



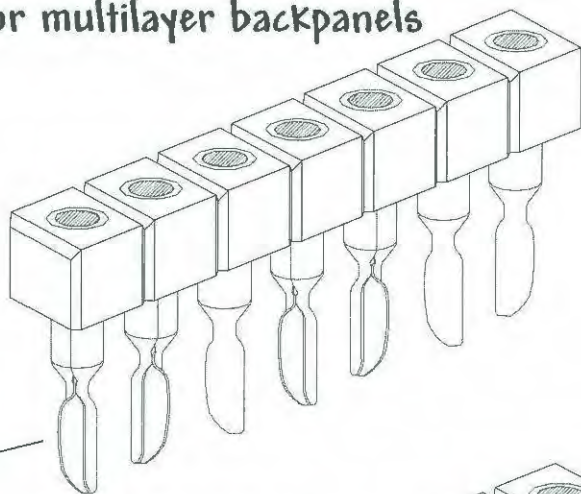
# ELPAKCO ELECTRONICS



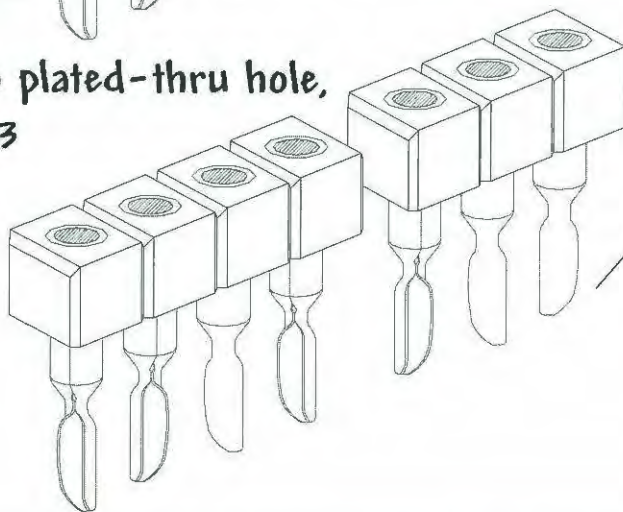
Get the  
Double 'E' Brand!

# Introducing the new PONY PIN

qualified by Contech Research for use  
in the interconnection industry  
especially for multilayer backpanels

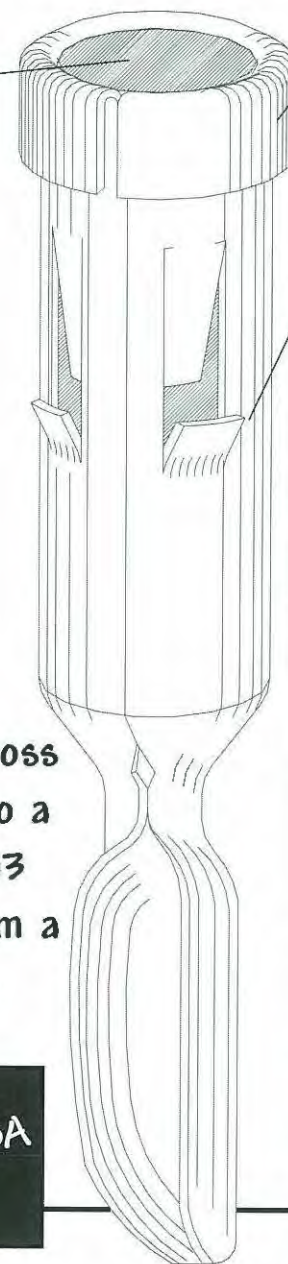


press-fit into plated-thru hole,  
size  $.030 \pm .003$



unique "c" shaped cross  
section tail plugs into a  
standard  $.030" \pm .003$   
diameter PTH to form a  
gas tight connection

accepts lead  
sizes  
 $.016" \varnothing$  to  
 $.025"$  sq. post



$.062"$  head  
diameter for  
2mm spacing  
applications

$.059"$  barb allows  
pin to mate with  
all readily  
available plastic  
wafers in the  
standard DIP,  
SIP and header  
styles

Elpakco also manufactures  
PGA's - Carrier Sockets  
DIP Sockets - PLCC Sockets  
Pin Headers - Solder  
Terminals - Stamped &  
Formed Sockets - Adaptors  
Zig-Zag Sockets - Press-fit  
Sockets - Wire Wrap Sockets  
Mini Shunts - Capacitor  
Sockets - And Much More!

**Elpakco, Inc.** 2 Carl Thompson Road, Westford, MA 01886 USA  
Tel: 978-392-0400, Fax: 978-392-6814

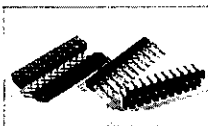


## Quick Find!

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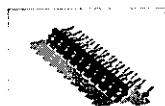
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## General Data

### SPECIFICATIONS

**Terminal Material:** Brass Alloy 360 1/2 hard per QQ-B-626.

Phosphor Bronze Alloy 544 per QQ-B-750.

**Contact Material:** Beryllium Copper Alloy 172, HT per QQ-C-533. Phosphor Bronze Alloy 544 per QQ-B-750, Comp. B. Beryllium Nickel Alloy 440, HT.

**Terminal Plating:** Gold per MIL-G-45204, Type I, Grade C. Tin/Lead per MIL-T-81728, Type 1, Grade C.

**Contact Plating:** Gold per MIL-G-45204, Type 1, Grade C. Tin/Lead per MIL-T-81728, Type 1, Grade C.

**Insulator Material:** Glass Epoxy Laminate, FR-4, Rated to UL 94V-0. Glass-filled Polyester (Valox 420-SE0) Rated to UL 94V-0.



Note: All dimensions are in inches

## Technical Specifications

### GENERAL SPECIFICATIONS

When applicable, Elpakco products and procedures are designed to meet the following general specifications:

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| <b>MIL-STD-105</b>   | Sampling procedures                                                         |
| <b>MIL-STD-109</b>   | Quality assurance terms and conditions                                      |
| <b>MIL-STD-202E</b>  | Test measures for electronic and electrical component parts                 |
| <b>MIL-STD-1130B</b> | Connections, electrical, solderless, wrapped                                |
| <b>MIL-STD-1344A</b> | Test methods for electrical connectors                                      |
| <b>MIL-STD-45662</b> | Calibration system requirements                                             |
| <b>MIL-C-39029</b>   | General specifications for contacts, electrical connector                   |
| <b>MIL-I-45208</b>   | Inspection equipment, acquisition, maintenance and disposition of           |
| <b>MIL-S-83505</b>   | General Specification for sockets (lead, electronic components)             |
| <b>MIL-S-83734</b>   | Sockets, plug in electronic components, DIP, SIP, general specification for |
| <b>ASTM-B487-79</b>  | Measuring metal coating by examination of a cross section                   |
| <b>ASTM-A754-79</b>  | Standard test methods for coating thickness by X-ray fluorescence           |
| <b>MIL-M-24519</b>   | Molding plastics, electrical, thermoplastic                                 |
| <b>MIL-P-13949</b>   | Plastic sheet, laminated, metal clad, general specification for             |

### MECHANICAL SPECIFICATIONS (Screw-Machine Sockets)

|                                                          |                                                                           |
|----------------------------------------------------------|---------------------------------------------------------------------------|
| <b>Contact Resistance</b>                                | <10 milliohms per contact                                                 |
| <b>Contact Capacitance</b>                               | 0.3 pF                                                                    |
| <b>Contact Current Rating (for 10° temperature rise)</b> | 3 A except for #6(10) which is 2 A                                        |
| <b>Insulation Resistance (@ 500V DC)</b>                 | 10000 megaohms (min.)                                                     |
| <b>Contact Operating Temperature Range</b>               | -55°C to +150°C (BeCu)<br>-55°C to +225°C (BeNi)                          |
| <b>Dielectric Withstanding Voltage</b>                   | 1000 V AC                                                                 |
| <b>Rated Voltage</b>                                     | 100 V AC                                                                  |
| <b>Durability</b>                                        | 1000 Cycles (min.) @ 10 milliohms maximum change                          |
| <b>Inner Contact Retention in Terminal</b>               | 7.5 lbs. (min.)                                                           |
| <b>Terminal Retention Force in Insulator (PGA/DIP)</b>   | 10 lbs. (min.)                                                            |
| <b>Thermal Shock</b>                                     | <2 milliohms change in contact resistance after 4 cycles                  |
| <b>Vibration</b>                                         | No electrical discontinuities or mechanical damage                        |
| <b>Solderability</b>                                     | Conforms to MIL-STD-202, Method 208                                       |
| <b>Shock</b>                                             | no discontinuities or mechanical damage (10 cycles of 2000G's)            |
| <b>Temperature/Humidity Cycling</b>                      | <2 milliohms increase in contact resistance after 21 days, 40 °C, 93% RH  |
| <b>Salt Spray</b>                                        | <2 milliohms increase in contact resistance after 48 hours, 35°C, 5% NaCl |



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## Series 10

### DESCRIPTION

The Open Frame design allows for maximum cooling and inspection. All insulators are end-to-end and side-to-side stackable. Series 10 is available in sizes 6 to 64. The precision screw-machine outer shell and the four-finger BeCu inner contact allow for easy IC insertion.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester

**Thickness:** .100" to .112"

**Flammability Rating:** UL94V-O

**Operating Temperature:** -55°C to +125°C

**Shell Material:** Brass

**Contact Material:** BeCu

**Shell Plating:** Tin over Nickel and Gold over Nickel

**Contact Plating:** Tin over Nickel and Gold over Nickel

**Lead Size Range:** .015" to .022"

### DIMENSIONS

| No. of Pins | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 6           | .300 |      |      |
| 8           | .400 |      |      |
| 10          | .500 |      |      |
| 14          | .700 |      |      |
| 16          | .800 | .300 | .400 |
| 18          | .900 |      |      |
| 20          | 1.00 |      |      |
| 22          | 1.10 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 22          | 1.10 | .400 | .500 |
| 24          | 1.20 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 32          | 1.60 |      |      |
| 36          | 1.80 | .600 | .700 |
| 40          | 2.00 |      |      |
| 48          | 2.40 |      |      |
| 50          | 2.50 |      |      |
| 52          | 2.60 | .900 | 1.00 |
| 64          | 3.20 |      |      |

Note: All dimensions are in inches

## Open Frame DIP Sockets

10 - 3 - 18 - 04 - T - G

### Series

10 - Open Frame DIP

10E - Slim Line .050" Thick

### DIP Spacing

3 - .300"

4 - .400"

6 - .600"

9 - .900"

### Total Number of Pins

6 - 64

### Terminal Style

(Choose from selections below)

### Contact Plating

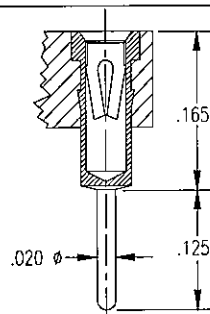
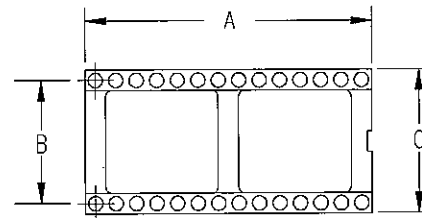
G - 10μ" Gold

T - 150μ" Tin

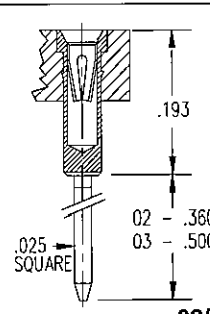
### Shell Plating

G - 10μ" Gold

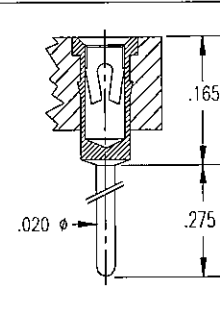
T - 150μ" Tin



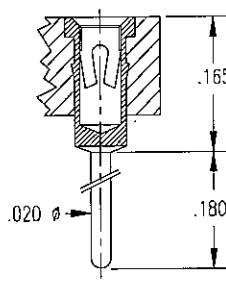
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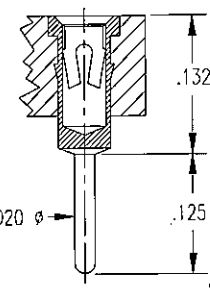
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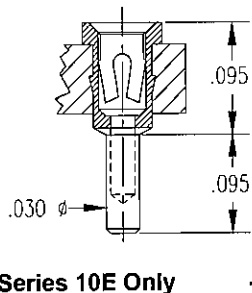
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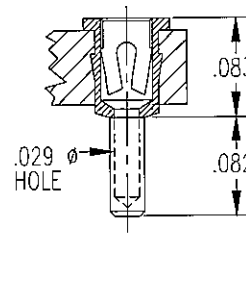


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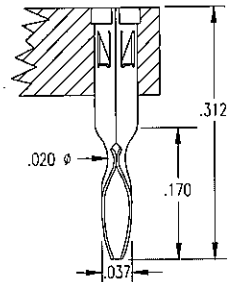
Series 10E Only

-451

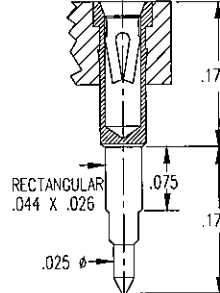


Series 10E Only

### PONY PIN



-83 Press-fit in .030 ±.003



-99 Press-fit in .038 ±.002 -477



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## Series 10C

## Open Frame DIP Sockets with Capacitors

### DESCRIPTION

The Open Frame design allows for maximum cooling and inspection. All insulators are end-to-end and side-to-side stackable. Series 10C is available in sizes 6 to 64. The precision screw-machine outer shell and the four-finger BeCu inner contact allow for easy IC insertion. The capacitors are axial leads which eliminate the noise factor. The capacitors are soldered to the P and G pins.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester.

**Thickness:** .100" to .112"

**Flammability Rating:** UL 94V-O

**Operating Temperature:** -76°F to +284°F

**Shell Material:** Brass

**Contact Material:** BeCu

**Shell Plating:** Tin over Nickel and Gold over Nickel

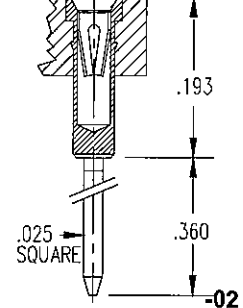
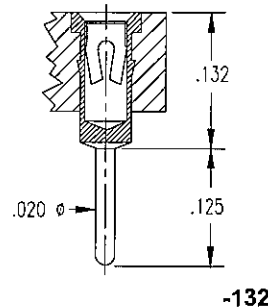
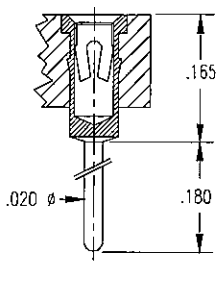
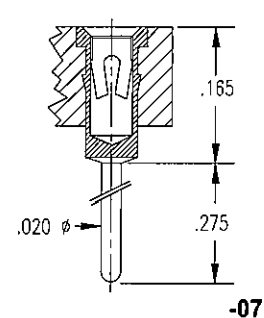
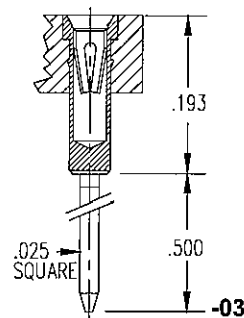
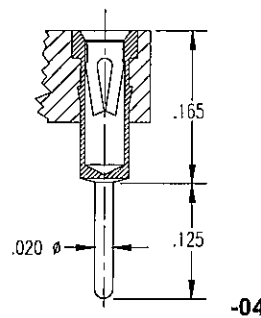
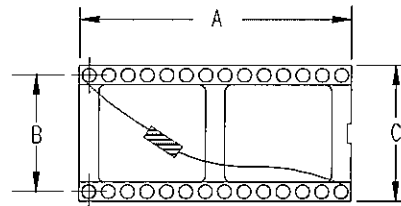
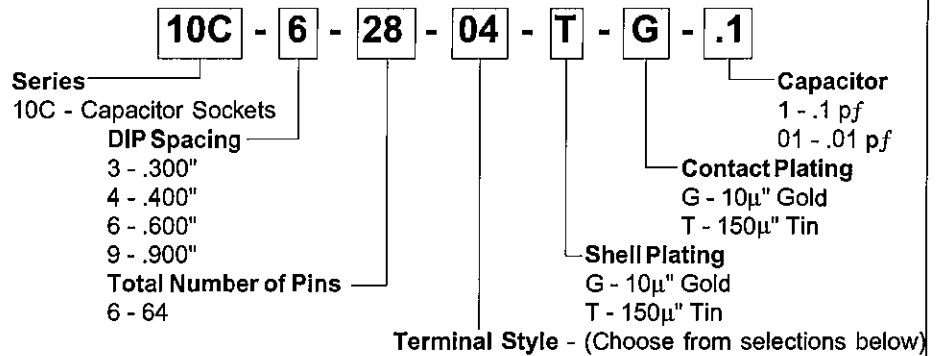
**Contact Plating:** Tin over Nickel and Gold over Nickel

**Lead Size Range:** .015" to .022"

### DIMENSIONS

| No. of Pins | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 6           | .300 |      |      |
| 8           | .400 |      |      |
| 10          | .500 |      |      |
| 14          | .700 |      |      |
| 16          | .800 | .300 | .400 |
| 18          | .900 |      |      |
| 20          | 1.00 |      |      |
| 22          | 1.10 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 22          | 1.10 | .400 | .500 |
| 24          | 1.20 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 32          | 1.60 |      |      |
| 36          | 1.80 | .600 | .700 |
| 40          | 2.00 |      |      |
| 48          | 2.40 |      |      |
| 50          | 2.50 |      |      |
| 52          | 2.60 | .900 | 1.00 |
| 64          | 3.20 |      |      |

Note: All dimensions are in inches



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## Series 11

### DESCRIPTION

The Glass Epoxy DIP sockets are available in custom configurations. There are alternate types of Glass Epoxy material that are available. The turn-around time is very quick! Series 11 is available in sizes 6 to 64. The precision screw-machine outer shell and the four-finger BeCu inner contact allow for easy IC insertion.

