p><b>0368</b> <b>0368-0-33-XX-13-XX-10-0</b> Wire crimp termination. Accepts wire sizes 16 AWG Max. / 20 AWG Min.</p>	<p><b>8067</b> <b>8067-0-19-XX-13-XX-10-0</b> Wire crimp termination. Accepts wire sizes 24 AWG Max. / 28 AWG Min.</p>	<p><b>1105</b> <b>1105-0-15-XX-13-XX-04-0</b> Press-fit in .080 mounting hole</p>
<p><b>8730</b> <b>8730-0-19-XX-23-XX-10-0</b> Wire crimp termination. Accepts wire sizes 22 AWG Max. / 26 AWG Min.</p>	<p><b>3667</b> <b>3667-0-19-XX-23-XX-10-0</b> Wire crimp termination. Accepts wire sizes 18 AWG Max. / 22 AWG Min.</p>	<p><b>9372</b> <b>9372-0-15-XX-23-XX-10-0</b> Solder mount in .102 min. mounting hole</p>	<p><b>4582</b> <b>4582-0-15-XX-23-XX-10-0</b> Square press-fit in .040 plated through-hole</p>
<p><b>5834</b> <b>5834-0-15-XX-23-XX-10-0</b> Press-fit in .107 mounting hole</p>	<p><b>9401</b> <b>9401-0-15-XX-23-XX-10-0</b> Solder mount in .102 min. mounting hole Also available on 24mm wide carrier tape: 1,100 parts per 13" reel Order as: 9401-0-57-XX-23-XX-10-0</p>	<p><b>9801</b> <b>9801-0-15-XX-23-XX-10-0</b> Solder mount in .102 min. mounting hole Also available on 16mm wide carrier tape: 1,200 parts per 13" reel Order as: 9801-0-57-XX-23-XX-10-0</p>	<p><b>8829</b> <b>8829-0-15-XX-23-XX-10-0</b> Solder mount in .102 min. mounting hole</p>

## SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



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

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

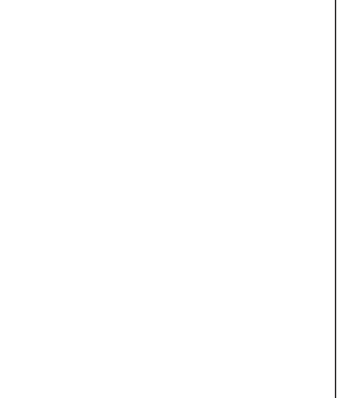
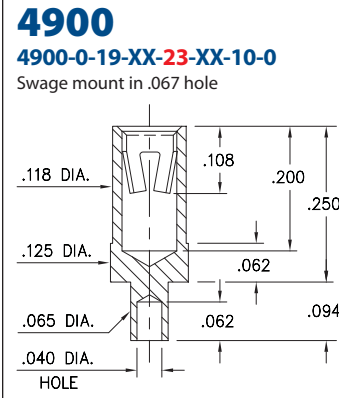
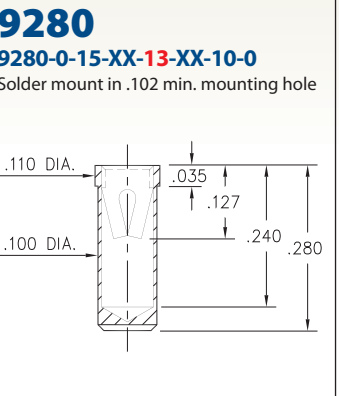
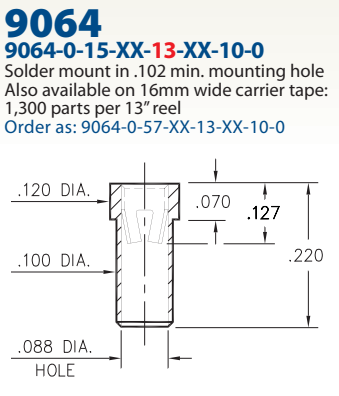
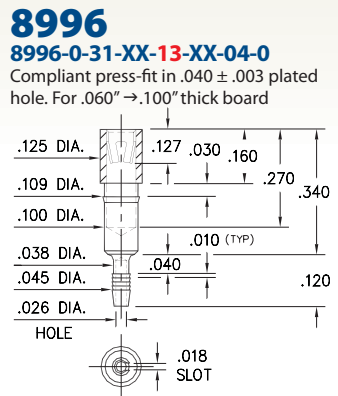
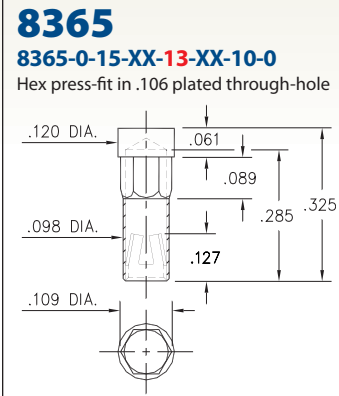
**#13 or #23 CONTACT (DATA ON PAGE 260)**