### SPECIFICATIONS

**Insulator Material:** Glass Epoxy Laminate

**Thickness:** .062"

**Flammability Rating:** UL 94V-O

**Operating Temperature:** -76°F to +284°F

**Shell Material:** Brass

**Contact Material:** BeCu

**Shell Plating:** Tin over Nickel and Gold over Nickel

**Contact Plating:** Tin over Nickel and Gold over Nickel

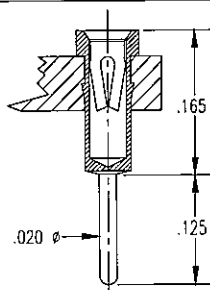
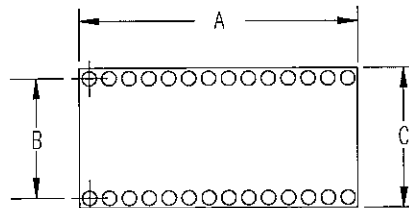
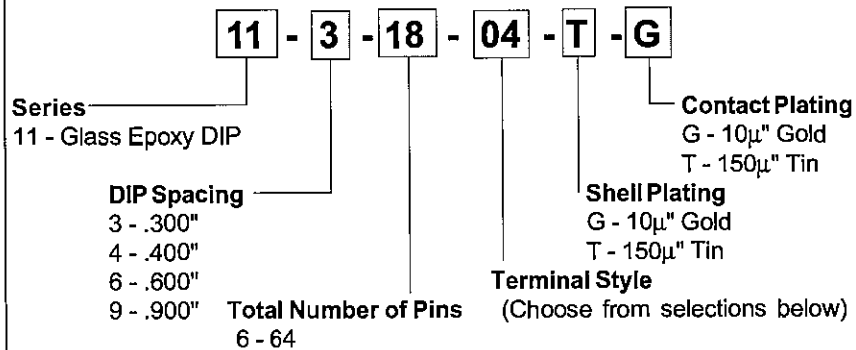
**Lead Size Range:** .015" to .022"

### DIMENSIONS

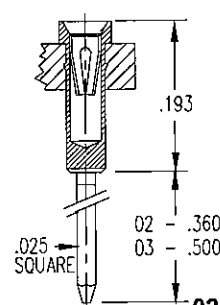
| No. of Pins | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 6           | .300 |      |      |
| 8           | .400 |      |      |
| 10          | .500 |      |      |
| 14          | .700 |      |      |
| 16          | .800 | .300 | .400 |
| 18          | .900 |      |      |
| 20          | 1.00 |      |      |
| 22          | 1.10 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 22          | 1.10 | .400 | .500 |
| 24          | 1.20 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 32          | 1.60 | .600 | .700 |
| 36          | 1.80 |      |      |
| 40          | 2.00 |      |      |
| 48          | 2.40 |      |      |
| 50          | 2.50 | .900 | 1.00 |
| 52          | 2.60 |      |      |
| 64          | 3.20 |      |      |

Note: All dimensions are in inches

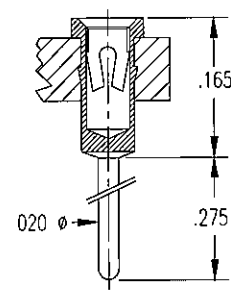
## Glass Epoxy DIP Sockets



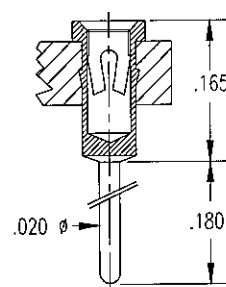
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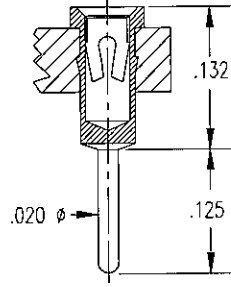
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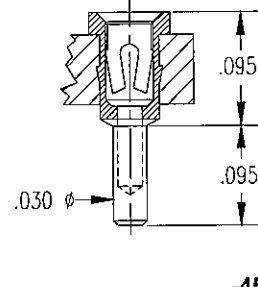
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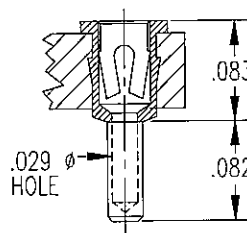
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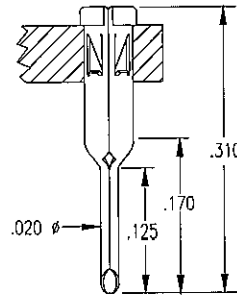


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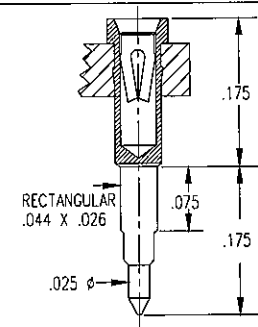


-83

### POLO PIN



-98



Press-fit .038 ± .002 -477



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## Series 11A

### DESCRIPTION

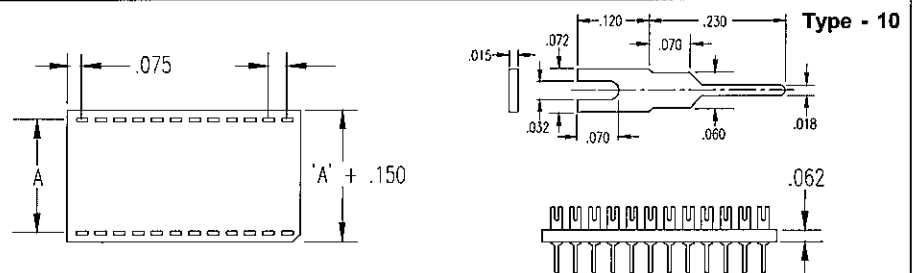
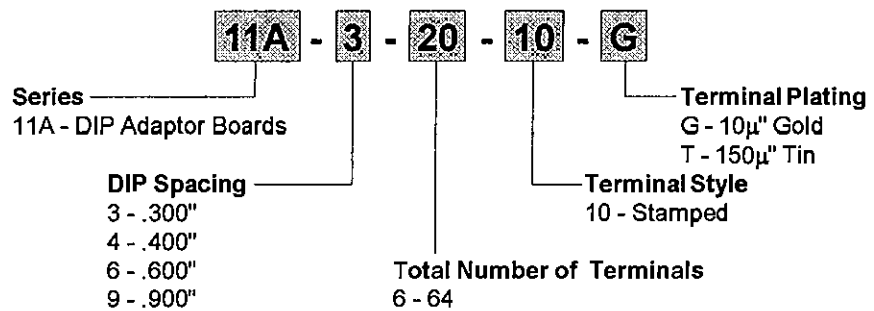
This series 11A is available in custom configurations. The bifurcated design allows for large diameter components.

### SPECIFICATIONS

**Insulator Material:** Glass Epoxy Laminate  
**Flammability Rating:** UL 94V-O  
**Operating Temperature:** -65°C to +125°C  
**Terminal Material:** PhBr  
**Terminal Plating:** Tin over Nickel and Gold over Nickel

Note: All dimensions are in inches

## DIP Adaptor Boards



## Series TO

### DESCRIPTION

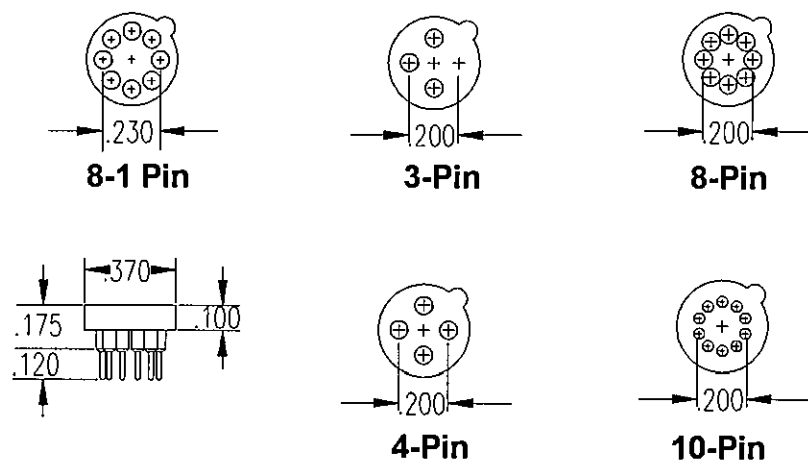
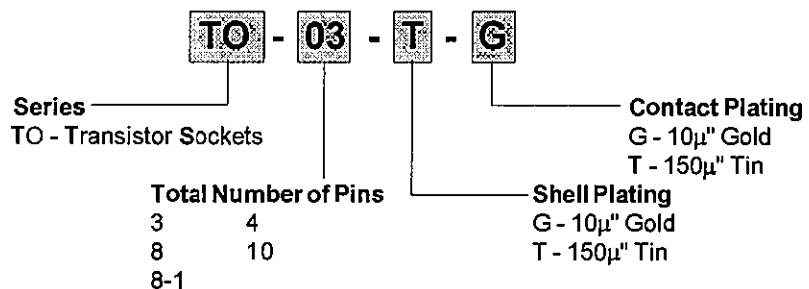
Series TO is available in a number of custom configurations. The Transistor sockets also have a very low profile.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester  
**Flammability Rating:** UL 94V-O  
**Operating Temperature:** -65°C to +125°C  
**Shell Material:** Brass  
**Contact Material:** BeCu  
**Shell Plating:** Tin over Nickel and Gold over Nickel  
**Contact Plating:** Tin over Nickel and Gold over Nickel  
**Lead Size Range:** .015" to .022" diameters

Note: All dimensions are in inches

## Transistor Sockets



**ELPAKCO, INC.**

2 Carl Thompson Road, Westford, MA 01886, Tel: 978-392-0400, Fax: 978-392-6814

## Series 12

### DESCRIPTION

Series 12 allows the user to custom design the Break-away strip to whatever size is desired. Single row strips are available in sizes up to 36 positions. These strips are end-to-end and side-to-side stackable. This series can be customized in a **Dual (2 x 40)** or **Single (1 x 36)** row format.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester

**Flammability Rating:** UL 94V-O

**Operating Temperature:** -55°C to +125°C

**Shell Material:** Brass

**Contact Material:** BeCu

**Shell Plating:** Tin over Nickel and Gold over Nickel

**Contact Plating:** Tin over Nickel and Gold over Nickel

**Lead Size Range:** .015" to .022" diameters

**BREAK-  
AWAY  
INTO ANY  
REQUIRED  
LENGTH!**

Note: All dimensions are in inches

## Break-Away Strips (SINGLE & DUAL Row)

**12 - 032 - 04 - T - G**

### Series

12 - Standard (.100" Thk.)  
12D - Dual Row (.112" Thk.)  
12E - .050" Thick, Single  
12F - .050" Thick, Dual Row

### Contact Plating

G - 10μ" Gold  
T - 150μ" Tin

### Terminal Plating

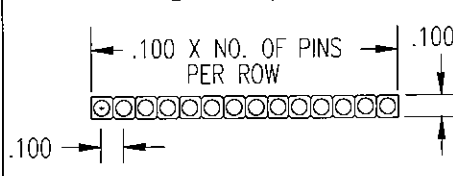
G - 10μ" Gold  
T - 150μ" Tin

### Terminal Style

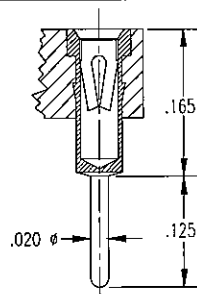
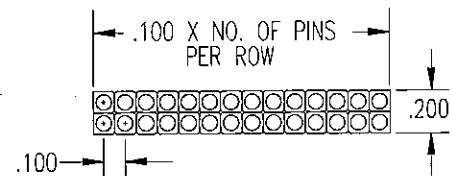
(Choose from selections below)

**Total Number of Pins**  
2 - 80

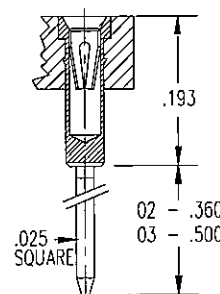
### Single Row (1 x 36)



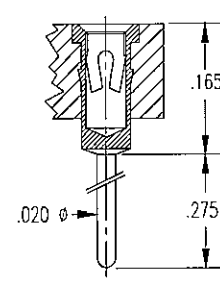
### Dual Row (2 x 40)



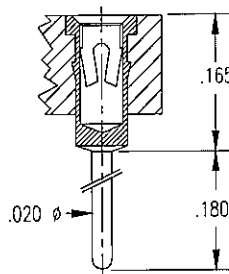
-04



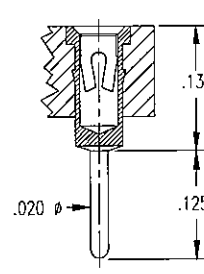
-02/-03



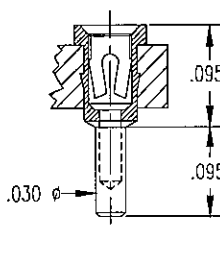
-07



-08

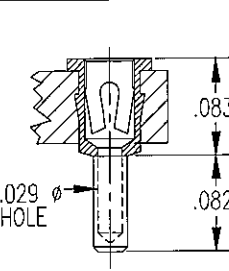


-132



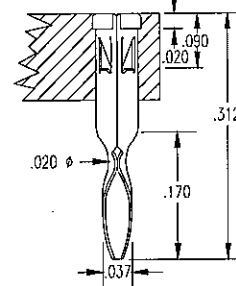
Series 12E/12F Only

-451



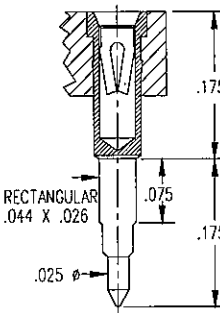
-83

### PONY PIN



-83

Press-fit in .030 ± .003 -99



Press-fit in .038 ± .002 -477



**ELPAKCO, INC.**

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## Series 12CW

### DESCRIPTION

Series 12CW allows the user to custom design the Cut-away strip to whatever size is desired. Single row strips are available in sizes up to 36 positions. These strips are end-to-end and side-to-side stackable.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester

**Flammability Rating:** UL 94V-O

**Operating Temperature:** -55°C to +125°C

**Shell Material:** Brass

**Contact Material:** BeCu

**Shell Plating:** Tin over Nickel and Gold over Nickel

**Contact Plating:** Tin over Nickel and Gold over Nickel

**Lead Size Range:** .016" to .022" diameters

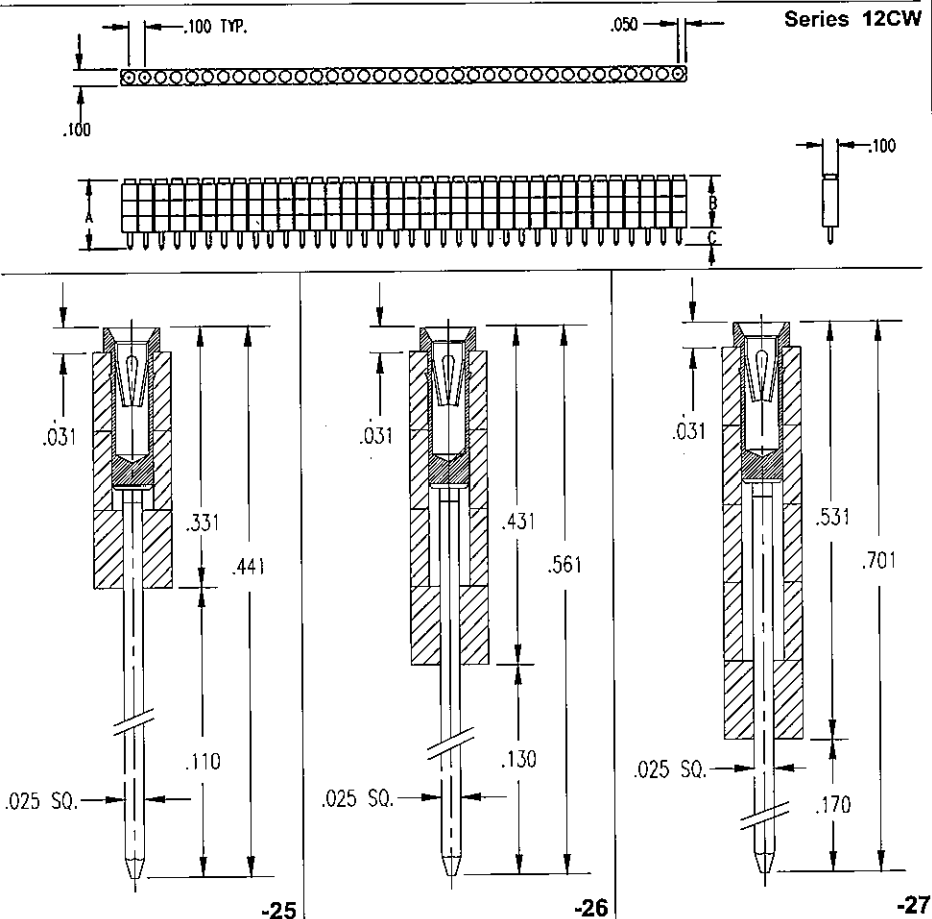
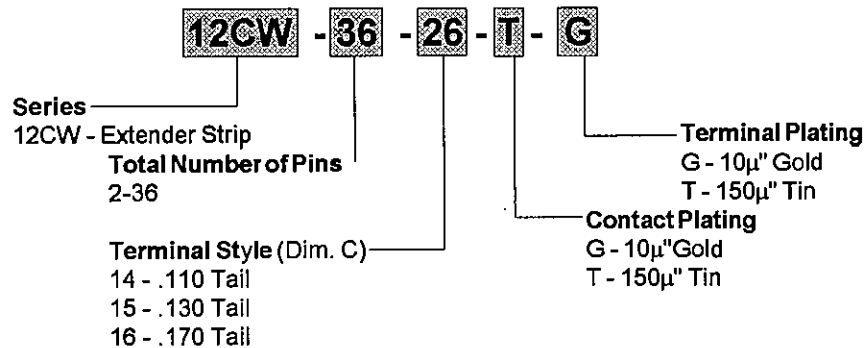
### DIMENSIONS

| Term. Style | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 14          | .441 | .331 | .110 |
| 15          | .561 | .431 | .130 |
| 16          | .701 | .531 | .170 |

**CUT-  
AWAY  
INTO ANY  
REQUIRED  
LENGTH!**

Note: All dimensions are in inches

## Cut-Away Extender Strips (SINGLE Row)



**ELPAKCO, INC.**

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## Series 13

### DESCRIPTION

The Closed Frame design allows for rigid design. All insulators are end-to-end and side-to-side stackable. Series 13 is available in sizes 6 to 40. The precision screw-machine outer shell and the four-finger BeCu inner contact allow for easy IC insertion.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester

**Flammability Rating:** UL 94V-O

**Operating Temperature:** -76F to +284F

**Shell Material:** Brass

**Contact Material:** BeCu

**Shell Plating:** Tin over Nickel and Gold over Nickel

**Contact Plating:** Tin over Nickel and Gold over Nickel

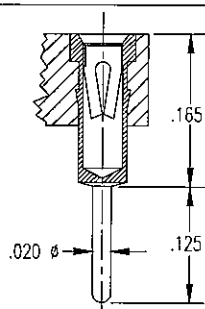
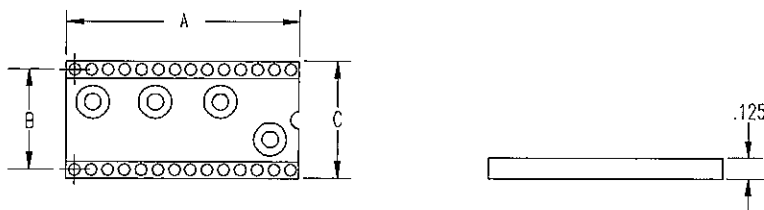
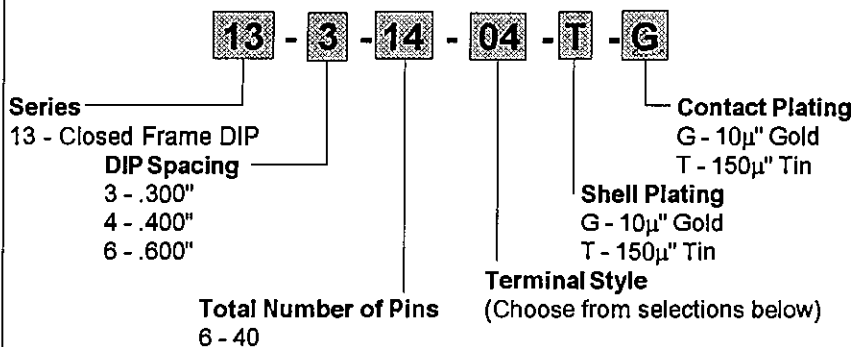
**Lead Size Range:** .015" to .022"

### DIMENSIONS

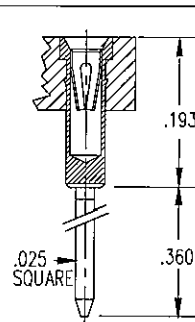
| No. of Pins | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 6           | .300 |      |      |
| 8           | .400 |      |      |
| 10          | .500 |      |      |
| 14          | .700 |      |      |
| 16          | .800 | .300 | .400 |
| 18          | .900 |      |      |
| 20          | 1.00 |      |      |
| 22          | 1.10 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 22          | 1.10 | .400 | .500 |
| 24          | 1.20 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 32          | 1.60 |      |      |
| 36          | 1.80 | .600 | .700 |
| 40          | 2.00 |      |      |
| 48          | 2.40 |      |      |
| 50          | 2.50 |      |      |
| 52          | 2.60 | .900 | 1.00 |

Note: All dimensions are in inches

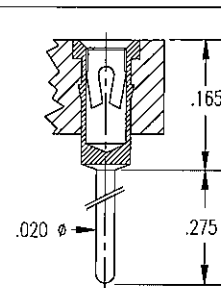
## Closed Frame DIP Sockets



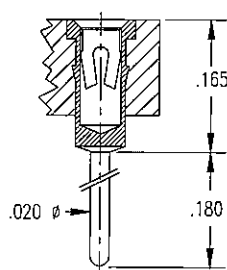
-04



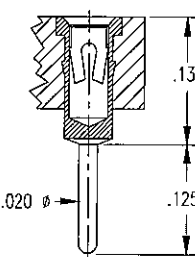
-02



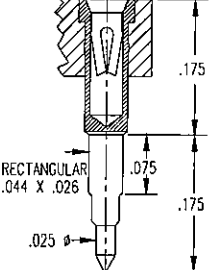
-07



-08

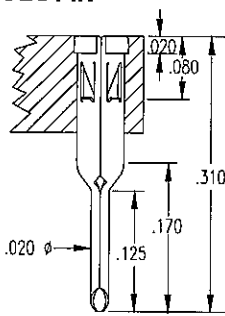


-132



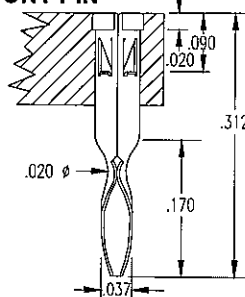
Press-fit in .038 ± .002 -477

### POLO PIN

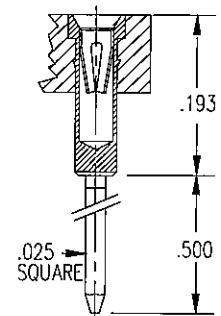


-98

### PONY PIN



Press-fit in .030 ± .003 -99



-03



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## Series 14

### DESCRIPTION

Series 14 Aluminum Carriers allows the designer to insert the socket receptacles directly into the board for optimum low profile configuration. The Carriers are available in sizes 6 to 40. The Aluminum Carrier is removed after soldering, leaving a precision screw-machine terminal.

### SPECIFICATIONS

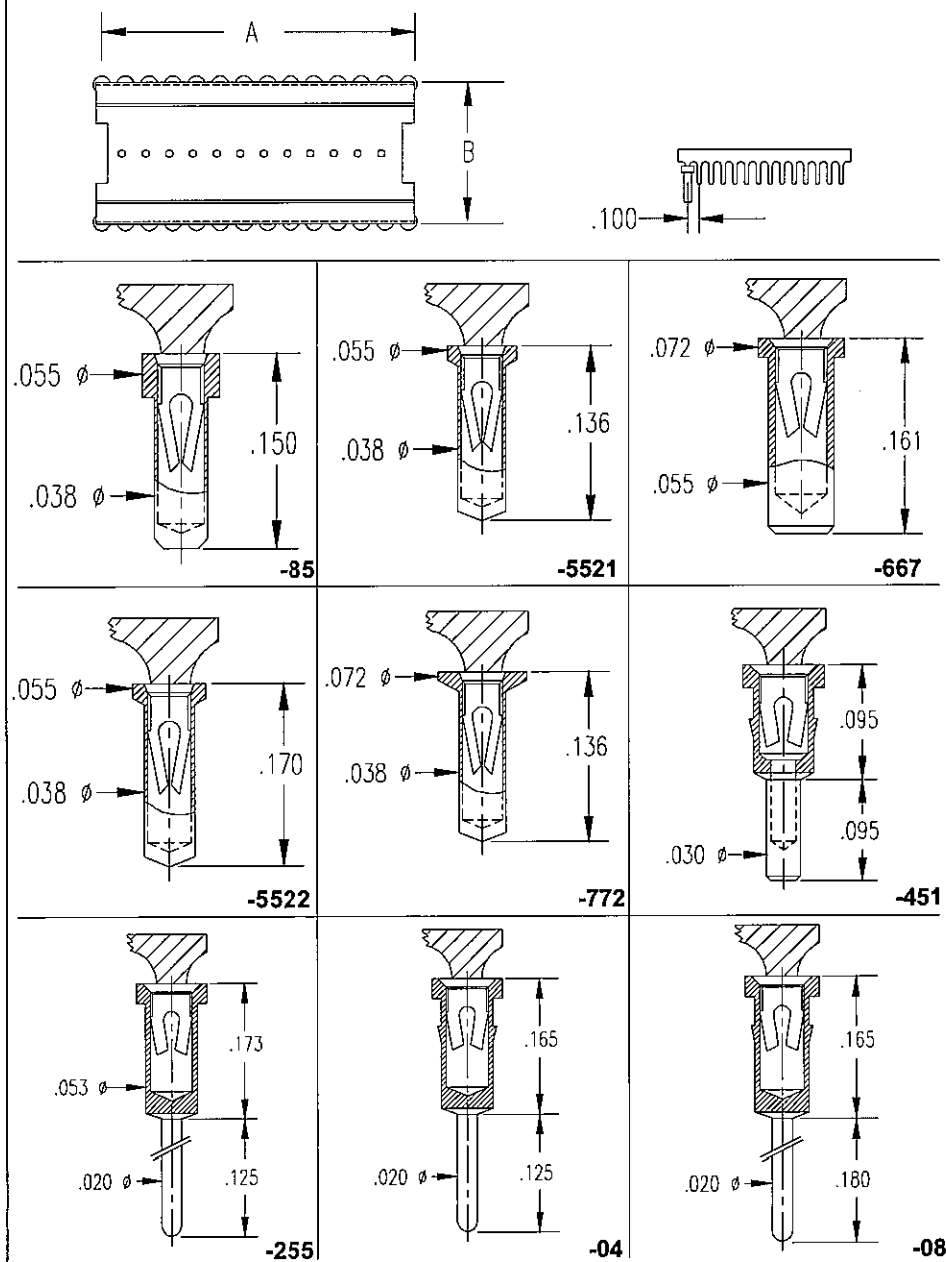
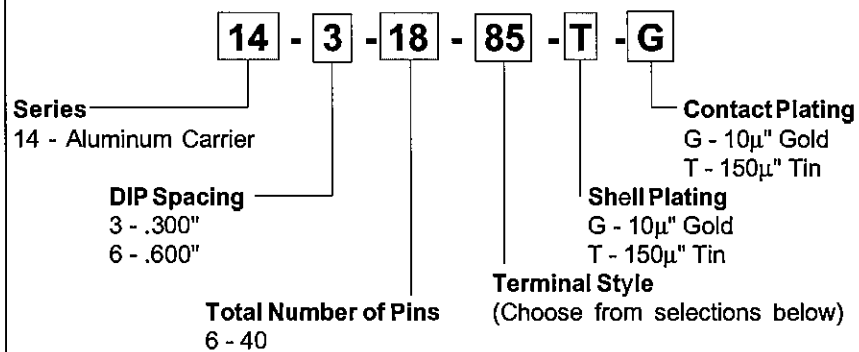
**Carrier Material:** Aluminum  
**Shell Material:** Brass  
**Contact Material:** BeCu  
**Shell Plating:** Tin over Nickel and Gold over Nickel  
**Contact Plating:** Tin over Nickel and Gold over Nickel  
**Lead Size Range:** .015" to .022"

### DIMENSIONS

| No. of Pins | 'A'  | 'B'  |
|-------------|------|------|
| 6           | .300 |      |
| 8           | .400 |      |
| 14          | .700 |      |
| 16          | .800 |      |
| 18          | .900 |      |
| 20          | 1.00 | .300 |
| 22          | 1.10 |      |
| 24          | 1.20 |      |
| 28          | 1.40 |      |
| 24          | 1.20 |      |
| 28          | 1.40 | .600 |
| 32          | 1.60 |      |
| 36          | 1.80 |      |
| 40          | 2.00 |      |

Note: All dimensions are in inches

## Disposable Aluminum Carrier Sockets



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## Series 15

### DESCRIPTION

This series is available in standard and custom configurations. Both are made in Glass-filled Polyester and Glass Epoxy. There are many footprints available. **Six-finger LIF contacts are standard.** See the back sections for details.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester and Glass Epoxy  
**Flammability Rating:** UL 94V-O  
**Operating Temperature:** -76°F to +284°F (Glass Epoxy) and -65°C to +125°C (Plastic)  
**Shell Material:** Brass  
**Contact Material:** BeCu  
**Shell Plating:** Tin over Nickel and Gold over Nickel  
**Contact Plating:** Tin over Nickel and Gold over Nickel  
**Lead Size Range:** .015" to .022"

Note: All dimensions are in inches

## PGA Sockets

**15P - 17 - 168 - 04 - T - G**

### Series

15P - Plastic Insulator  
 15E - Glass Epoxy Insulator

### Grid Size

(Choose from footprints)

### Contact Plating

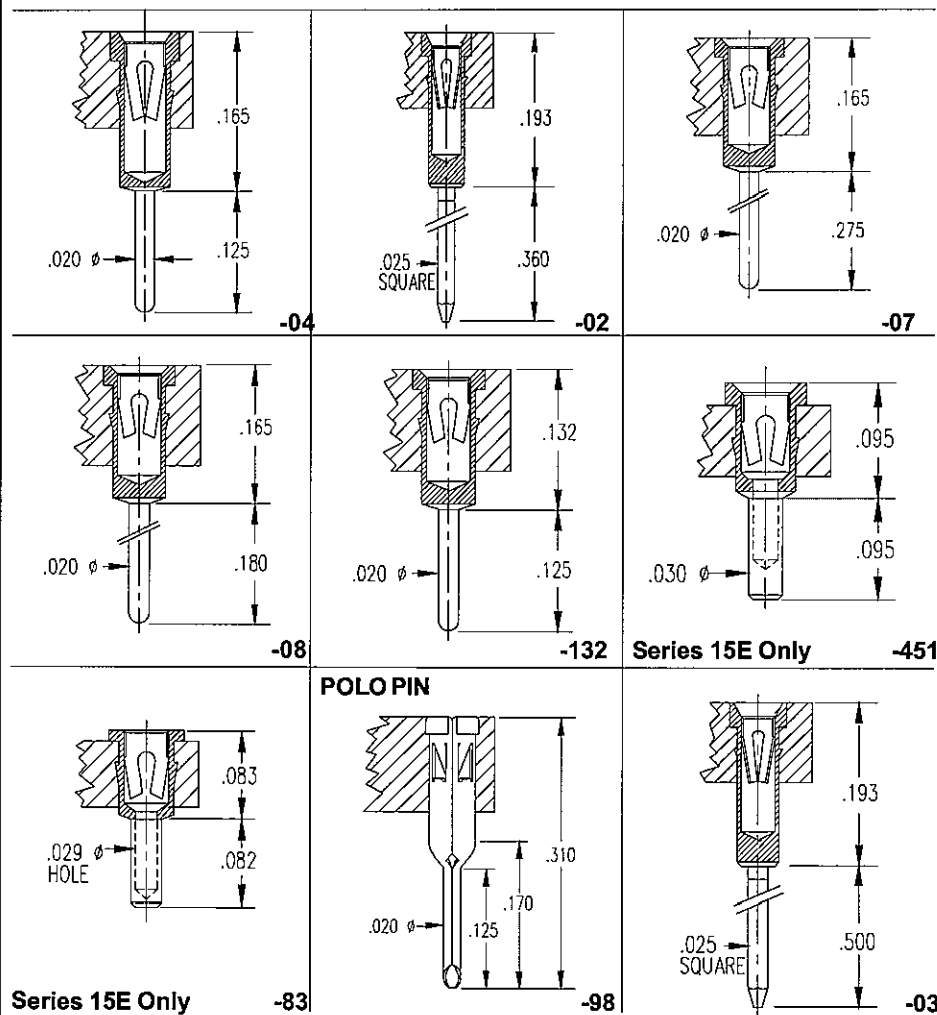
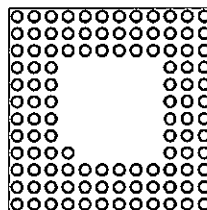
G - 10μ" Gold  
 T - 150μ" Tin

### Shell Plating

G - 10μ" Gold  
 T - 150μ" Tin

### Terminal Style

(Choose from selections below)



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## Series 15

### DESCRIPTION

This series is available in custom standard and custom configurations. Both are made in Glass-filled Polyester and Glass Epoxy. There are many footprints available.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester and Glass Epoxy  
**Flammability Rating:** UL 94V-O  
**Operating Temperature:** -76°F to +284°F (Glass Epoxy) and -65°C to +125°C (Plastic)  
**Pin Material:** Brass  
**Pin Plating:** Tin over Nickel and Gold over Nickel

## PGA Adaptors

15P - 17 - 168 - 210 - T

### Series

15P - Plastic Insulator  
 15E - Glass Epoxy Insulator

### Grid Size

(Choose from footprints)

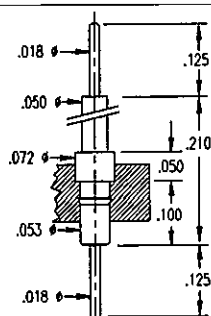
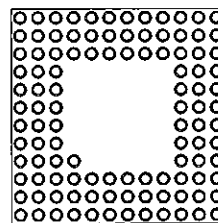
### Terminal Plating

G - 10μ" Gold  
 T - 150μ" Tin

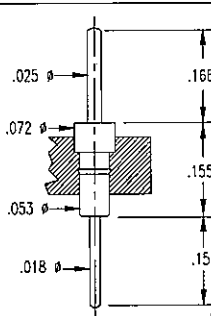
### Terminal Style

(Choose from selections below)

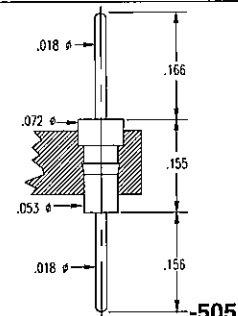
**Total Number of Pins**  
 (Choose from pages 19-21)



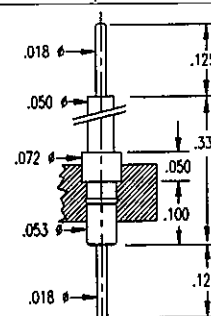
-210



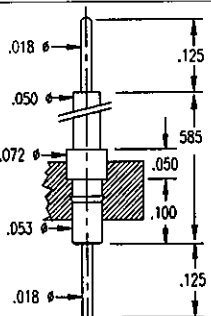
-290



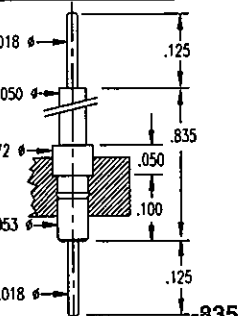
-505



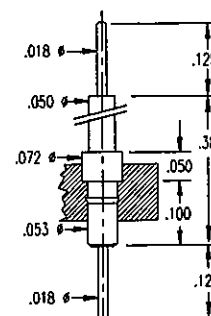
-335



-585



-835



-385

Note: All dimensions are in inches



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## Series 15A

### DESCRIPTION

This series is available in standard and custom configurations. Both are made in Glass-filled Polyester and Glass Epoxy. There are many footprints to choose from.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester and Glass Epoxy

**Flammability Rating:** UL 94V-O

**Operating Temperature:** -76°F to +284°F (Glass Epoxy) and -65°C to +125°C (Plastic)

**Shell Material:** Brass

**Contact Material:** BeCu

**Shell Plating:** Tin over Nickel

and Gold over Nickel

**Contact Plating:** Tin over Nickel and Gold over Nickel

**Lead Size Range:** .015" to .022"

**Note:** -12 Terminal style is BeCu One Piece PINTO PIN. Available for 37 x 37 and 39 x 39 only.

Note: All dimensions are in inches

## Interstitial PGA Sockets

15A - 37 - 296 - 14 - T - G

**Series**

15A - Plastic

15AE - Glass Epoxy

**Grid Size**

(Choose from footprints)

**Contact Plating**

G - 10μ" Gold

T - 150μ" Tin

**Shell Plating**

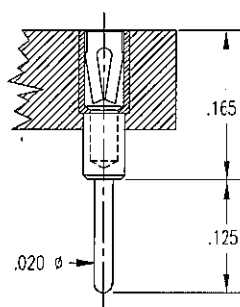
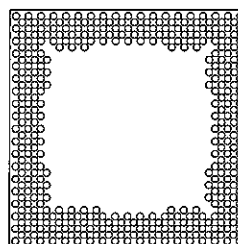
G - 10μ" Gold

T - 150μ" Tin

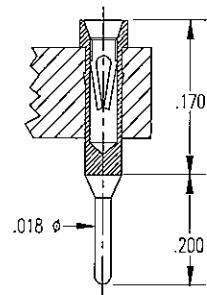
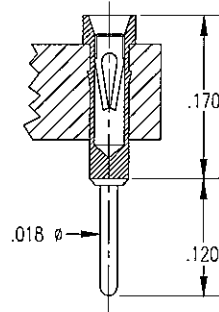
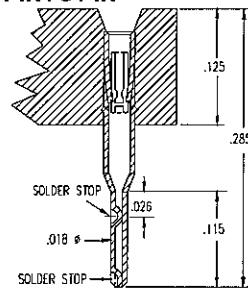
**Terminal Style**

(Choose from selections below)

**Total Number of Pins**  
(Choose from page 22)



### PINTO PIN



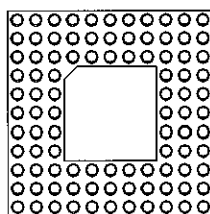
**ELPAKCO, INC.**

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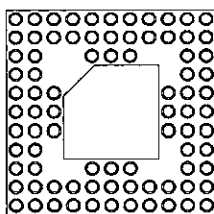
# Series 15

# PGA Footprints

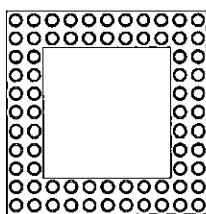
11 x 11



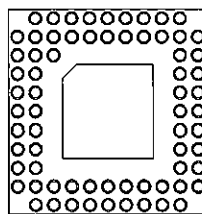
96



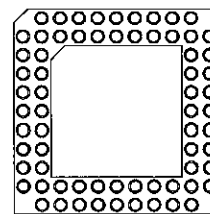
84



72A

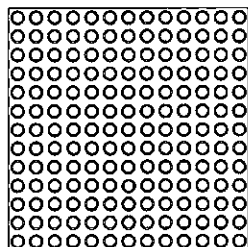


69

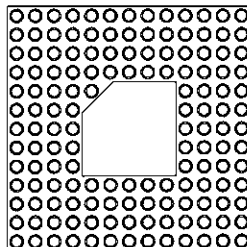


68

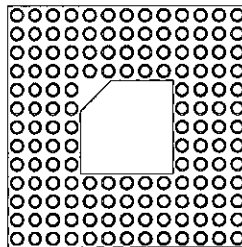
13 x 13



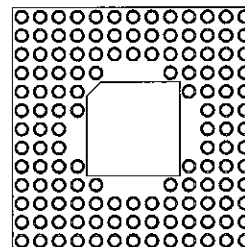
169



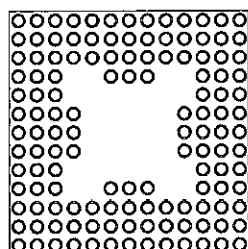
145



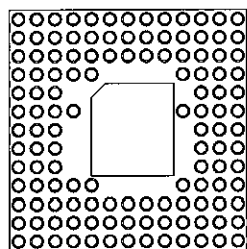
144



133

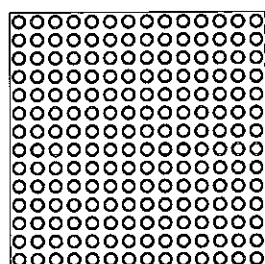


132

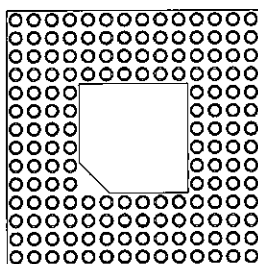


128

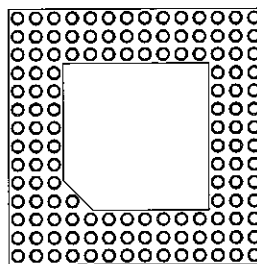
14 x 14



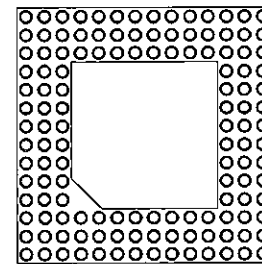
196



160

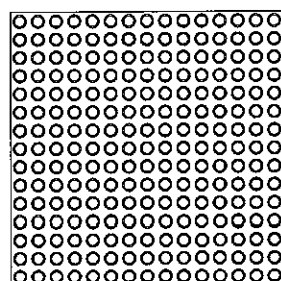


133

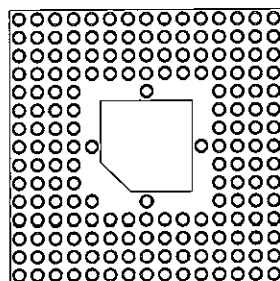


132

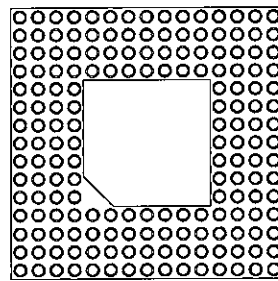
15 x 15



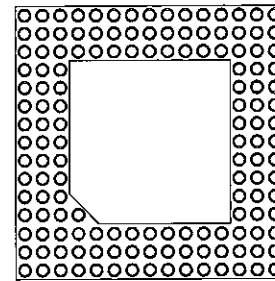
225



181



176



145



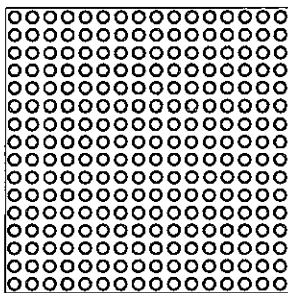
**ELPAKCO, INC.**

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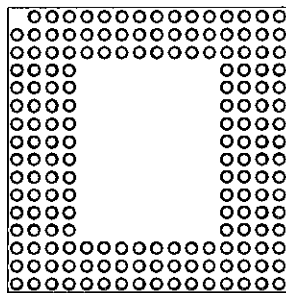
# Series 15