(For alternate contact choices, see group G on page 248)



# PIN RECEPTACLES

**FOR .048" - .064" DIAMETER PINS (#13 CONTACT)**  
**FOR .045" - .065" DIAMETER PINS (#23 CONTACT)**



**SPECIFICATIONS:**

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions: Inches**

**Tolerances On:** Lengths: ± .005  
 Diameters: ± .002  
 Angles: ± 2°

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

**BASIC PART #** →

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

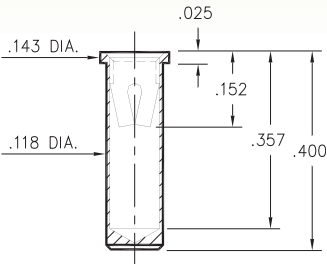
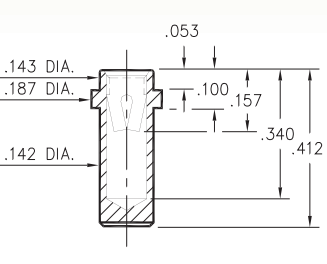
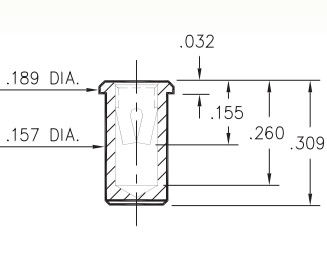
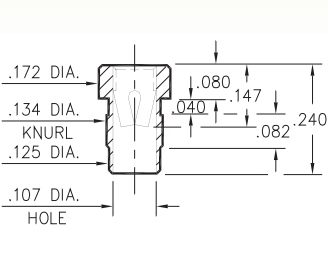
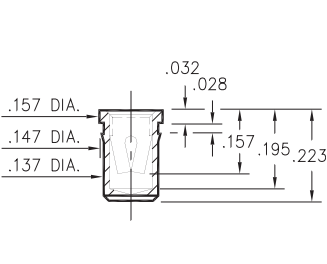
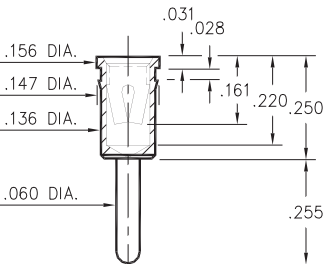
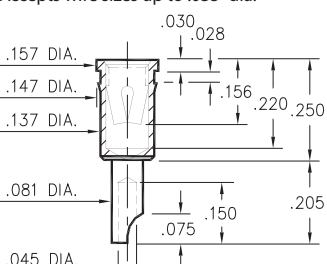
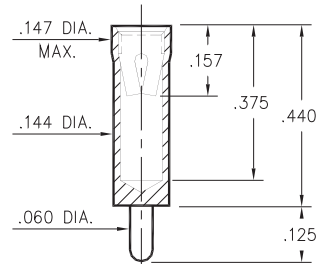
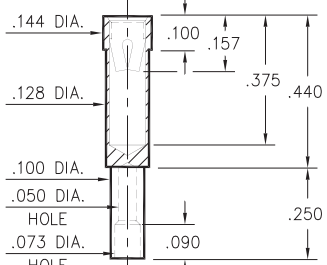
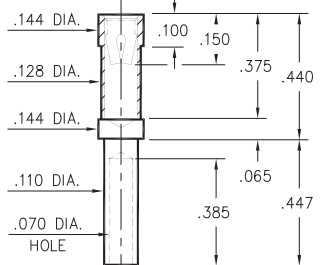
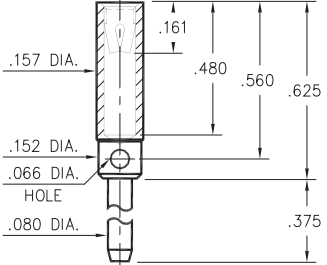
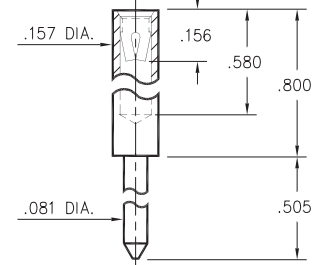
- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#13 or #23 CONTACT (DATA ON PAGE 260)**  
 (For alternate contact choices, see group G on page 248)