# PGA Footprints

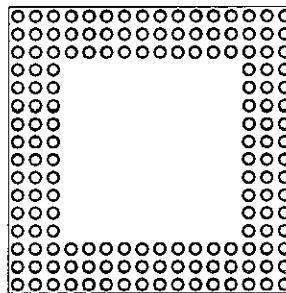
16 x 16



256

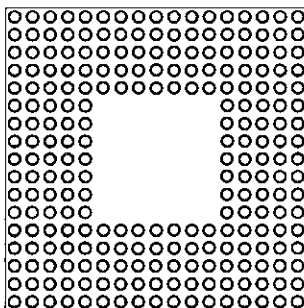


175

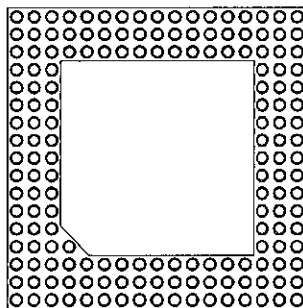


256

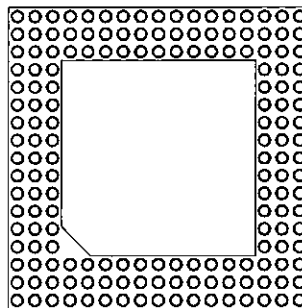
17 x 17



240

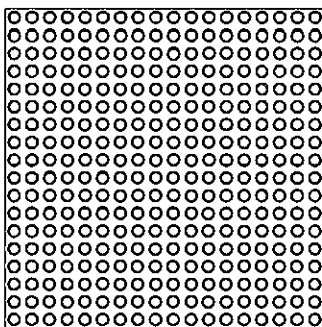


169

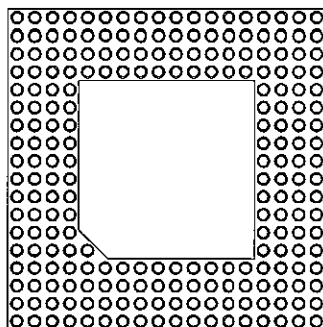


168

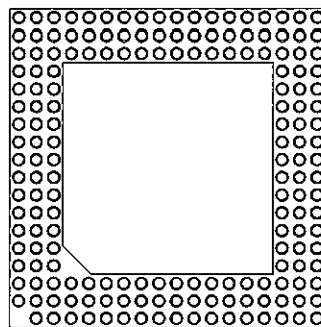
18 x 18



324

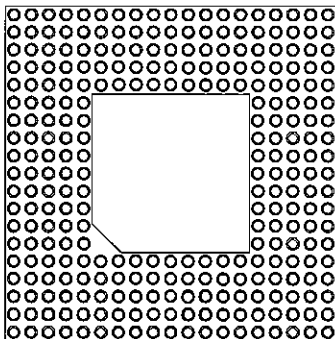


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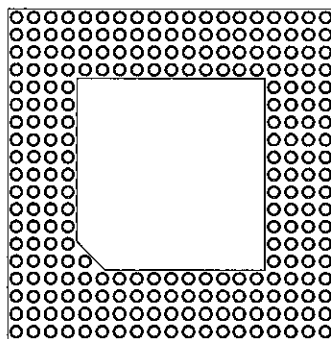


179

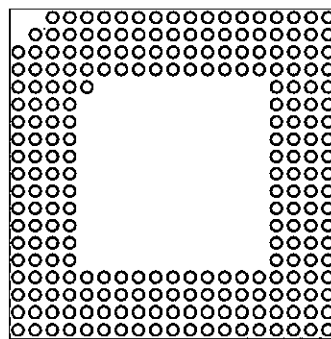
19 x 19



280



257



238



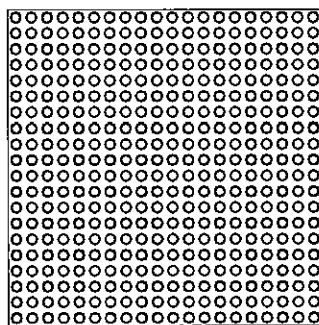
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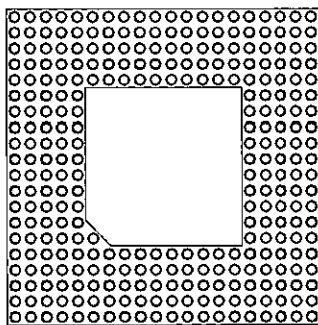
# Series 15

# PGA Footprints

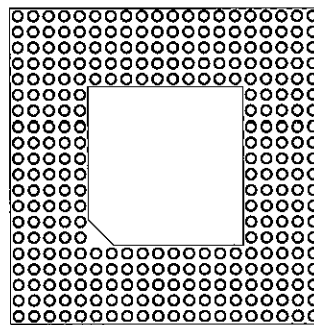
20 x 20



400

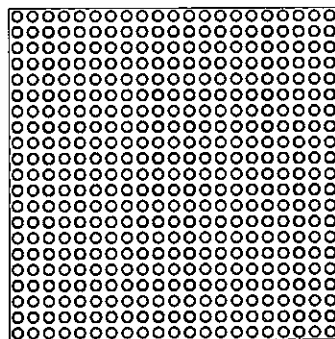


301

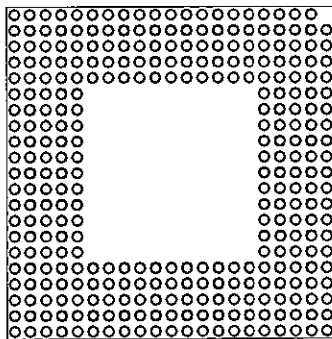


300

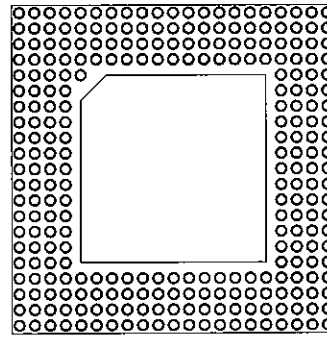
21 x 21



441

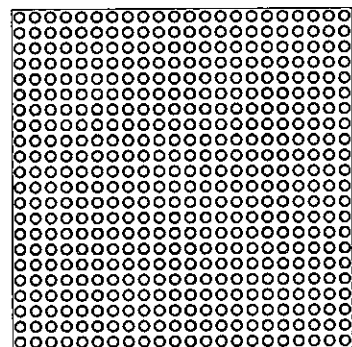


319

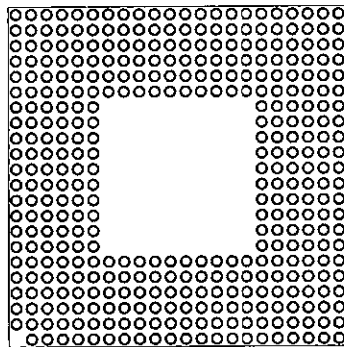


273

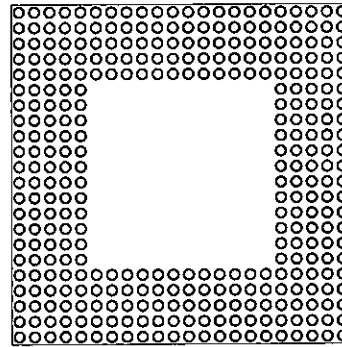
22 x 22



404



383



340



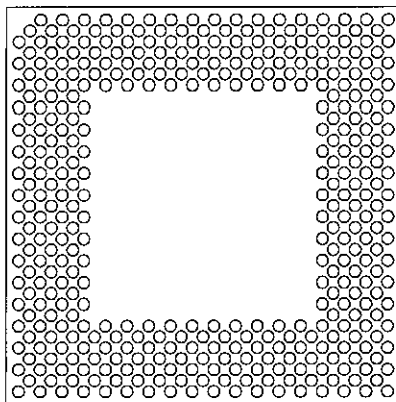
**ELPAKCO, INC.**

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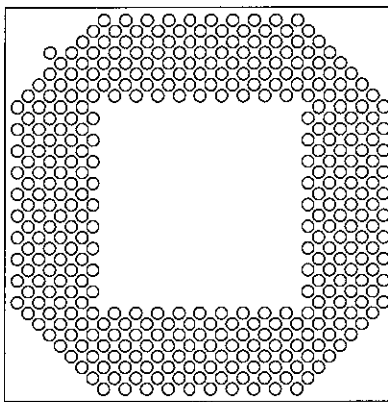
## Series 15

## Interstitial PGA Footprints

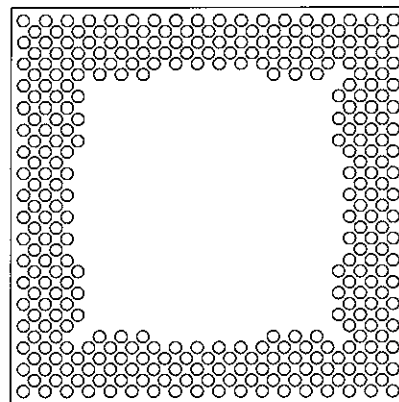
35 x 35



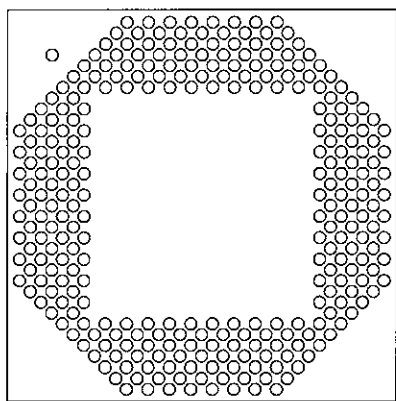
391



369

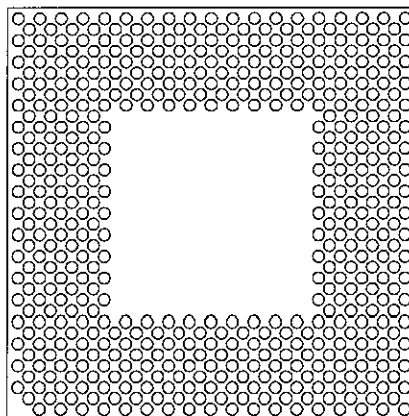


325

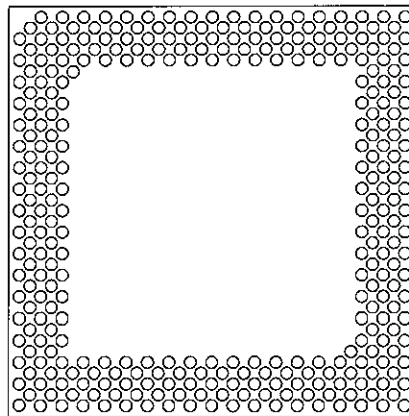


293

37 x 37

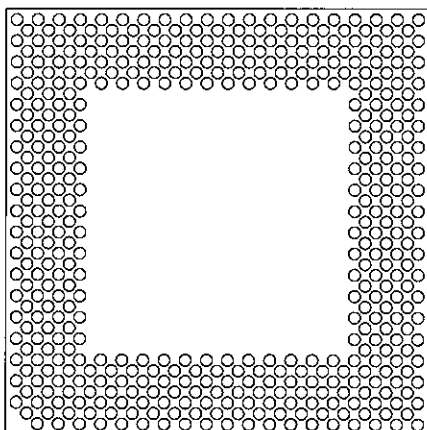


503

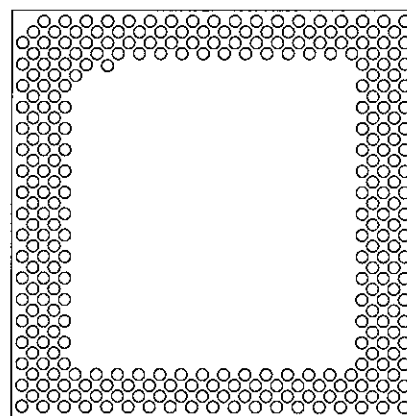


321

39 x 39



447



296



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## Series 18

### DESCRIPTION

All insulators are end-to-end and side-to-side stackable.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester

**Flammability Rating:** UL 94V-O

**Operating Temperature:** -55°C to +125°C

**Pin Material:** Brass

**Pin Plating:** Tin over Nickel and Gold over Nickel

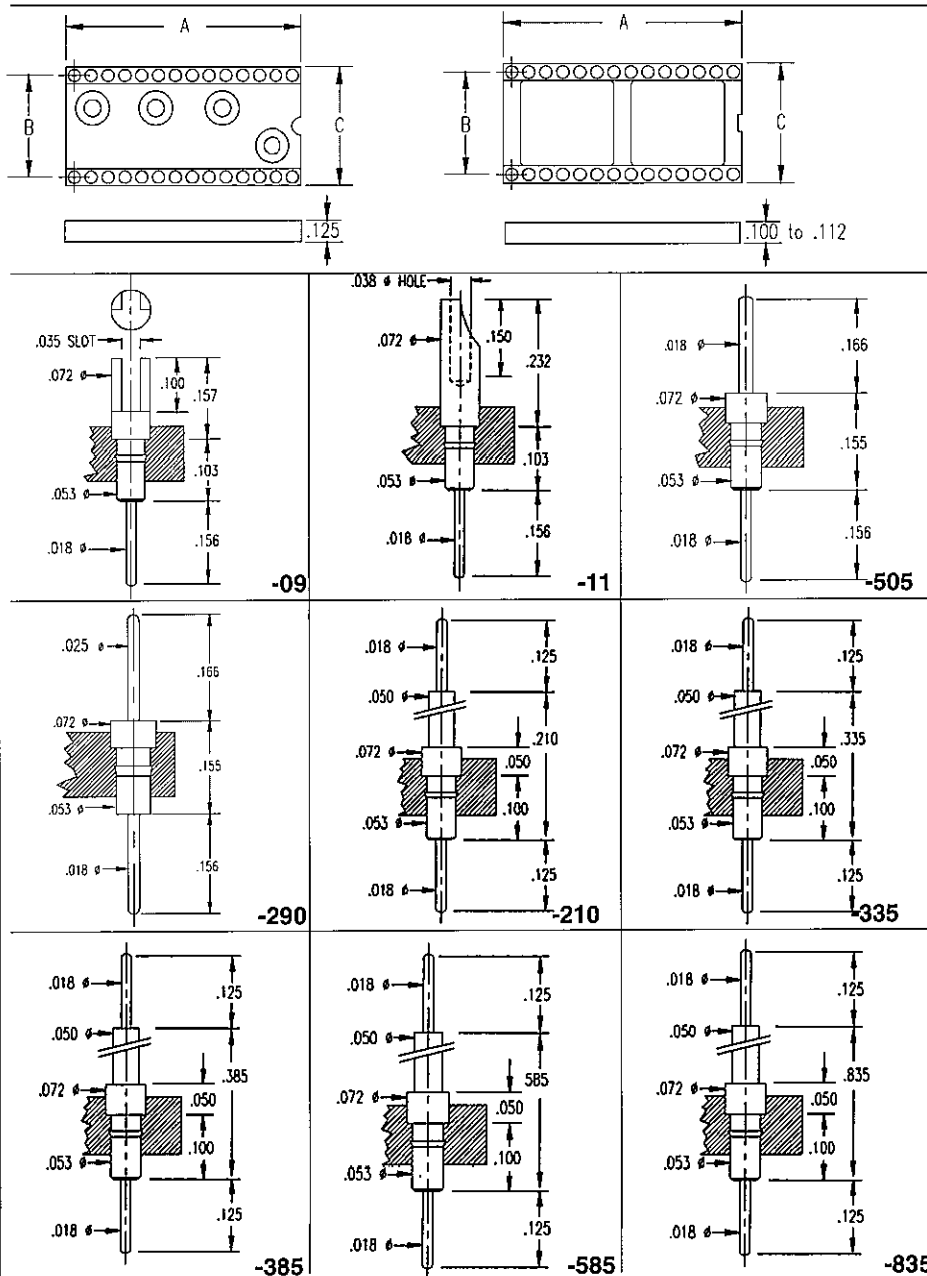
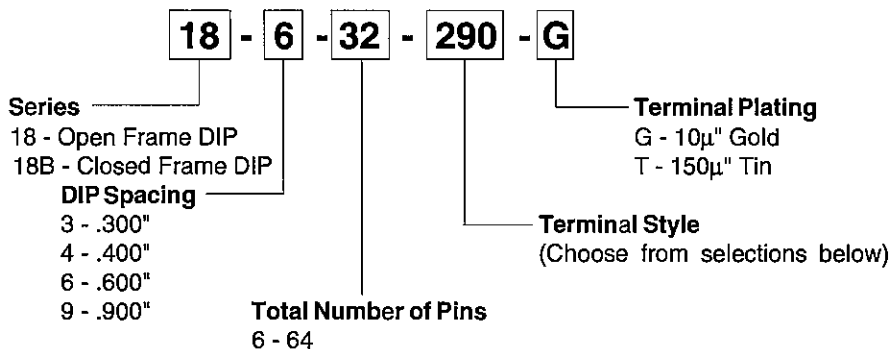
**Thickness:** .100" to .112" for open frame only

### DIMENSIONS

| No. of Pins | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 6           | .300 |      |      |
| 8           | .400 |      |      |
| 10          | .500 |      |      |
| 14          | .700 |      |      |
| 16          | .800 | .300 | .400 |
| 18          | .900 |      |      |
| 20          | 1.00 |      |      |
| 22          | 1.10 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 22          | 1.10 | .400 | .500 |
| 24          | 1.20 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 32          | 1.60 |      |      |
| 36          | 1.80 | .600 | .700 |
| 40          | 2.00 |      |      |
| 48          | 2.40 |      |      |
| 50          | 2.50 |      |      |
| 52          | 2.60 | .900 | 1.00 |
| 64          | 3.20 |      |      |

Note: All dimensions are in inches

## Adaptor Sockets



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## Series 19

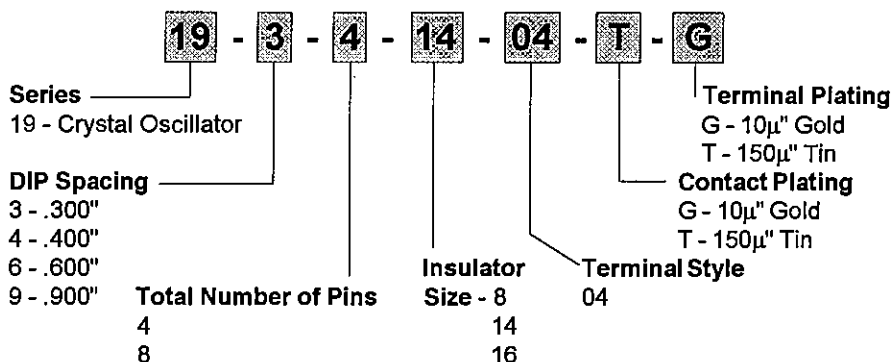
### DESCRIPTION

Series 19 is available in custom configurations. The precision screw-machine outer shell and the four-finger BeCu inner contact allow for easy IC insertion.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester  
**Flammability Rating:** UL 94V-O  
**Operating Temperature:** -55°C to +125°C  
**Shell Material:** Brass  
**Contact Material:** BeCu  
**Shell Plating:** Tin over Nickel and Gold over Nickel  
**Contact Plating:** Tin over Nickel and Gold over Nickel  
**Lead Size Range:** .015" to .022" diameters  
 Note: All dimensions are in inches

## Crystal Oscillator Sockets



## Series SD

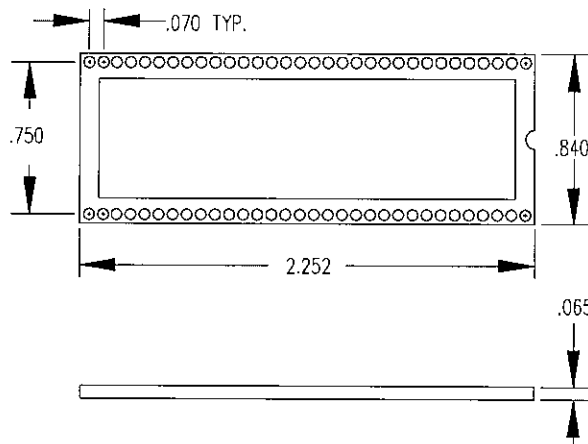
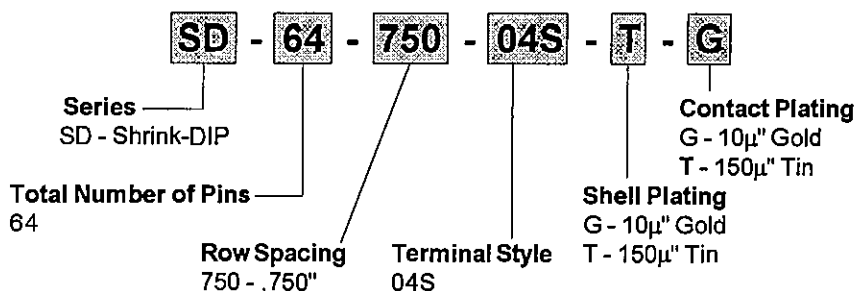
### DESCRIPTION

Series SD is available in a 64-position format. The Shrink-DIP socket insulator has an open frame design.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester  
**Flammability Rating:** UL 94V-O  
**Operating Temperature:** -65°C to +125°C  
**Shell Material:** Brass  
**Contact Material:** BeCu  
**Shell Plating:** Tin over Nickel and Gold over Nickel  
**Contact Plating:** Tin over Nickel and Gold over Nickel  
**Lead Size Range:** .015" to .022" diameters  
 Note: All dimensions are in inches

## Shrink-DIP Sockets



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## Series 20

### DESCRIPTION

All insulators are end-to-end and side-to-side stackable. Series 20 is available in sizes 6 to 64 in both open and closed frame. The precision screw-machine outer shell and the four-finger BeCu inner contact allow for easy IC insertion. A variety of stand-off heights are available.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester

**Flammability Rating:** UL94V-O

**Operating Temperature:** -55°C to +125°C

**Shell Material:** Brass

**Contact Material:** BeCu

**Shell Plating:** Tin over Nickel and Gold over Nickel

**Contact Plating:** Tin over Nickel and Gold over Nickel

**Lead Size Range:** .015" to .022"

### DIMENSIONS

| No. of Pins | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 6           | .300 |      |      |
| 8           | .400 |      |      |
| 10          | .500 |      |      |
| 14          | .700 |      |      |
| 16          | .800 | .300 | .400 |
| 18          | .900 |      |      |
| 20          | 1.00 |      |      |
| 22          | 1.10 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 22          | 1.10 | .400 | .500 |
| 24          | 1.20 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 32          | 1.60 |      |      |
| 36          | 1.80 | .600 | .700 |
| 40          | 2.00 |      |      |
| 48          | 2.40 |      |      |
| 50          | 2.50 |      |      |
| 52          | 2.60 | .900 | 1.00 |
| 64          | 3.20 |      |      |

Note: All dimensions are in inches

## Elevated Sockets

20 - 6 - 28 - 21 - T - G

### Series

20 - Open Frame DIP

20B - Closed Frame DIP

### DIP Spacing

3 - .300"

4 - .400"

6 - .600"

9 - .900"

### Terminal Plating

G - 10μ" Gold

T - 150μ" Tin

### Terminal Plating

G - 10μ" Gold

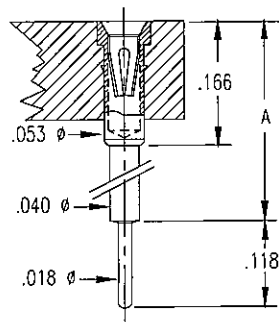
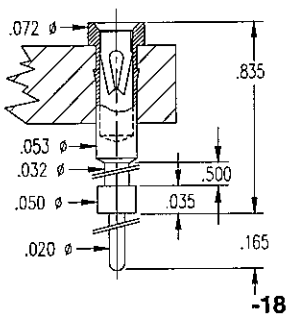
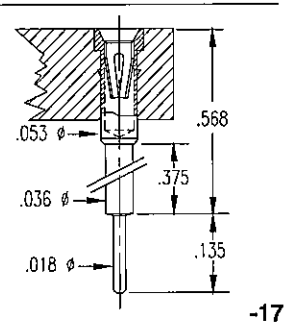
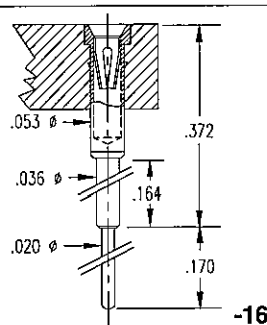
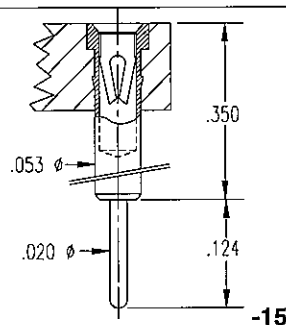
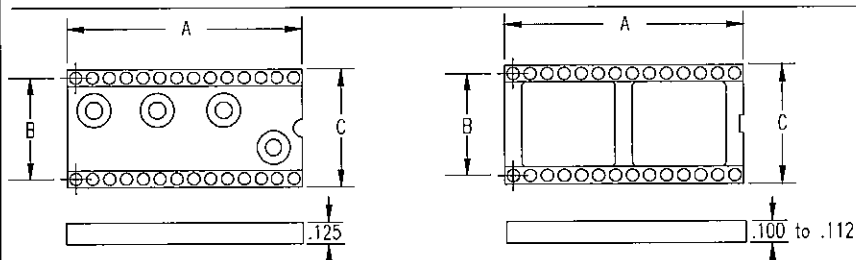
T - 150μ" Tin

### Terminal Style

(Choose from selections below)

### Total Number of Pins

6 - 64



| TYPE | 'A'  |
|------|------|
| -19  | .236 |
| -20  | .315 |
| -21  | .402 |
| -22  | .472 |
| -23  | .594 |
| -24  | .699 |

-19 to -24



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**.050" X .050"**

## Pinto Pin Socket Strips & 1066 Headers

### DESCRIPTION

Elpakco's unique low cost PINTO PIN has been designed as a low insertion force\* one-piece three-finger Beryllium Copper pin. The head diameter is only .034" which makes the PINTO PIN an ideal component for Interstitial, Shrink-DIP and 2mm spacing applications. This one-piece pin is available in a variety of plating options which include Gold and Tin.

The spacing is on a .050" grid. The PINTO PIN socket strips will accept lead sizes .015" to .022" diameters as well as .016" square. **The two socket types can be mated together to obtain a desired board-to-board height of .265".** These .050" spacing socket/header strips can withstand Solder Reflow, Infused and Vapor Phase processes.

### SPECIFICATIONS

**Insulator Material:** Stanyl 46  
Nylon TE 250F6 Rated to  
UL94V-0

**Process Temperature:** -65°C to  
+125°C

**Pin Material:** One Piece Beryllium  
Copper per QQ-C-530

**Gold:** Per MIL-G-45204

**Tin:** Per MIL-T-10727

**Nickel:** Per QQ-N-290

**Lead Size Range:** .015" to .022"  
diameters

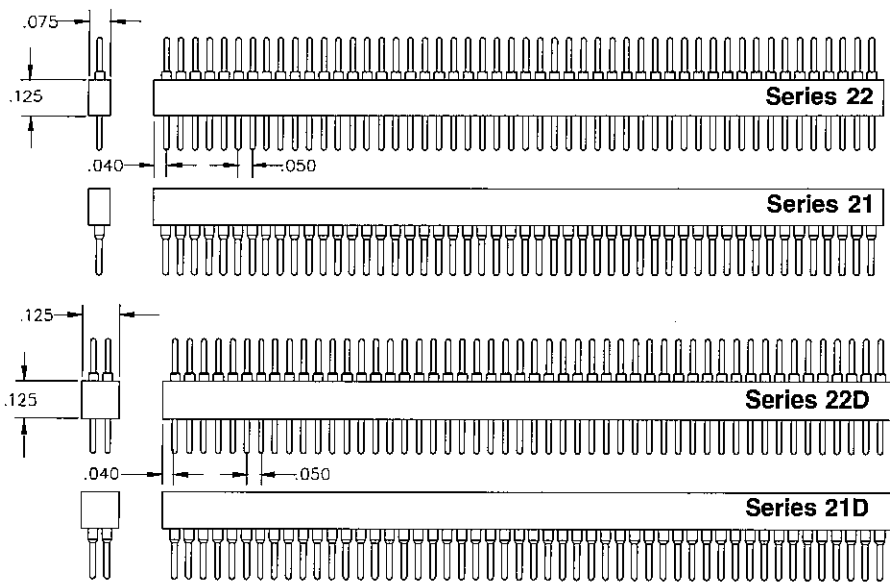
**Insertion Force:** 20g Avg.

Note: All dimensions are in inches

**.050" x .050"**  
**Grid**

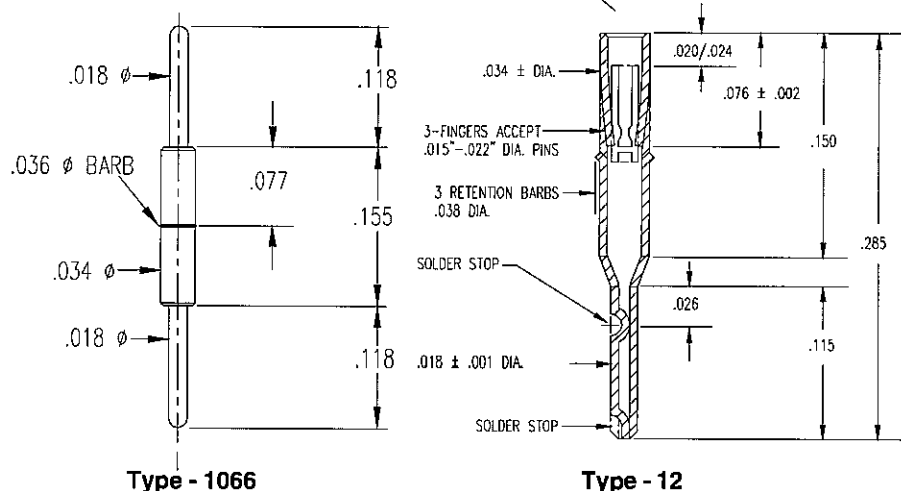
|                             |                                 |
|-----------------------------|---------------------------------|
| <b>21 - 50 - 12 - G</b>     |                                 |
| <b>Series</b>               | <b>Pin Plating</b>              |
| 21 - Single Row Strip       | G - 10μ" Gold over 150μ" Nickel |
| 21D - Dual Row Strip        | T - 200μ" Tin over 150μ" Nickel |
| 22 - Single Row Header      |                                 |
| 22D - Dual Row Header       | <b>Terminal Style</b>           |
|                             | 12 - Pinto Pin Socket           |
| <b>Total Number of Pins</b> | 1066 - Header Pin               |
| 1-50 (Single Row)           |                                 |
| 2-100 (Dual Row)            |                                 |

### Insulator Drawings



### Terminal Styles

Insertion Force - 20g Avg. with .018Ø Pin



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## Series SMC

## Decoupling Capacitor Sockets

### DESCRIPTION

The Surface Mount Decoupling capacitor sockets are available in a number of different sizes. The ground plane web covers the entire surface. The capacitors are soldered directly to the VCC and GND pads. The precision screw-machine outer shell and the four-finger BeCu inner contacts allow for easy IC insertion.

### SPECIFICATIONS

**Insulator Material:** Glass Epoxy Laminate

**Flammability Rating:** UL 94V-O

**Operating Temperature:** -55°C to +125°C

**Thickness:** .062"

**Shell Material:** Brass

**Contact Material:** BeCu

**Shell Plating:** Tin over Nickel and Gold over Nickel

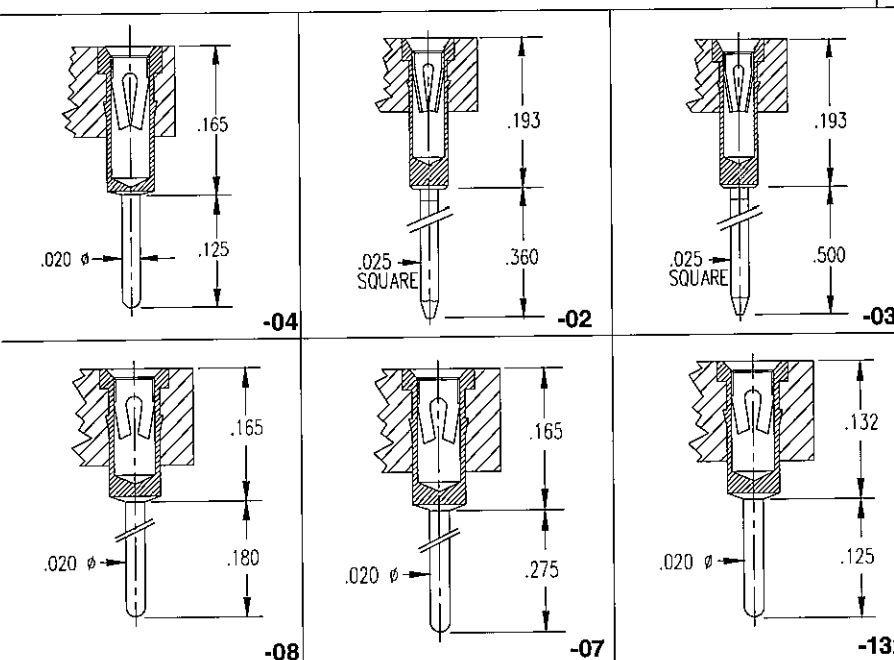
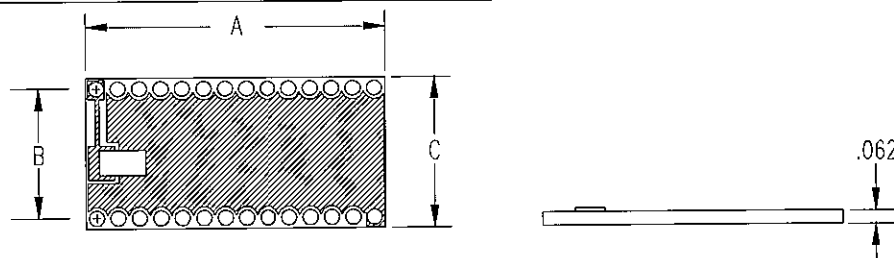
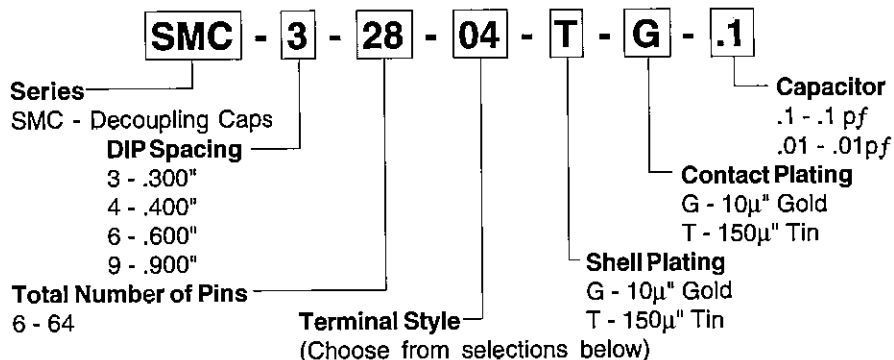
**Contact Plating:** Tin over Nickel and Gold over Nickel

**Lead Size Range:** .015" to .022"

### DIMENSIONS

| No. of Pins | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 6           | .300 |      |      |
| 8           | .400 |      |      |
| 10          | .500 |      |      |
| 14          | .700 |      |      |
| 16          | .800 | .300 | .400 |
| 18          | .900 |      |      |
| 20          | 1.00 |      |      |
| 22          | 1.10 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 22          | 1.10 | .400 | .500 |
| 24          | 1.20 |      |      |
| 24          | 1.20 |      |      |
| 28          | 1.40 |      |      |
| 32          | 1.60 |      |      |
| 36          | 1.80 | .600 | .700 |
| 40          | 2.00 |      |      |
| 48          | 2.40 |      |      |
| 50          | 2.50 |      |      |
| 52          | 2.60 | .900 | 1.00 |
| 64          | 3.20 |      |      |

Note: All dimensions are in inches



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## Series ZZ

### DESCRIPTION

Elpakco Series ZZ is available in any size. Series 20 is also available in a removable carrier design. Call the factory for more details on special designs. The precision screw-machine outer shell and the four-finger BeCu inner contact allow for easy IC insertion.

### SPECIFICATIONS

**Insulator Material:** Glass Epoxy Laminate

**Flammability Rating:** UL 94V-O

**Operating Temperature:** -55°C to +125°C

**Shell Material:** Brass

**Contact Material:** BeCu

**Shell Plating:** Tin over Nickel and Gold over Nickel

**Contact Plating:** Tin over Nickel and Gold over Nickel

**Lead Size Range:** .015" to .022"

### DIMENSIONS

| No. of Pins | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 14          | .600 | .700 | .100 |
| 16          | .700 | .800 |      |
| 18          | .800 | .900 |      |
| 20          | .900 | 1.00 |      |
| 24          | 1.10 | 1.20 |      |
| 28          | 1.30 | 1.40 |      |
| 40          | 1.90 | 2.00 |      |
| 60          | 2.90 | 3.00 |      |

Note: All dimensions are in inches

## Zig Zag Sockets

**ZZ - 18 - 04 - T - G**

**Series**  
ZZ - Zig Zag Sockets

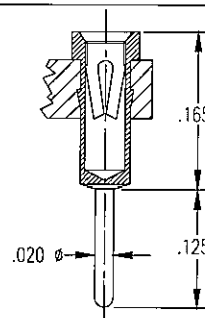
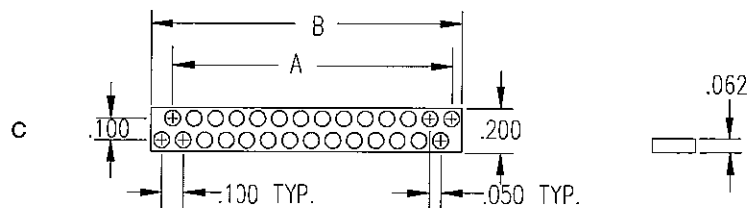
**Total Number of Pins**

|    |    |
|----|----|
| 14 | 28 |
| 16 | 40 |
| 18 | 60 |
| 20 |    |
| 24 |    |

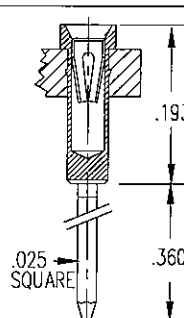
**Contact Plating**  
G - 10μ" Gold  
T - 150μ" Tin

**Shell Plating**  
G - 10μ" Gold  
T - 150μ" Tin

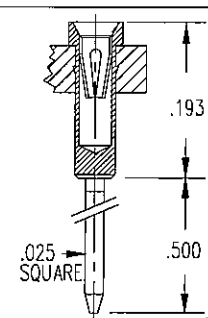
**Terminal Style**  
(Choose from selections below)



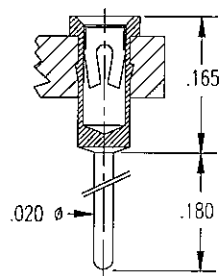
-04



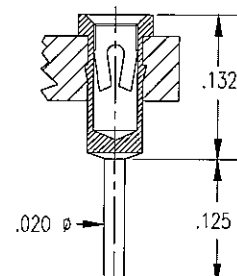
-02



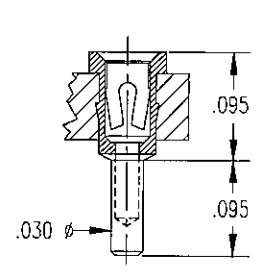
-03



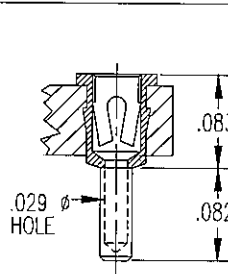
-08



-132

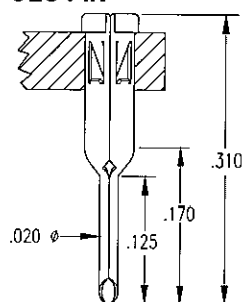


-451



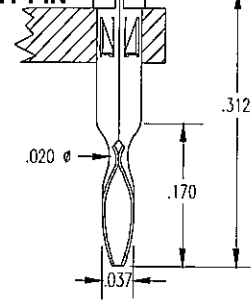
-83

### POLO PIN



-98

### PONY PIN



-99 Press-fit in .030 ± .003



**ELPAKCO, INC.**

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## Series RA

## Right Angle LED Sockets

### DESCRIPTION

Series RA is available in Glass-filled Polyester insulators. The Precision terminals are plated with Tin shells and Gold contacts. Other varieties are available upon request.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester  
**Flammability Rating:** UL 94V-O  
**Operating Temperature:** -65°C to +125°C  
**Shell Material:** Brass  
**Contact Material:** BeCu  
**Shell Plating:** Tin over Nickel  
**Contact Plating:** Gold over Nickel  
**Lead Size Range:** .015" to .022" diameters

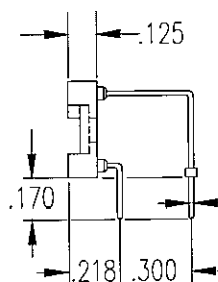
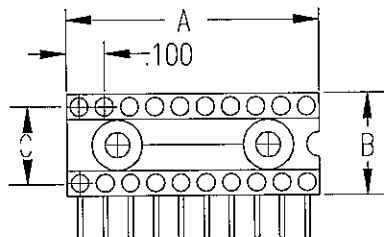
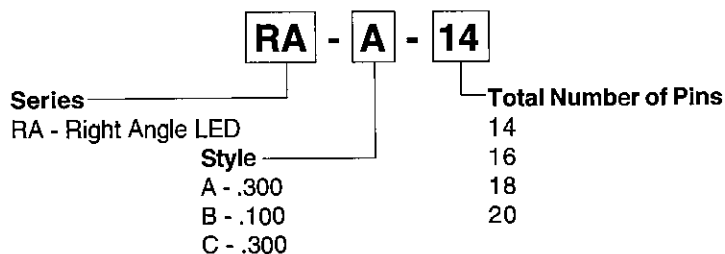
### DIMENSIONS (Style A & B)

| No. of Pins | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 14          | .700 | .400 | .300 |
| 16          | .800 | .400 | .300 |
| 18          | .900 | .400 | .300 |
| 20          | 1.00 | .400 | .300 |
| 28          | 1.40 | .400 | .300 |