# PIN RECEPTACLES

FOR .065" - .082" DIAMETER PINS

<p><b>0394</b> 0394-0-15-XX-07-XX-10-0 Solder mount in .120 min. mounting hole</p> 	<p><b>0393</b> 0393-0-15-XX-07-XX-10-0 Solder mount in .144 min. mounting hole</p> 	<p><b>0391</b> 0391-0-15-XX-07-XX-10-0 Solder mount in .159 min. mounting hole</p> 	<p><b>9016</b> 9016-0-15-XX-07-XX-10-0 Press-fit in .131 mounting hole</p> 
<p><b>0493</b> 0493-0-15-XX-07-XX-10-0 Press-fit in .144 mounting hole</p> 	<p><b>0490</b> 0490-0-15-XX-07-XX-04-0 Press-fit in .144 mounting hole</p> 	<p><b>0616</b> 0616-0-18-XX-07-XX-10-0 Press-fit in .144 mounting hole Accepts wire sizes up to .035" dia.</p> 	<p><b>0387</b> 0387-0-15-XX-07-XX-04-0 Solder mount in .063 min. mounting hole</p> 
<p><b>0370</b> 0370-0-19-XX-07-XX-10-0 Wire crimp termination. Accepts wire sizes 20 AWG Max. / 24 AWG Min.</p> 	<p><b>4040</b> 4040-0-19-XX-07-XX-10-0 Wire crimp termination. Accepts wire sizes 16 AWG Max. / 20 AWG Min.</p> 	<p><b>0491</b> 0491-0-19-XX-07-XX-04-0 For use in stackable patch cords</p> 	<p><b>9214</b> 9214-0-15-XX-07-XX-10-0 Solder mount in .083 min. mounting hole</p> 

## SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE:** XXXX - X - 1X - XX - 07 - XX - XX - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#07 CONTACT (DATA ON PAGE 261)**

(For alternate contact choices, see group H on page 248)



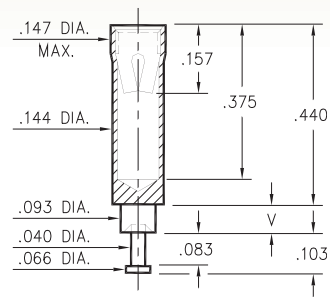
# PIN RECEPTACLES

FOR .065" - .082" DIAMETER PINS

## 0395

0395-X-15-XX-07-XX-10-0

Swage mount in .096 hole

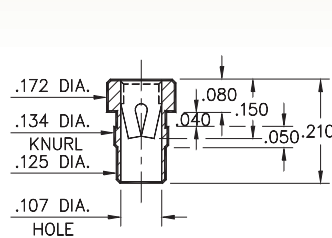


Basic Part Number	Board Thickness	Length V
0395-1	.031	.062
0395-2	.062	.094
0395-3	.094	.125
0395-4	.125	.156
0395-5	.188	.219

## 8016

8016-0-15-XX-07-XX-10-0

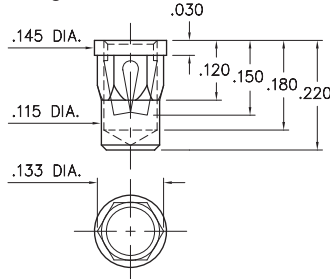
Press-fit in .131 mounting hole



## 0350

0350-0-15-XX-07-XX-10-0

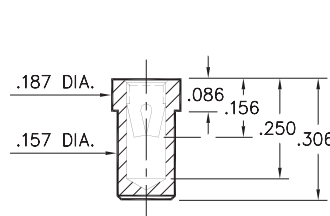
Hex press-fit in .129±.002 plated through-hole



## 8837

8837-0-15-XX-14-XX-10-0

Solder mount in .159 min. mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE:** XXXX - X - 15 - XX - XX - XX - 10 - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#07 or #14 CONTACT (DATA ON PAGE 261)**

(For alternate contact choices, see group H on page 248)



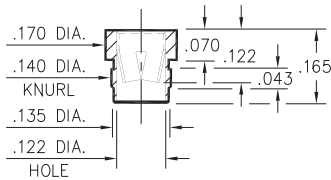
# PIN RECEPTACLES

FOR .084" - .102" DIAMETER PINS

## 0388

0388-0-15-XX-08-XX-10-0

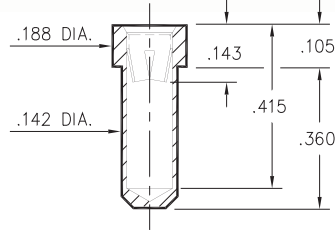
Press-fit in .138 mounting hole



## 0390

0390-0-15-XX-08-XX-10-0

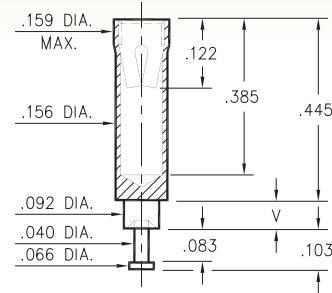
Solder mount in .144 min. mounting hole



## 0389

0389-X-15-XX-08-XX-10-0

Swage mount in .094 hole

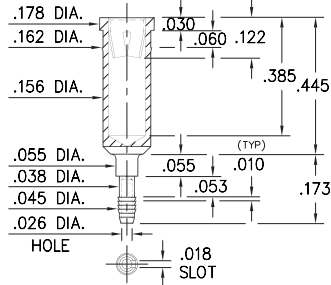


Basic Part Number	Board Thickness	Length V
0389-2	.062	.094
0389-3	.094	.125
0389-4	.125	.156

## 8963

8963-0-31-XX-08-XX-04-0

Compliant press-fit in .040 ± .003 plated hole. For .060" → .100" thick board



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ± .005

Diameters: ± .002

Angles: ± 2°



**ORDER CODE:** XXXX - X - XX - XX - 08 - XX - XX - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#08** CONTACT (DATA ON PAGE 262)



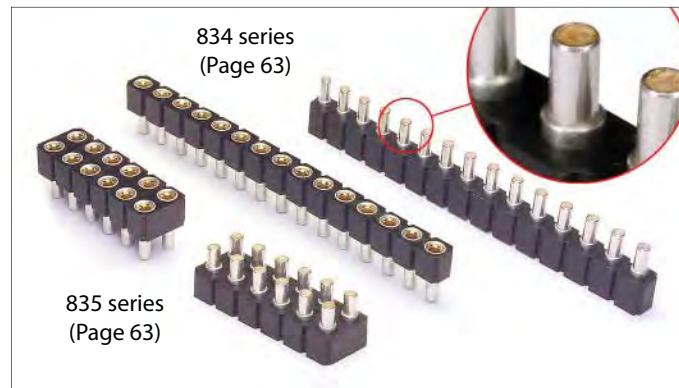
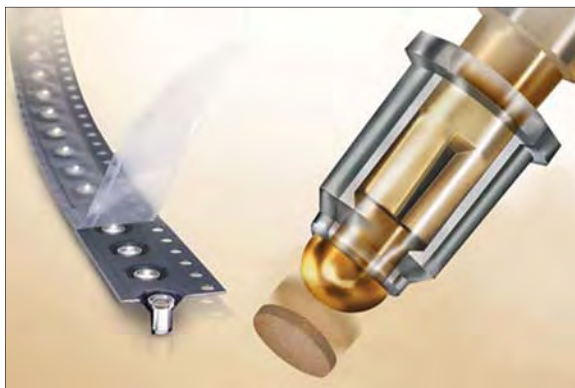
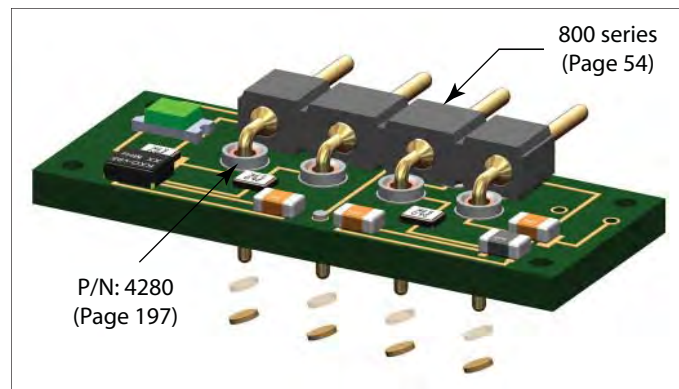
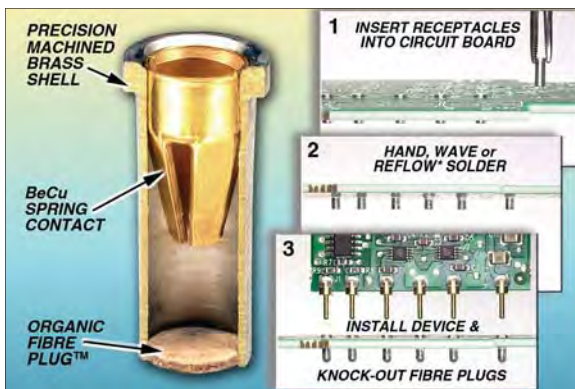
# ORGANIC FIBRE PLUG<sup>®</sup> RECEPTACLES

## RECEPTACLES WITH ORGANIC FIBRE PLUG<sup>®</sup> SOLDER BARRIER

Mill-Max's organic fibre plug (OFP<sup>®</sup>) solder barrier receptacles are discrete sockets for through-hole soldering into printed circuit boards. These open bottom receptacles are fitted with organic fibre plugs to prevent solder paste or flux from contaminating the internal contact during the pick & place and soldering process. When the device/mating lead is plugged into the receptacle, the OFP<sup>®</sup> is knocked out allowing the mating lead to pass through the fingers of the internal contact and make a reliable electrical connection.

OFP<sup>®</sup> receptacles are available to accommodate pin diameters from .008" - .102" (See pages 196 & 197 for the full line of standard OFP<sup>®</sup> receptacles). Packaging options are bulk or tape & reel (Per EIA- 481), standard reel size is 13". The advantage of tape & reel packaging is it allows these through-hole components to be placed simultaneously with surface mount parts on pick 'n place assembly lines -- eliminating the need to hand place the receptacles in an additional manufacturing step. The OFP<sup>®</sup> barrier permits the sockets to be vacuum picked from the tape prior to placement in the circuit board.

The knock-out-bottom feature enables these sockets to be made relatively short compared to many similar receptacles. The reduced length means minimal protrusion through the PCB. The open bottom receptacle design eliminates the need to trim long device leads that would otherwise bottom out in a closed design.