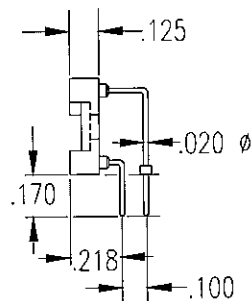
### DIMENSIONS (Style C)

| No. of Pins | 'A'  | 'B'  | 'C'  |
|-------------|------|------|------|
| 28          | 1.40 | .700 | .600 |
| 32          | 1.60 | .700 | .600 |
| 40          | 2.00 | .700 | .600 |

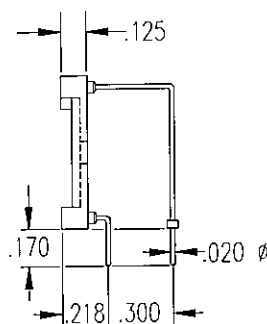
Note: All dimensions are in inches



Style - A (.300 DIP Spacing)



Style - B (.300 DIP Spacing)



Style - C (.600 DIP Spacing)



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## Series MS

### DESCRIPTION

The series MS mates with Elpakco .025" square posts pin headers, (Series PH). There are five choices. The standard color is Black.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester

**Flammability Rating:** UL 94V-O  
**Operating Temperature:** -65°C to +125°C

**Contact Material:** Phosphor Bronze

**Contact Plating:** Gold over Nickel and Tin over Nickel

Note: All dimensions are in inches

## Mini Shunts

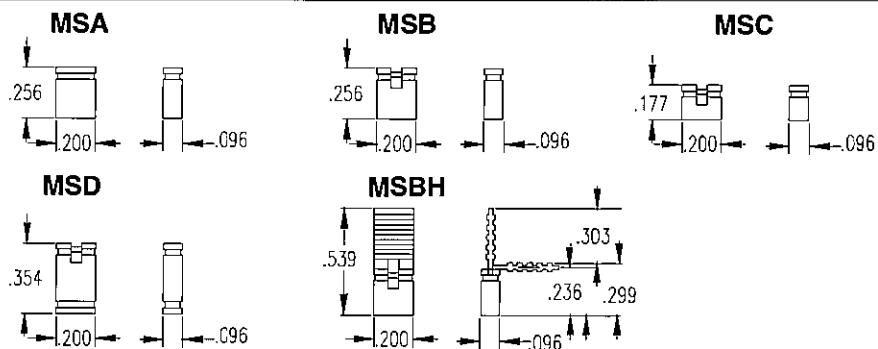
**MSA - G**

### Series

MSA - Mini, Closed Top  
MSB - Mini, Open Top, Stackable  
MSC - Micro, Open Top, Stackable  
MSD - Double Ended  
MSBH - Mini, Open Top with Handle

### Contact Plating

G - Gold Flash  
T - 150µ" Tin



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## Series PH

## .025" Square Post Pin Header

### DESCRIPTION

The Elpakco Pin headers have molded in stand-offs. They are available in single, dual and triple rows on .100" centers. Series PH is end-to-end stackable on .100" centers. This series mates with Elpakco series RS.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester

**Flammability Rating:** UL94V-O

**Operating Temperature:** -55°C to +125°C

**Pin Material:** Copper Alloy

**Pin Plating:** Tin over Nickel and Gold over Nickel

PH - PH1 - 040 - U - A

#### Series

PH - Pin Headers

#### Rows

PH1 - Single, Straight  
PH2 - Dual, Straight  
PH3 - Triple, Straight  
P1A - Single, Right Angle  
P2A - Dual, Right Angle  
P3A - Triple, Right Angle

#### Pin Length

A - C=.240"

D=.120"

B - C=.318"

D=.135"

#### Pin Plating

U - 10μ" Gold

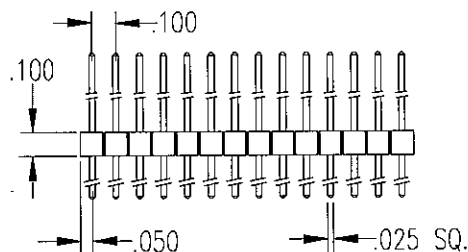
T - 150μ" Tin

#### Total Number of Pins

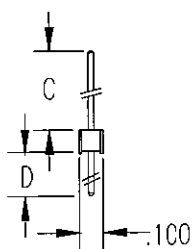
1 - 40 - Single Row

4 - 80 - Dual Row

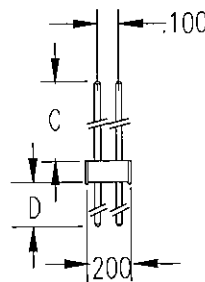
6 - 120 - Triple Row



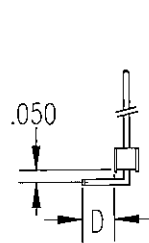
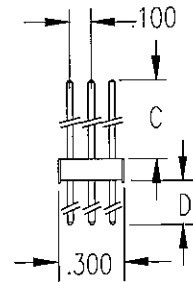
PH1



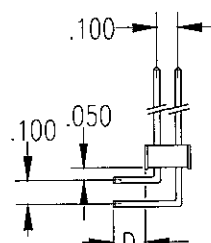
PH2



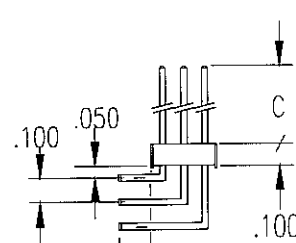
PH3



P1A



P2A



P3A

Note: All dimensions are in inches



**ELPAKCO, INC.**

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## Series 38

## 108 - Pin Male and Female Connectors

### DESCRIPTION

The 108-pin connectors are available in both straight and right angle types. The body is made from a Glass-filled Polyester thermoplastic. The polarization slots cause good positive registration. Gold plated pins allow for good wire wrapping. The closed entry socket prevents accidental mating with larger contacts. The chamfered pins allow for easy mating.

### SPECIFICATIONS

**Insulator Material:** Glass-filled Polyester

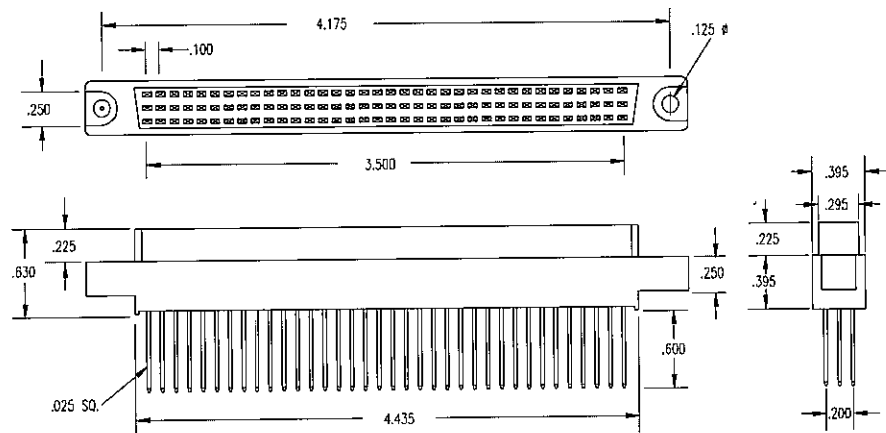
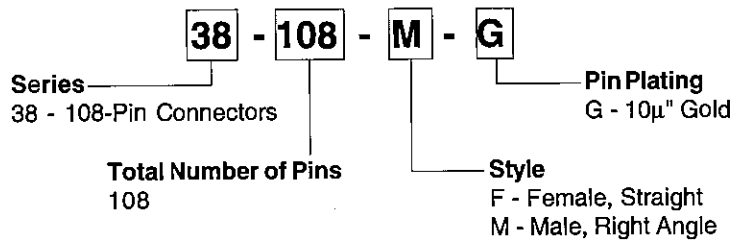
**Flammability Rating:** UL 94V-O

**Color:** Black

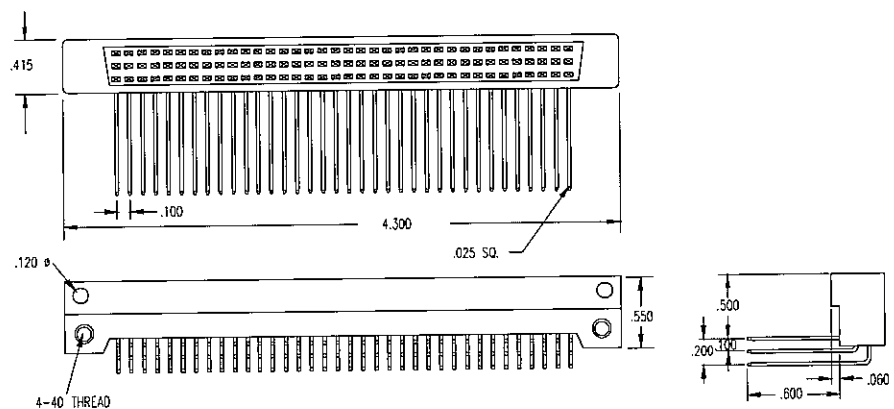
**Operating Temperature:** -55°C to +125°C

**Contact Material:** Brass

**Contact Plating:** Gold over Nickel



P/N: 38-108-F-G



P/N: 38-108-M-G

Note: All dimensions are in inches



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## Terminals

### SPECIFICATIONS

**Terminal Material:** Brass Alloy  
360 1/2 Hard, .025 thick  
**Terminal Plating:** 10 $\mu$ " Gold over  
50 $\mu$ " Nickel or 200 $\mu$ " Tin over  
100 $\mu$ " Nickel  
**Tolerances:** Lengths -  $\pm .005$   
Diameters -  $\pm .002$   
Angles - 2°  
**Range:** Press-fit into .035 Mtg.  
Hole

Note: All Dimension are in inches

### SPECIFICATIONS

**Terminal Material:** Brass Alloy  
360, 1/2 Hard, .025 thick  
**Terminal Plating:** 10 $\mu$ " Gold over  
50 $\mu$ " Nickel or 200 $\mu$ " Tin over  
100 $\mu$ " Nickel  
**Tolerances:** Lengths -  $\pm .005$   
Diameters -  $\pm .002$   
Angles - 2°  
**Range:** Press-fit into .035 Mtg.  
Hole

Note: All Dimension are in inches

### SPECIFICATIONS

**Terminal Material:** Brass Alloy  
360, 1/2 Hard, .025 thick  
**Terminal Plating:** 10 $\mu$ " Gold over  
50 $\mu$ " Nickel or 200 $\mu$ " Tin over  
100 $\mu$ " Nickel  
**Tolerances:** Lengths -  $\pm .005$   
Diameters -  $\pm .002$   
Angles - 2°  
**Range:** Press-fit into .035 Mtg.  
Hole

Note: All Dimension are in inches

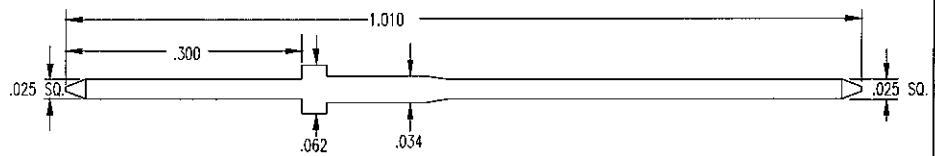
### SPECIFICATIONS

**Terminal Material:** Brass Alloy  
360, 1/2 Hard  
**Terminal Plating:** 10 $\mu$ " Gold over  
50 $\mu$ " Nickel or 200 $\mu$ " Tin over  
100 $\mu$ " Nickel  
**Tolerances:** Lengths -  $\pm .005$   
Diameters -  $\pm .002$   
Angles - 2°  
**Range:** Press-fit into .037 Mtg.  
Hole

Note: All Dimension are in inches

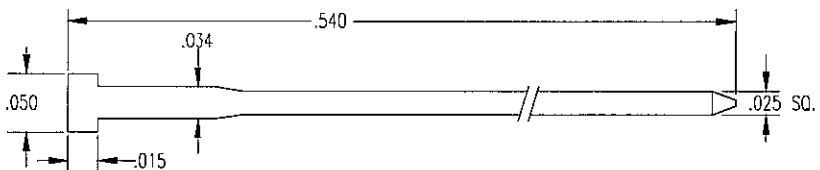
## Stamped Terminals

SP1-X



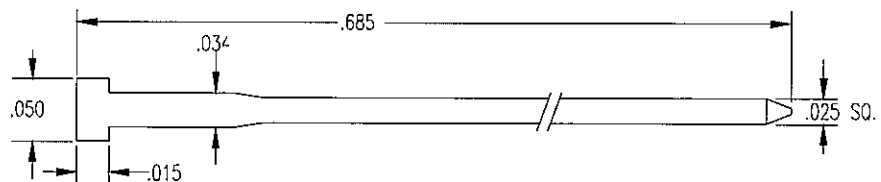
Plating Options: G - Gold and T- Tin

SP2-X



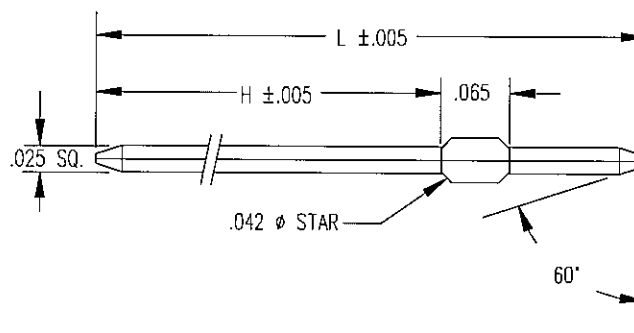
Plating Options: G - Gold and T- Tin

SP3-X



Plating Options: G - Gold and T- Tin

82S-3-F-H-L



Basic P/N  
Crimp  
3 - Star  
1 - No Star  
Plating  
F - Tin  
G - Gold  
Above Board Height  
Total Length



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## Terminals

### SPECIFICATIONS

**Terminal Material:** Phosphor Bronze

**Terminal Plating:** 10 $\mu$ " Gold over 50 $\mu$ " Nickel or 200 $\mu$ " Tin over 100 $\mu$ " Nickel

**Tolerances:** Lengths -  $\pm .005$   
Diameters -  $\pm .002$   
Angles - 2°

**Range:** Press-fit into .021 Mtg. Hole

### SPECIFICATIONS

**Terminal Material:** Phosphor Bronze

**Terminal Plating:** 10 $\mu$ " Gold over 50 $\mu$ " Nickel or 200 $\mu$ " Tin over 100 $\mu$ " Nickel

**Tolerances:** Lengths -  $\pm .005$   
Diameters -  $\pm .002$   
Angles - 2°

**Range:** Press-fit into .021 Mtg. Hole

### SPECIFICATIONS

**Terminal Material:** Phosphor Bronze

**Terminal Plating:** 10 $\mu$ " Gold over 50 $\mu$ " Nickel or 200 $\mu$ " Tin over 100 $\mu$ " Nickel

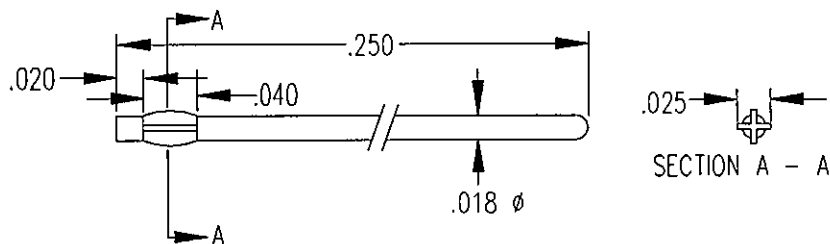
**Tolerances:** Lengths -  $\pm .005$   
Diameters -  $\pm .002$   
Angles - 2°

**Range:** Press-fit into .021 Mtg. Hole

Note: All Dimension are in inches

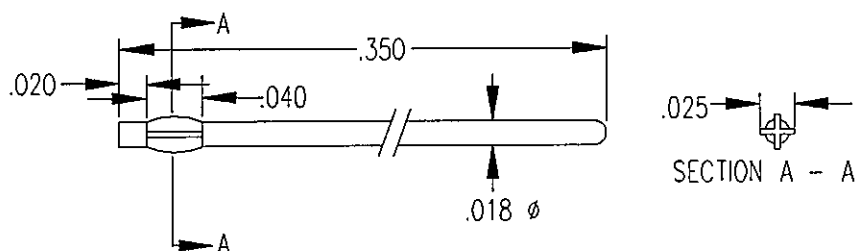
## Crimped Terminals

E0250



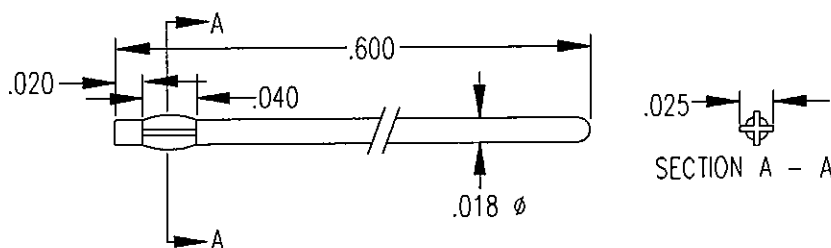
Plating Options: G - Gold and T - Tin

E0350



Plating Options: G - Gold and T - Tin

E0600



Plating Options: G - Gold and T - Tin



**ELPAKCO, INC.**

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## Connectors

### SPECIFICATIONS

**Insulator Material:** Polypropylene

**Flammability Rating:** UL 94V-O

**Pin Material:** Brass

**Pin Plating:** Gold over Copper

### DIMENSIONS

| P/N      | 'A'  |
|----------|------|
| E2871-01 | .200 |
| E2871-02 | .250 |
| E3771-01 | .400 |
| E3771-02 | .500 |
| E2872-01 | .200 |
| E2872-02 | .250 |
| E2872-03 | .300 |
| E2872-04 | .400 |
| E2872-05 | .500 |
| E3360-01 | .200 |
| E3360-02 | .250 |
| E3360-03 | .300 |
| E3360-04 | .400 |
| E3360-05 | .500 |

Note: All dimensions are in inches

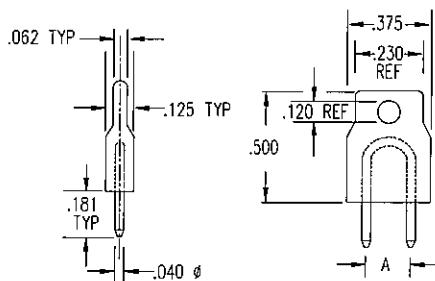
## Shorting Plugs

**E2871 - 02 - G - 10**

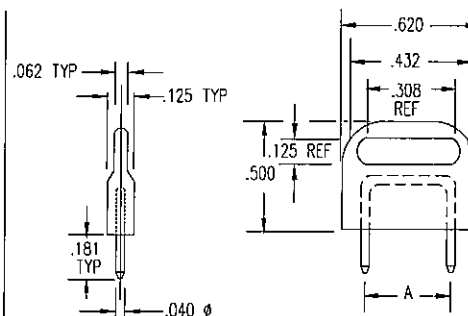
**Series**  
Basic P/N

**Pin Plating**  
G - 10μ" Gold

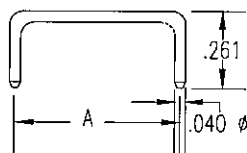
**Insulation Color**  
10 - Black  
12 - Red  
16 - Blue



#E2871

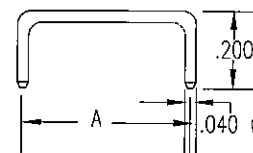


#E3771



#E2872

Non-Insulated



#E3360

Non-Insulated

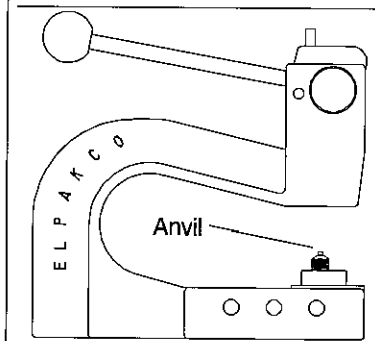
## Swager

### SPECIFICATIONS

**Swager Material:** Cast Iron

**Swager:** Manual pressure cam action with a 5" throat depth.

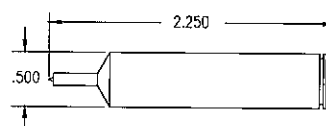
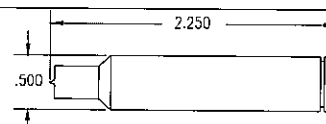
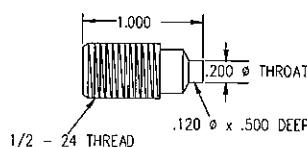
Call the factory for Anvil & Punch sizes.