# PIN RECEPTACLES

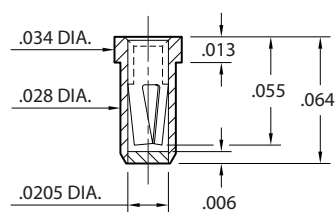
## PIN RECEPTACLES WITH ORGANIC FIBRE PLUG® SOLDER BARRIER (SEE SPECIFIC CONTACT RANGE ON PAGES 250, 251 & 253)

- These through-hole (tubular) receptacles are designed for hand, wave or reflow\* soldering. The **ORGANIC FIBRE PLUG®** barrier prevents solder paste or flux from contaminating the spring contact.
- After soldering, the **OFP®** barrier is pushed out of the receptacle when the device is plugged in.
- All parts are available as discrete receptacles or supplied on carrier tape per EIA-481 to feed industry standard pick and place machines.

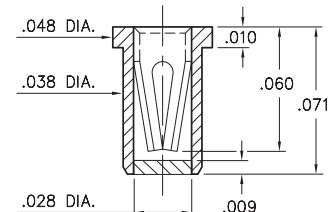
\*Intrusive reflow (also called "pin-in-paste") is a technique of using conventional through-hole components in a reflow soldering process. The receptacles are placed into plated through-holes in the circuit board (solder paste has previously been screen printed on pads adjacent to the holes) and the board is reflowed in the same pass as other SMT components. Solder will fill the plated through-holes and achieve solder joints as reliable as wave soldering. The **OFP®** barrier prevents solder paste from being picked-up inside the contact during pick 'n place assembly. "Overprinting" paste on the solder mask can be used to adjust the volume of paste required to fill each hole.



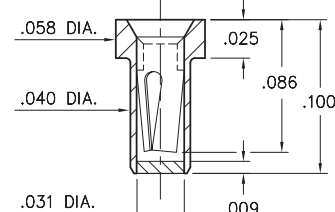
**4428**  
4428-0-XX-XX-04-XX-10-0  
Solder mount in  $\varnothing .032"$  max. PTH  
#04 Contact for  $\varnothing .008" - .013"$  pins  
Also available on 16mm wide carrier tape:  
3,400 parts per 13" reel



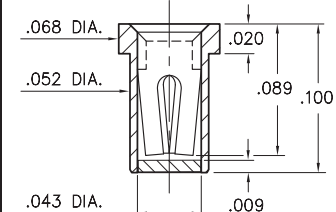
**5359**  
5359-0-XX-XX-10-XX-10-0  
Solder mount in  $\varnothing .043" \pm .003"$  PTH  
#10 Contact for  $\varnothing .012" - .017"$  pins  
Also available on 16mm wide carrier tape:  
3,000 parts per 13" reel



**0577**  
0577-0-XX-XX-21-XX-10-0  
Solder mount in  $\varnothing .045" \pm .003"$  PTH  
#21 Contact for  $\varnothing .015" - .022"$  pins  
Also available on 12mm wide carrier tape:  
3,000 parts per 13" reel



**4015**  
4015-0-XX-XX-30-XX-10-0  
Solder mount in  $\varnothing .057" \pm .003"$  PTH  
#30 Contact for  $\varnothing .015" - .025"$  pins  
Also available on 8mm wide carrier tape:  
5,500 parts per 13" reel



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Solder Barrier:** Organic Fibre Plug®  
**Dimensions: Inches**  
**Tolerances On:** Lengths:  $\pm .005$   
Diameters:  $\pm .002$   
Angles:  $\pm 2^\circ$



**ORDER CODE: XXXX - 0 - XX - XX - XX - XX - XX - 0**

**BASIC PART #**

**SPECIFY PACKAGING:**

- 43 Discrete Receptacles
- 67 Supplied on 13" Reels

**SPECIFY SHELL FINISH:**

- 01 200  $\mu$ " TIN/LEAD OVER NICKEL
- 80 200  $\mu$ " TIN OVER NICKEL (RoHS)

**CONTACT:**

#04, #10, #21 or #30 CONTACT (DATA ON PAGES 250, 251 & 253)

**SPECIFY CONTACT FINISH:**

- 27 30  $\mu$ " GOLD OVER NICKEL (RoHS)
- 02 100  $\mu$ " TIN/LEAD OVER NICKEL
- 84 200  $\mu$ " TIN OVER NICKEL (RoHS)