## Terminal Swager

**SW1**

**Series**  
SW1 - Terminal Swager



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## Connectors

### SPECIFICATIONS

**Insulator Material:** Teflon

**Pin Material:** Beryllium Copper  
Heat Treated (Hour Glass Type)

**Pin Plating:** Gold over Nickel or  
Tin over Nickel

**For Panel Thickness:** .031 to  
.125

**Capacitance (pF):** 1.0

**.172 Mtg. Hole Dia.  
for .080 Dia. Pins**

Note: All dimensions are in inches

## Teflon Press Mount Style Jacks

**4286 - G - 19**

### Series

4286 - Basic Part Number

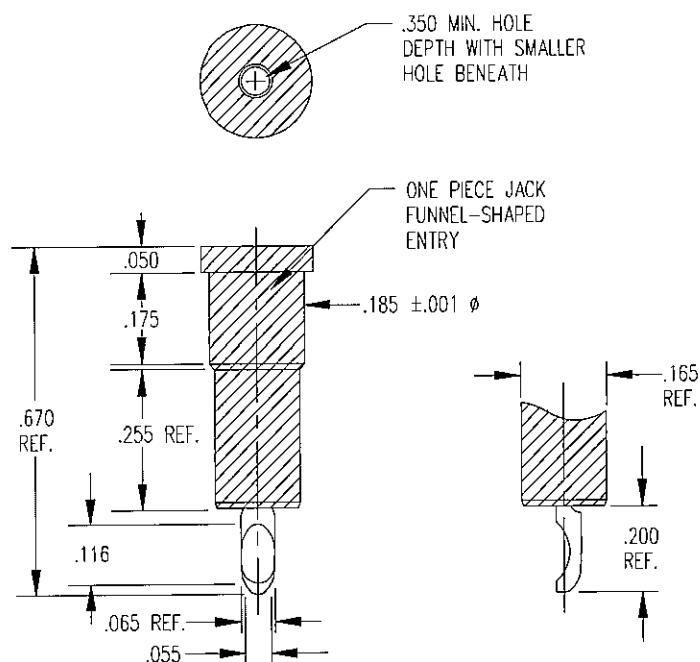
### Pin Plating

G - Gold over Nickel

T - Tin over Nickel

### Insulation Color

10 - Black  
11 - Brown  
12 - Red  
13 - Orange  
14 - Yellow  
15 - Green  
16 - Blue  
17 - Violet  
18 - Gray  
19 - White (Standard)



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# M55155

MIL-T-55155-6

## SPECIFICATIONS

**Terminal Material:** Brass

Alloy 360 1/2 hard

**Insulation:** Teflon

**Terminal Plating:** Gold over  
Nickel or Silver over Nickel

Note: All dimensions are in inches

MIL-T-551558-7

## SPECIFICATIONS

**Terminal Material:** Brass

Alloy 360 1/2 hard

**Insulation:** Teflon

**Terminal Plating:** Gold over  
Nickel or silver over Nickel

Note: All dimensions are in inches

# Insulated Feed-Thru Terminals

## Ordering Information

FT06

FT06-0-B01

Series

Color Code

0 - Black

5 - Green

1 - Brown

6 - Blue

2 - Red

7 - Violet

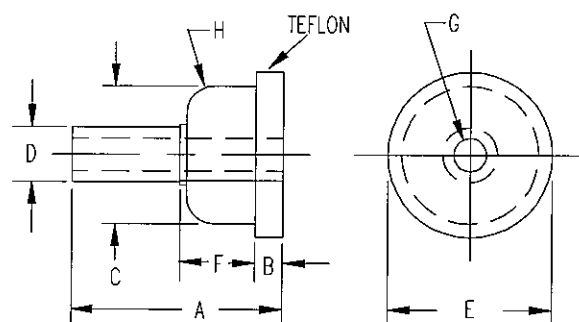
3 - Orange

8 - Gray

4 - Yellow

9 - White

| P/N        | A    | B    | C    | D    | E    | F    | G    | H          |
|------------|------|------|------|------|------|------|------|------------|
| FT06-X-B01 | .193 | .025 | .125 | .050 | .150 | .063 | .030 | .015 X 45° |
| FT06-X-B02 | .367 | .050 | .148 | .085 | .172 | .110 | .063 | .015 X 45° |



## Ordering Information

SE07

SE07-0-B01

Series

Color Code

0 - Black

5 - Green

1 - Brown

6 - Blue

2 - Red

7 - Violet

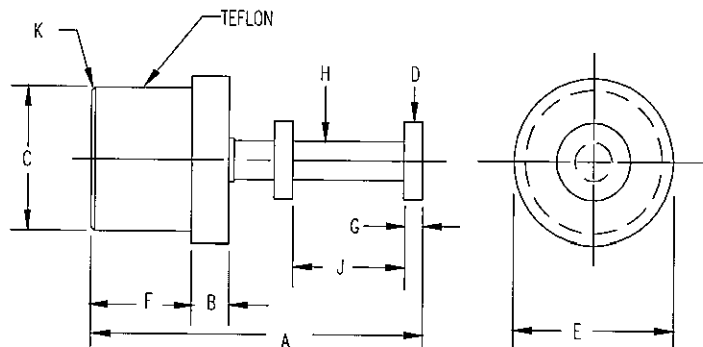
3 - Orange

8 - Gray

4 - Yellow

9 - White

| P/N        | A    | B    | C    | D    | E    | F    | G    | H    | J    | K          |
|------------|------|------|------|------|------|------|------|------|------|------------|
| SE07-X-B01 | .359 | .040 | .148 | .080 | .172 | .110 | .020 | .040 | .120 | .015 X 45° |
| SE07-X-B02 | .421 | .125 | .165 | .093 | .187 | .150 | .020 | .045 | .068 | .015 X 45° |
| SE07-X-B03 | .350 | .040 | .093 | .080 | .125 | .100 | .020 | .040 | .120 | .015 X 45° |



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# M55155

MIL-T-55155-8

## SPECIFICATIONS

**Terminal Material:** Brass

Alloy 360 1/2 hard

**Insulation:** Teflon

**Terminal Plating:** Gold over  
Nickel or Silver over Nickel

Note: All dimensions are in inches

MIL-T-55155-3

## SPECIFICATIONS

**Terminal Material:** Brass

Alloy 360 1/2 hard

**Insulation:** Teflon

**Terminal Plating:** Gold over  
Nickel or silver over Nickel

Note: All dimensions are in inches

# Insulated Feed-Thru Terminals

## Ordering Information

SE08

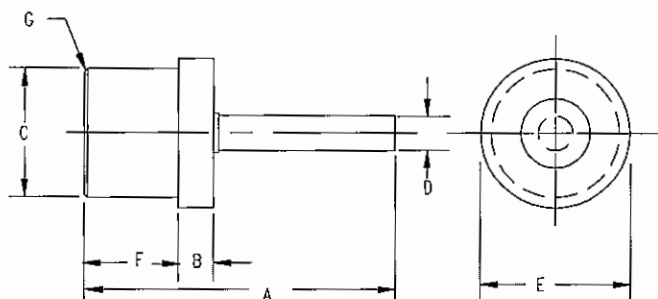
SE08-0-B01

Series

Color Code

|            |            |
|------------|------------|
| 0 - Black  | 5 - Green  |
| 1 - Brown  | 6 - Blue   |
| 2 - Red    | 7 - Violet |
| 3 - Orange | 8 - Gray   |
| 4 - Yellow | 9 - White  |

| P/N        | A    | B    | C    | D    | E    | F    | G          |
|------------|------|------|------|------|------|------|------------|
| SE08-X-B01 | .350 | .040 | .148 | .040 | .172 | .100 | .015 X 45° |
| SE08-X-B02 | .350 | .040 | .093 | .040 | .125 | .100 | .015 X 45° |



## Ordering Information

FT03

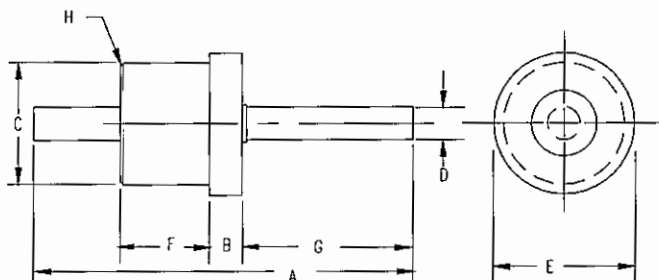
FT03-0-B01

Series

Color Code

|            |            |
|------------|------------|
| 0 - Black  | 5 - Green  |
| 1 - Brown  | 6 - Blue   |
| 2 - Red    | 7 - Violet |
| 3 - Orange | 8 - Gray   |
| 4 - Yellow | 9 - White  |

| P/N        | A    | B    | C    | D    | E    | F    | G    | H          |
|------------|------|------|------|------|------|------|------|------------|
| FT03-X-B01 | .375 | .040 | .148 | .040 | .172 | .100 | .125 | .015 X 45° |
| FT03-X-B02 | .515 | .040 | .148 | .040 | .172 | .100 | .210 | .015 X 45° |
| FT03-X-B03 | .675 | .125 | .165 | .040 | .187 | .150 | .200 | .015 X 45° |
| FT03-X-B04 | .515 | .040 | .093 | .040 | .125 | .100 | .210 | .015 X 45° |
| FT03-X-B05 | .343 | .040 | .093 | .040 | .125 | .100 | .125 | .015 X 45° |



**ELPAKCO, INC.**

2 Carl Thompson Road, Westford, MA 01886, Tel: 978-392-0400, Fax: 978-392-6814

# M55155

MIL-T-55155-4

## SPECIFICATIONS

**Terminal Material:** Brass

Alloy 360 1/2 hard

**Insulation:** Teflon

**Terminal Plating:** Gold over  
Nickel or Silver over Nickel

Note: All dimensions are in inches

MIL-T-55155-5

## SPECIFICATIONS

**Terminal Material:** Brass

Alloy 360 1/2 hard

**Insulation:** Teflon

**Terminal Plating:** Gold over  
Nickel or silver over Nickel

Note: All dimensions are in inches

# Insulated Feed-Thru Terminals

## Ordering Information

FT04

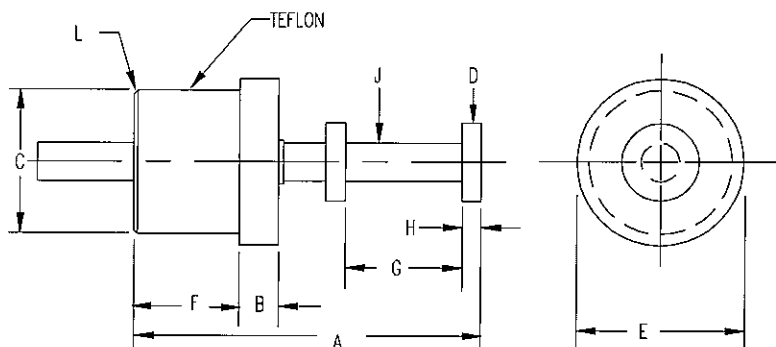
FT04-0-B01

Series

Color Code

|            |            |
|------------|------------|
| 0 - Black  | 5 - Green  |
| 1 - Brown  | 6 - Blue   |
| 2 - Red    | 7 - Violet |
| 3 - Orange | 8 - Gray   |
| 4 - Yellow | 9 - White  |

| P/N        | A    | B    | C    | D    | E    | F    | G    | H    | J    | K    | L          |
|------------|------|------|------|------|------|------|------|------|------|------|------------|
| FT04-X-B01 | .500 | .040 | .148 | .080 | .172 | .100 | .210 | .020 | .040 | .100 | .015 X 45° |
| FT04-X-B02 | .836 | .125 | .148 | .093 | .172 | .230 | .250 | .020 | .040 | .093 | .015 X 45° |
| FT04-X-B03 | .500 | .040 | .093 | .080 | .125 | .100 | .210 | .020 | .040 | .100 | .015 X 45° |



## Ordering Information

FT05

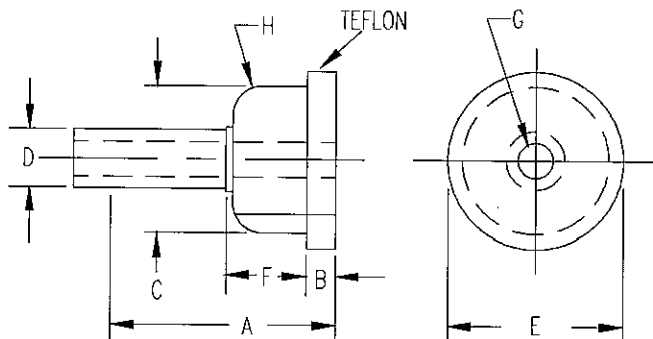
FT05-0-B01

Series

Color Code

|            |            |
|------------|------------|
| 0 - Black  | 5 - Green  |
| 1 - Brown  | 6 - Blue   |
| 2 - Red    | 7 - Violet |
| 3 - Orange | 8 - Gray   |
| 4 - Yellow | 9 - White  |

| P/N        | A    | B    | C    | D    | E    | F    | G    | H          |
|------------|------|------|------|------|------|------|------|------------|
| FT05-X-B01 | .225 | .040 | .093 | .040 | .125 | .060 | .030 | .015 X 45° |
| FT05-X-B02 | .310 | .050 | .120 | .040 | .130 | .053 | .030 | .015 X 45° |
| FT05-X-B03 | .367 | .050 | .148 | .085 | .172 | .110 | .063 | .015 X 45° |



**ELPAKCO, INC.**

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## Terminals

## One Piece Pin Receptacles

### SPECIFICATIONS

**Pin Material:** Beryllium Copper  
Alloy 172 1/2 HD and Heat  
Treated After Forming

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

Note: All dimensions are in inches

**99 - G**

### Basic Part Number

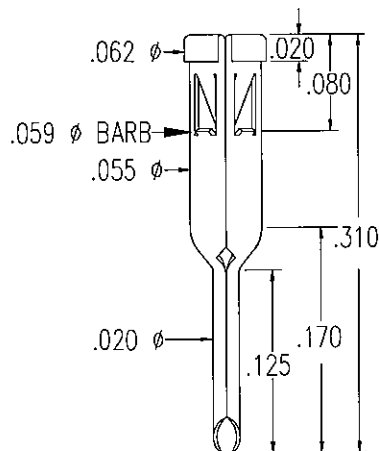
99 - Pony Pin (Press-fit)  
98 - Polo Pin (Straight)  
12 - Pinto Pin (.050" Spacing Appl.)  
2220 - Baby Pinto Pin (1mm)

### Pin Plating

11 -  $150\mu$ " Tin over  $50\mu$ " Nickel  
12 -  $10\mu$ " Gold over  $50\mu$ " Nickel  
13 -  $30\mu$ " Gold over  $50\mu$ " Nickel  
14 -  $50\mu$ " Gold over  $50\mu$ " Nickel

**98**

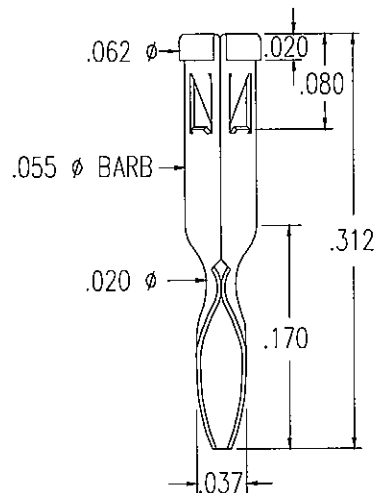
**POLO PIN**



Head - .056 Mtg. Hole  
Accepts Leads: .017  $\varnothing$  & .025 Sq. Posts

**99**

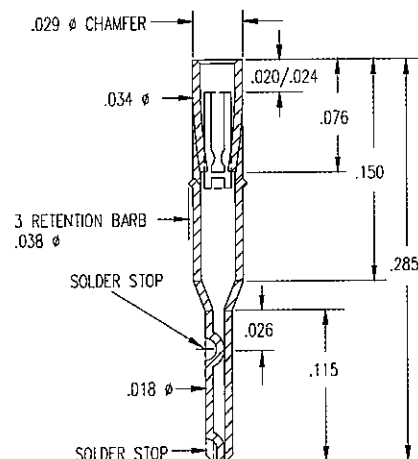
**PONY PIN**



Head - .056 Mtg. Hole, Tail - Press-fit in  $.030 \pm .003$   
Accepts Leads: .017  $\varnothing$  & .025 Sq. Posts

**12**

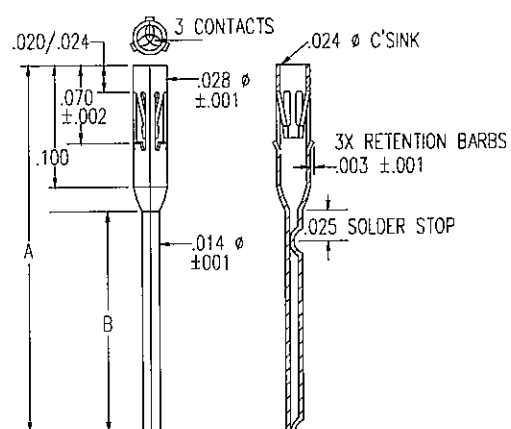
**PINTO PIN**



Insertion Force - 20g Avg. with  
.018 $\varnothing$  Pin  
Head - .035 Mtg. Hole  
Accepts Leads: .015 - .022  $\varnothing$

**2220**

**BABY PINTO PIN**



Head - .030 Mtg. Hole  
Tail - .016 Mtg. Hole  
Accepts Leads: .014  $\varnothing$   
& .012 Sq. Posts

| P/N    | A $\pm .003$ | B $\pm .003$ |
|--------|--------------|--------------|
| 2220-1 | .300         | .180         |
| 2220-2 | .220         | .100         |
| 2220-3 | .180         | .060         |
| 2220-4 | .250         | .130         |



**ELPAKCO, INC.**

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# Terminals

## Pin Receptacles for .014-.017 Ø Pins & .014 Ø & .012 Sq.

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

**4281 - X - XX - XX - XX**

**Basic Part Number**

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

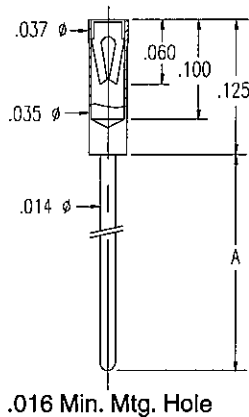
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

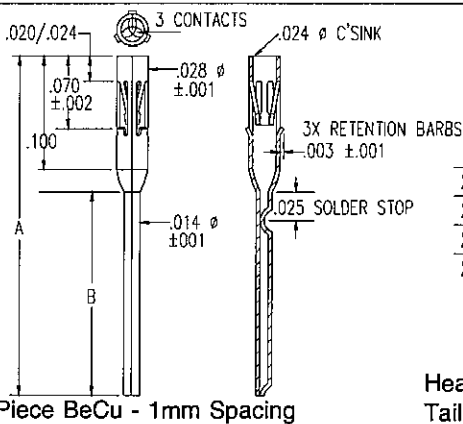
57 - 4281 Only (See Data on pages 112)

**4281**



| P/N    | A    |
|--------|------|
| 4281-1 | .125 |
| 4281-2 | .250 |

**2220**



**Baby PINTO PIN**

| P/N    | A    | B    |
|--------|------|------|
| 2220-1 | .300 | .180 |
| 2220-2 | .220 | .100 |
| 2220-3 | .180 | .060 |
| 2220-4 | .250 | .130 |

Head Mtg. Hole - .030 Ø  
Tail Mtg. Hole - .016 Ø min.