# PIN RECEPTACLES

## PIN RECEPTACLES WITH ORGANIC FIBRE PLUG® SOLDER BARRIER (SEE SPECIFIC CONTACT RANGE ON PAGES 254 - 262)

<p><b>0337</b> <b>0337-0-XX-XX-15-XX-10-0</b> Solder mount in <math>\varnothing .066" \pm .003"</math> PTH #15 Contact for <math>\varnothing .020" - .032"</math> pins Also available on 8mm wide carrier tape: 6,000 parts per 13" reel</p>	<p><b>4280</b> <b>4280-0-XX-XX-16-XX-10-0</b> Solder mount in <math>\varnothing .067" \pm .003"</math> PTH #16 Contact for <math>\varnothing .022" - .034"</math> pins Also available on 8mm wide carrier tape: 6,000 parts per 13" reel</p>	<p><b>5280</b> <b>5280-0-XX-XX-16-XX-40-0</b> Solder mount in <math>\varnothing .067" \pm .003"</math> PTH #16 Contact for <math>\varnothing .022" - .034"</math> pins Also available on 16mm wide carrier tape: 2,200 parts per 13" reel</p>	<p><b>0332</b> <b>0332-0-XX-XX-18-XX-10-0</b> Solder mount in <math>\varnothing .079" \pm .003"</math> PTH #18 Contact for <math>\varnothing .037" - .043"</math> pins Also available on 16mm wide carrier tape: 2,200 parts per 13" reel</p>
<p><b>0479</b> <b>0479-0-XX-XX-34-XX-10-0</b> Solder mount in <math>\varnothing .077" \pm .003"</math> PTH #34 Contact for <math>\varnothing .032" - .046"</math> pins Also available on 16mm wide carrier tape: 2,200 parts per 13" reel</p>	<p><b>0375</b> <b>0375-0-XX-XX-02-XX-10-0</b> Solder mount in <math>\varnothing .087" \pm .003"</math> PTH #02 Contact for <math>\varnothing .040" - .050"</math> pins Also available on 12mm wide carrier tape: 4,500 parts per 13" reel</p>	<p><b>0353</b> <b>0353-0-XX-XX-03-XX-10-0</b> Solder mount in <math>\varnothing .106" \pm .003"</math> PTH #03 Contact for <math>\varnothing .040" - .060"</math> pins Also available on 12mm wide carrier tape: 1,300 parts per 13" reel</p>	<p><b>0384</b> <b>0384-0-XX-XX-23-XX-10-0</b> Solder mount in <math>\varnothing .105" \pm .003"</math> PTH #23 Contact for <math>\varnothing .045" - .065"</math> pins Also available on 12mm wide carrier tape: 2,000 parts per 13" reel</p>
<p><b>0376</b> <b>0376-0-XX-XX-07-XX-10-0</b> Solder mount in <math>\varnothing .133" \pm .003"</math> PTH #07 Contact for <math>\varnothing .065" - .082"</math> pins Also available on 16mm wide carrier tape: 1,500 parts per 13" reel</p>	<p><b>0321</b> <b>0321-0-XX-XX-08-XX-10-0</b> Solder mount in <math>\varnothing .144" \pm .003"</math> PTH #08 Contact for <math>\varnothing .084" - .102"</math> pins Also available on 16mm wide carrier tape: 1,700 parts per 13" reel</p>	<p><b>3435</b> <b>3435-0-XX-XX-47-XX-04-0</b> Solder mount in <math>\varnothing .046" \pm .003"</math> PTH #47 Contact for <math>\varnothing .025" - .036"</math> and .025" square pins</p>	

### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard  
**Contact Material:** Beryllium Copper Alloy 172, HT  
**Solder Barrier:** Organic Fibre Plug®  
**Dimensions:** Inches  
**Tolerances On:** Lengths:  $\pm .005$   
 Diameters:  $\pm .002$   
 Angles:  $\pm 2^\circ$



**ORDER CODE:** XXXX - 0 - XX - XX - XX - XX - 0

### BASIC PART #

#### SPECIFY PACKAGING:

- 43 Discrete Receptacles
- 67 Supplied on 13" Reels

#### SPECIFY SHELL FINISH:

- 01 200  $\mu$ " TIN/LEAD OVER NICKEL
- 80 200  $\mu$ " TIN OVER NICKEL (RoHS)

#### SPECIFY CONTACT FINISH:

- 27 30  $\mu$ " GOLD OVER NICKEL (RoHS)
- 02 100  $\mu$ " TIN/LEAD OVER NICKEL
- 84 200  $\mu$ " TIN OVER NICKEL (RoHS)

#### CONTACT:

#02, #07, #08, #15, #16, #18, #23, #34 or #47 CONTACT (DATA ON PAGES 254 - 262)



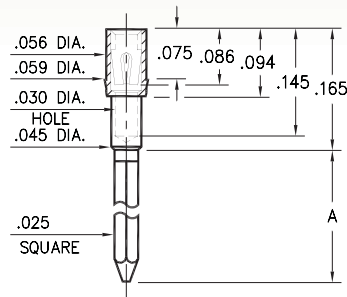
# WRAPOST RECEPTACLES

FOR .015" - .025" DIAMETER PINS

## 1702/1703

170X-X-15-XX-30-XX-02-0

Press-fit in .057 mounting hole

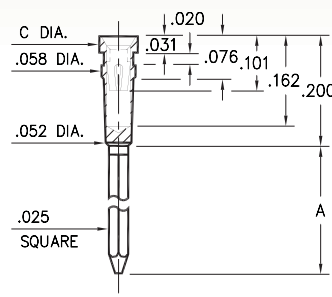


Basic Part Number	# of Wraps	Length A
1702-2	2	.370
1703-3	3	.510

## 0038 ⇨ 0040/0066 ⇨ 0068

00XX-X-17-XX-30-XX-02-0

Press-fit in .057 mounting hole

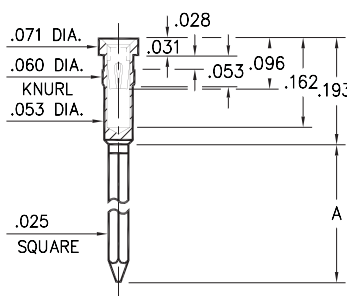


Basic Part #	# of Wraps	Length A	Dia. C
0040-1	1	.260	.072
0039-2	2	.360	
0038-3	3	.500	
0068-1	1	.260	.062
0067-2	2	.360	
0066-3	3	.500	

## 0086/0088/0089

008X-X-17-XX-3X-XX-02-0

Press-fit in .057 mounting hole

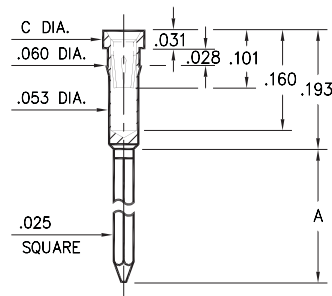


Basic Part Number	# of Wraps	Length A
0089-2	2	.370
0088-3	3	.510
0086-4	4	.630

## 1030 ⇨ 1036

103X-X-17-XX-3X-XX-02-0

Press-fit in .057 mounting hole

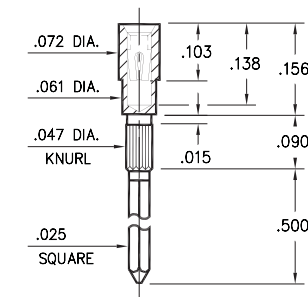


Basic Part #	# of Wraps	Length A	Dia. C
1032-1	1	.260	.072
1031-2	2	.360	
1030-3	3	.510	
1036-1	1	.260	.062
1035-2	2	.360	
1034-3	3	.510	

## 1045

1045-3-17-XX-30-XX-02-0

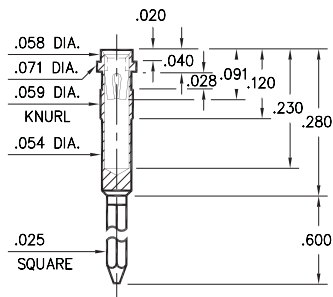
Press-fit in .043 mounting hole



## 1040

1040-3-17-XX-30-XX-02-0

Press-fit in .056 mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ±2°



**ORDER CODE:** XXXX - X - 17 - XX - XX - XX - 02 - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#30 or #32 CONTACT (DATA ON PAGE 253)**

(For alternate contact choices, see groups B and C on page 248)



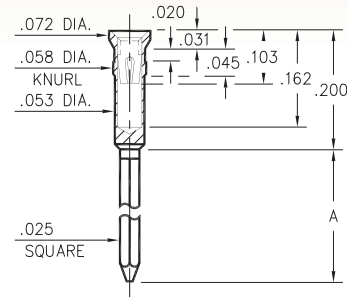
# WRAPOST RECEPTACLES

FOR .015" - .025" DIAMETER PINS

## 0444

0444-X-17-XX-30-XX-02-0

Press-fit in .056 mounting hole

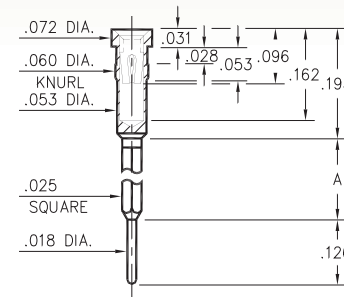


Basic Part Number	# of Wraps	Length A
0444-1	1	.260
0444-2	2	.370
0444-3	3	.505

## 2601 ⇄ 2603

260X-0-17-XX-30-XX-02-0

Press-fit in .057 mounting hole

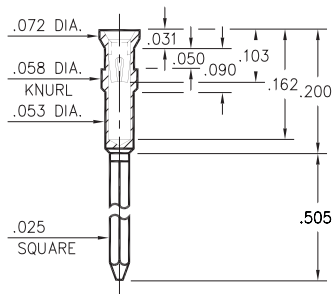


Basic Part Number	# of Wraps	Length A
2601-0	1	.232
2602-0	2	.350
2603-0	3	.468

## 0445

0445-3-17-XX-30-XX-02-0

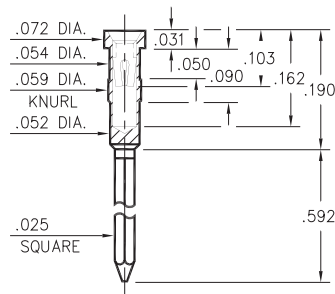
Press-fit in .056 mounting hole



## 1047

1047-3-17-XX-30-XX-02-0

Press-fit in .056 mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE:** XXXX - X - 17 - XX - 30 - XX - 02 - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 02 100 μ" TIN/LEAD OVER NICKEL
- ◆ 84 100 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#30 or #32 CONTACT (DATA ON PAGE 253)**

(For alternate contact choices, see groups B and C on page 248)



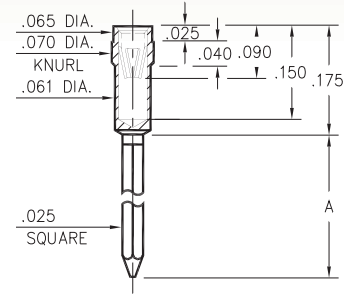
# WRAPOST RECEPTACLES

**FOR .022" - .032" DIAMETER PINS (#06 CONTACT)**  
**FOR .022" - .034" DIAMETER PINS (#16 CONTACT)**

## 2297

**2297-X-17-XX-16-XX-02-0**

Press-fit in .067 mounting hole

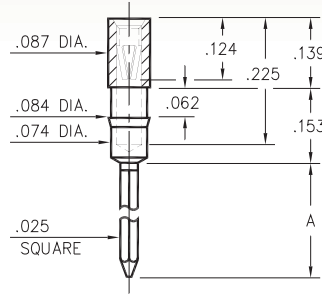


Basic Part Number	# of Wraps	Length A
<b>2297-2</b>	2	.370
<b>2297-3</b>	3	.430

## 0280

**0280-X-17-XX-06-XX-02-0**

Press-fit in .081 mounting hole

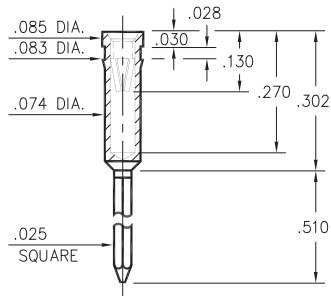


Basic Part Number	# of Wraps	Length A
<b>0280-2</b>	2	.360
<b>0280-3</b>	3	.510

## 0281

**0281-3-17-XX-06-XX-02-0**

Press-fit in .080 mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ±2°



**ORDER CODE:** XXXX - X - 17 - XX - XX - XX - 02 - 0

**BASIC PART #** →

**SPECIFY SHELL FINISH:** →

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:** →

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#06 or #16 CONTACT** (DATA ON PAGES 255 & 256)  
 (For alternate contact choices, see group D on page 248)



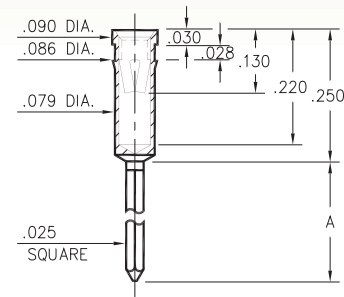
# WRAPOST RECEPTACLES

FOR .032" - .046" DIAMETER PINS

## 1052/1053

105X-X-17-XX-34-XX-02-0

Press-fit in .083 mounting hole

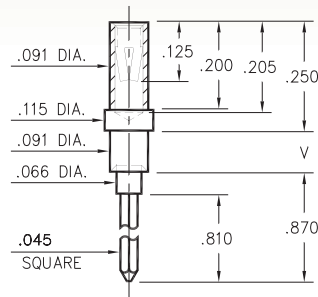


Basic Part Number	# of Wraps	Length A
1053-2	2	.360
1052-3	3	.515

## 0383

0383-X-17-XX-34-XX-02-0

Swage mount in .094 hole

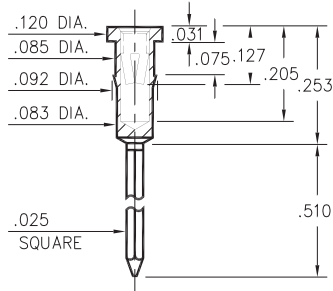


Basic Part Number	Board Thickness	Length V
0383-1	.062	.094
0383-2	.094	.125
0383-3	.125	.156

## 0382

0382-3-17-XX-34-XX-02-0

Press-fit in .089 mounting hole



### SPECIFICATIONS:

**Shell Material:** Brass Alloy 360, 1/2 Hard

**Contact Material:** Beryllium Copper Alloy 172, HT

**Dimensions:** Inches

**Tolerances On:** Lengths: ±.005

Diameters: ±.002

Angles: ± 2°



**ORDER CODE:** XXXX - X - 17 - XX - 34 - XX - 02 - 0

**BASIC PART #**

**SPECIFY SHELL FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 15 10 μ" GOLD OVER NICKEL (RoHS)

**SPECIFY CONTACT FINISH:**

- 01 200 μ" TIN/LEAD OVER NICKEL
- ◆ 80 200 μ" TIN OVER NICKEL (RoHS)
- ◆ 27 30 μ" GOLD OVER NICKEL (RoHS)

**SELECT CONTACT:**

**#34** CONTACT (DATA ON PAGE 258)

(For alternate contact choices, see group E on page 248)