One Piece BeCu - 1mm Spacing



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## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Pin Receptacles for .015-.021 Ø Pins

**4000 - X - XX - XX - XX**

Basic Part Number

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

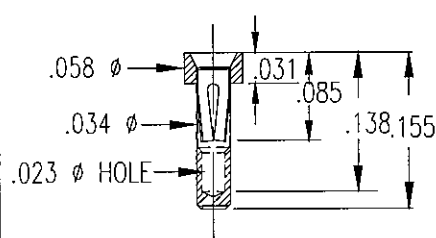
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

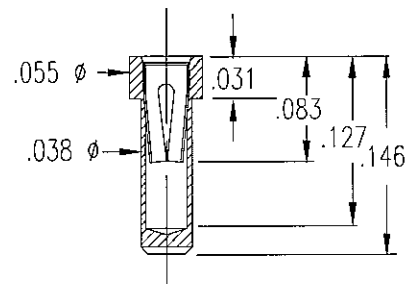
30-32 - (See Data on page 106)

### 4000



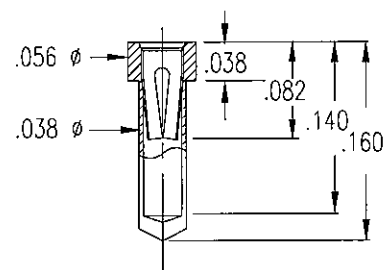
.036 Min. Mtg. Hole

### 4001



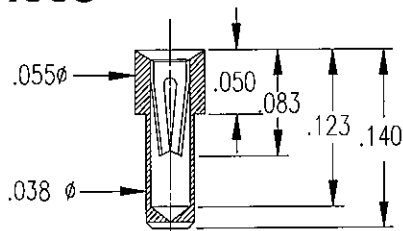
.040 Min. Mtg. Hole

### 4002



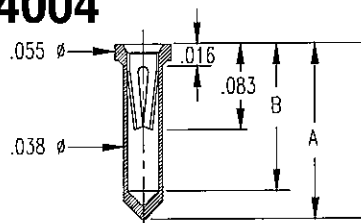
.040 Min. Mtg. Hole

### 4003



.040 Min. Mtg. Hole

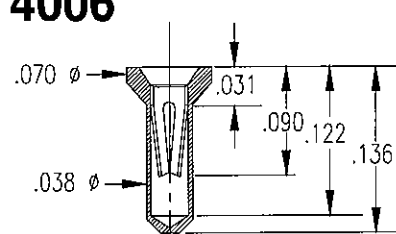
### 4004



| P/N    | A    | B    |
|--------|------|------|
| 4004-1 | .136 | .120 |
| 4004-2 | .170 | .150 |

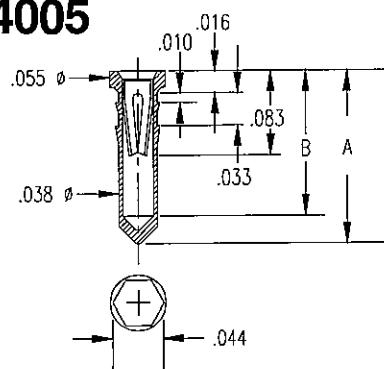
.040 Min. Mtg. Hole

### 4006



.040 Min. Mtg. Hole

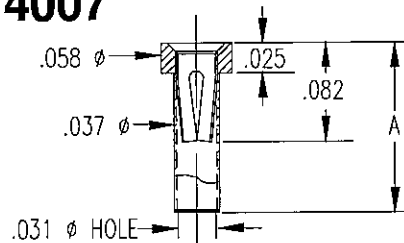
### 4005



Hex Press-fit in .041  $\pm .002$  Mtg. Hole

| P/N    | A    | B    |
|--------|------|------|
| 4005-1 | .140 | .124 |
| 4005-2 | .170 | .154 |
| 4005-3 | .245 | .229 |

### 4007



| P/N    | A    |
|--------|------|
| 4007-1 | .083 |
| 4007-2 | .138 |

.039 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Pin Receptacles for .015-.021 Ø Pins

**4008 - X - XX - XX - XX**

**Basic Part Number**

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

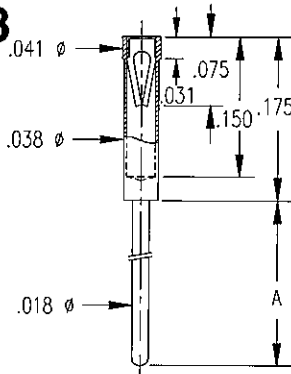
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

30-32 (See Data on page 106)

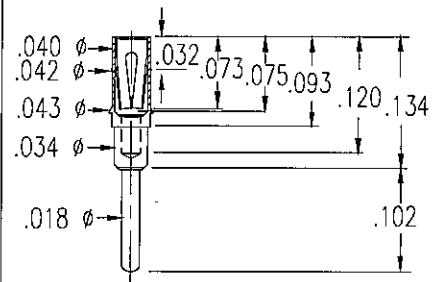
**4008**



.041 Min. Drill Mtg. Hole

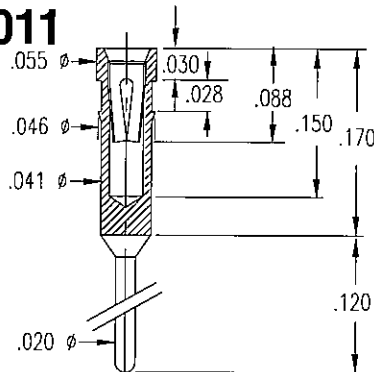
| P/N    | A    |
|--------|------|
| 4008-1 | .060 |
| 4008-2 | .125 |
| 4008-3 | .180 |
| 4008-4 | .275 |
| 4008-5 | .400 |
| 4008-6 | .440 |

**4010**



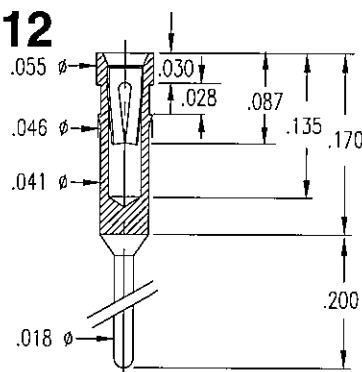
.041 Min. Mtg. Hole

**4011**



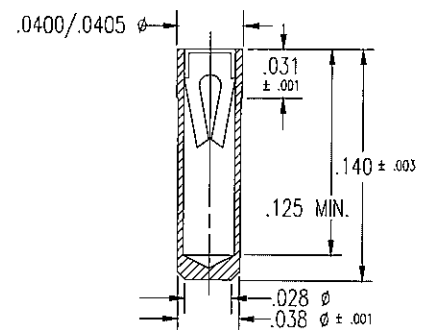
.043 Min. Mtg. Hole

**4012**



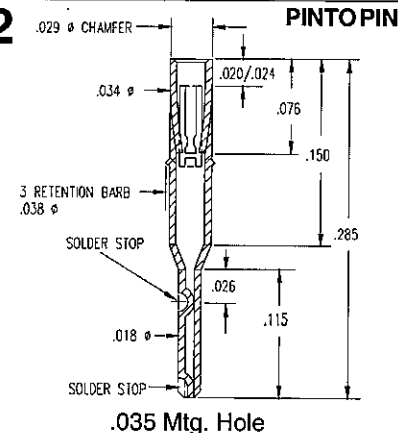
.043 Min. Mtg. Hole

**1078**



.0395 Min. Mtg. Hole

**12**



.035 Mtg. Hole



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## Terminals

## Pin Receptacles for .015-.021 Ø Pins

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

**4016 - X - XX - XX - XX**

**Basic Part Number**

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

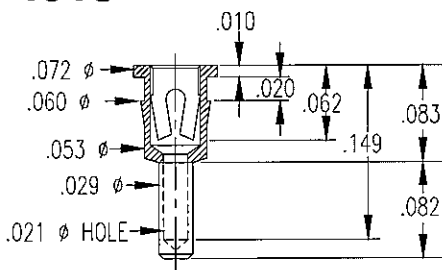
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

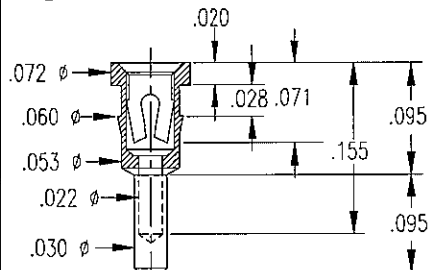
33 - 36 (See Data on page 109)

### 4013



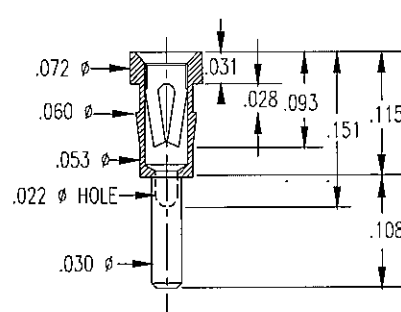
.057 Min. Mtg. Hole

### 4014



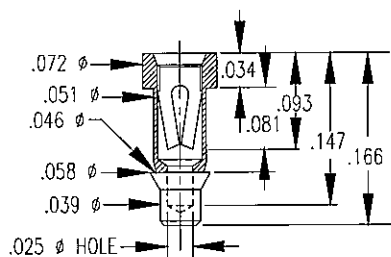
.057 Min. Mtg. Hole

### 4016



.057 Min. Mtg. Hole

### 4017



Surface Mount Pin



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## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Pin Receptacles for .015-.025 $\varnothing$ Pins

**4015 - X - XX - XX - XX**

**Basic Part Number**

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

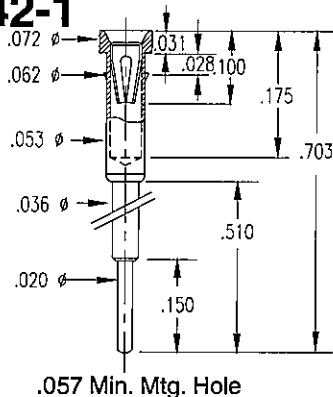
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

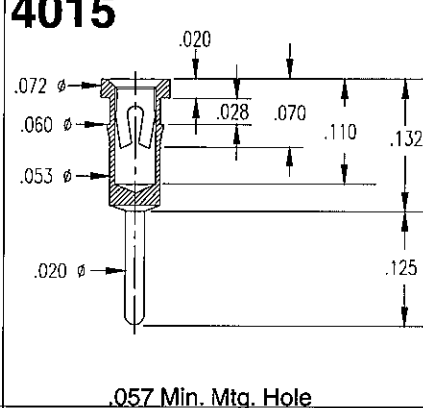
### Contact Type

36 - (See Data on page 108)

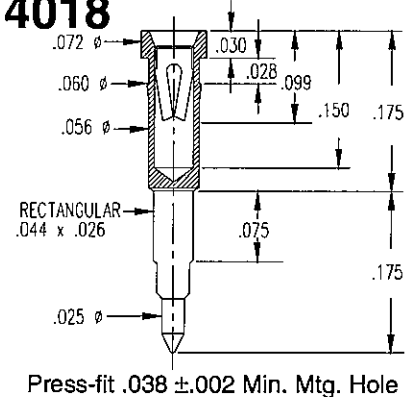
### 4042-1



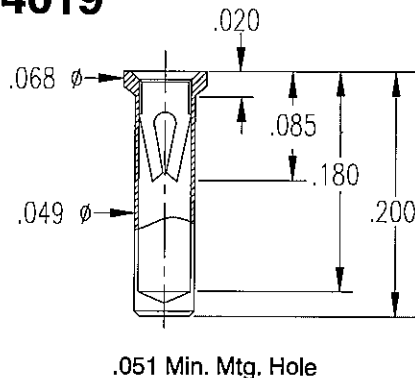
### 4015



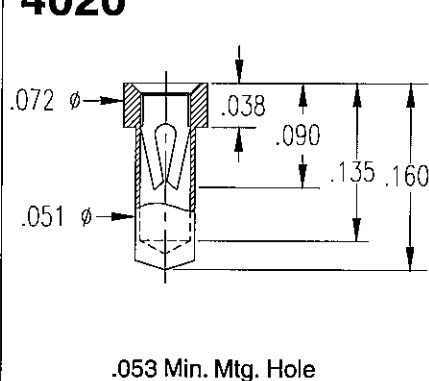
### 4018



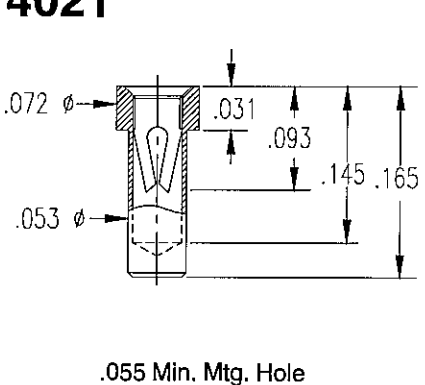
### 4019



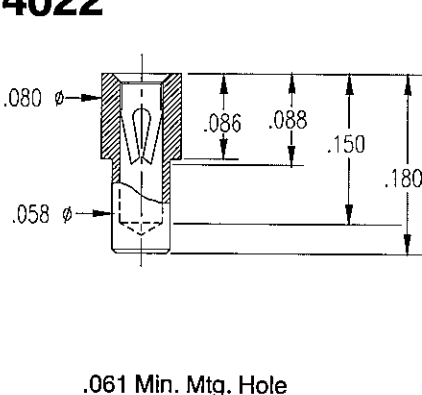
### 4020



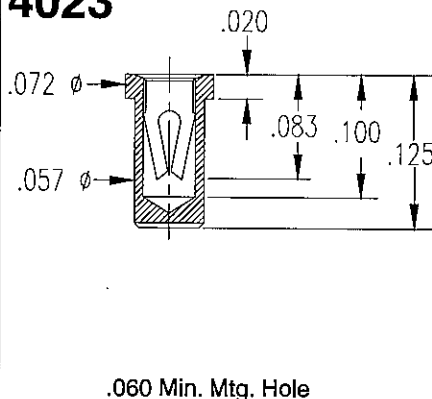
### 4021



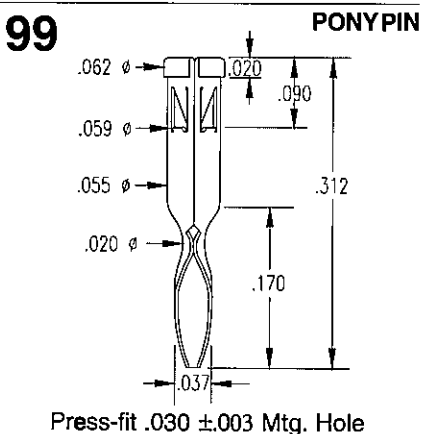
### 4022



### 4023



### 99



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## Terminals

## Pin Receptacles for .015-.025 Ø Pins

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

**4025 - X - XX - XX - XX**

**Basic Part Number**

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

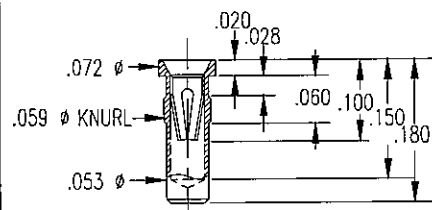
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

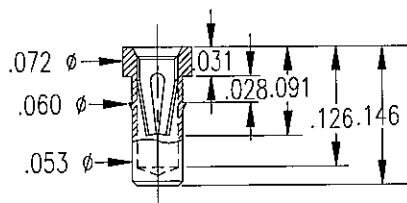
36 - 45 - (See Data on page 108-110)

### 4025



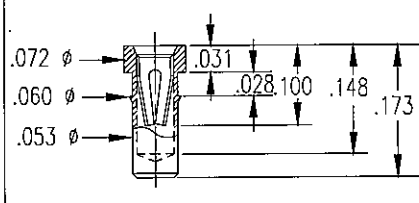
.057 Min. Mtg. Hole

### 4026



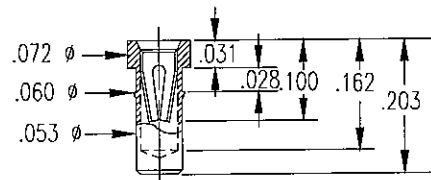
.057 Min. Mtg. Hole

### 4027



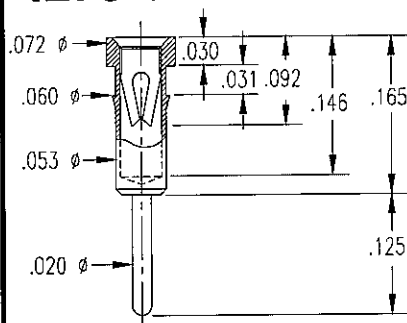
.057 Min. Mtg. Hole

### 4028



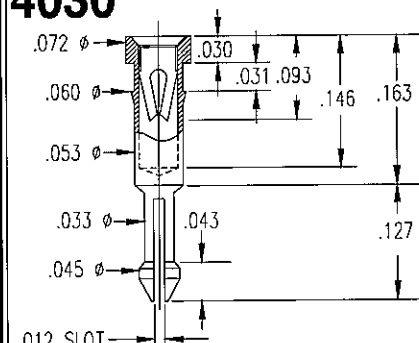
.057 Min. Mtg. Hole

### 4275-1



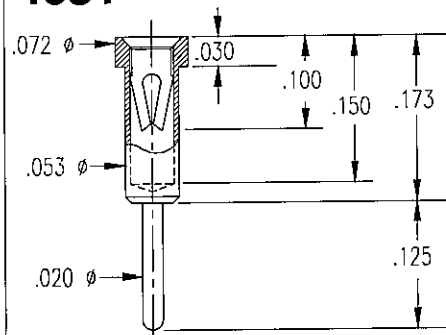
.057 Min. Mtg. Hole

### 4030



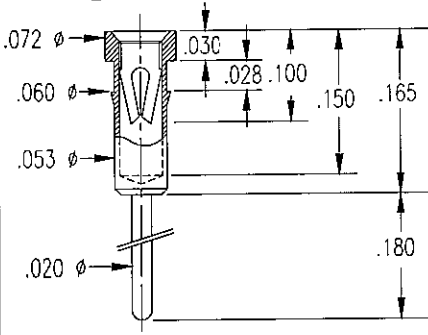
.038-.040 Hole Prior to Soldering

### 4031



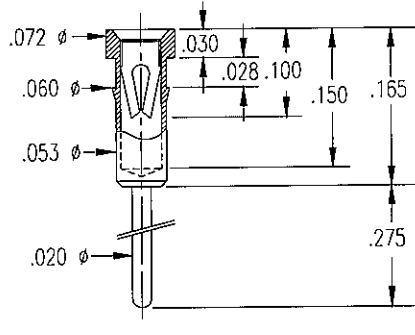
.022 or .057 Mtg. Hole

### 4275-2



.057 Min. Mtg. Hole

### 4033



.057 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Pin Receptacles for .015-.025 $\varnothing$ Pins

4046 - X - XX - XX - XX

Basic Part Number

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

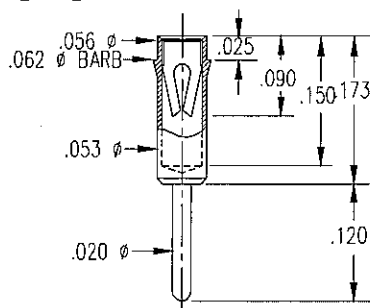
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

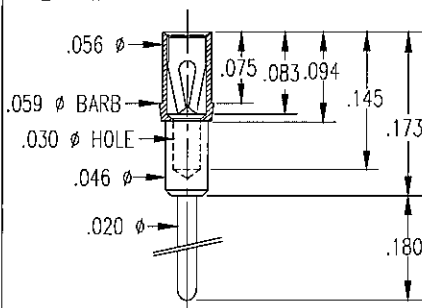
36 - (See Data on page 108)

4046



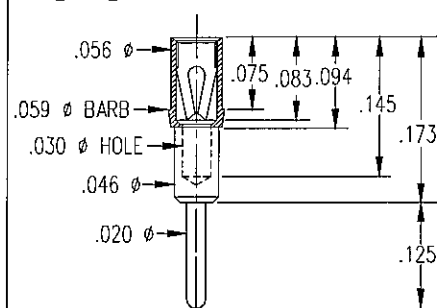
.059 Min. Mtg. Hole

4047



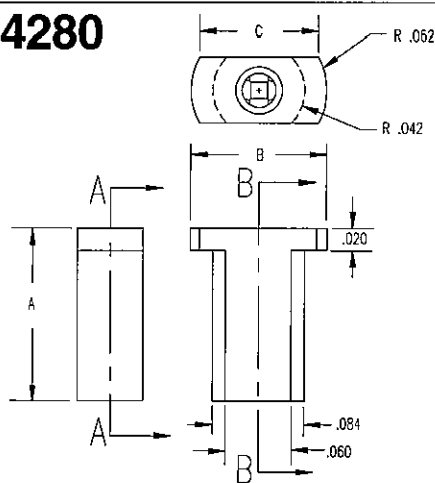
.057 Min. Mtg. Hole

4048

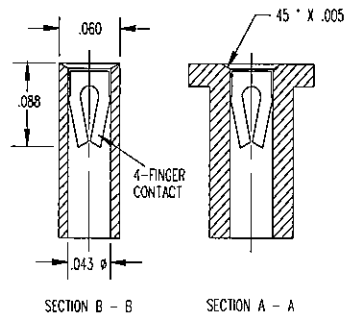
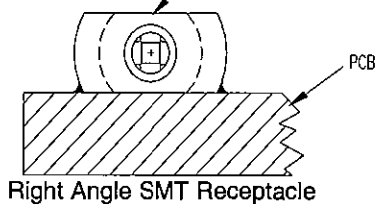


.057 Min. Mtg. Hole

4280



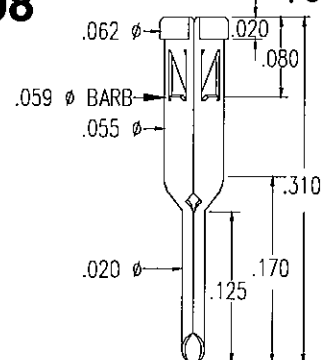
RIGHT ANGLE SMT RECEPTACLE



| P/N    | A    | B    | C    |
|--------|------|------|------|
| 4280-1 | .157 | .125 | .110 |
| 4280-2 | .115 | .100 | .080 |
| 4280-3 | .100 | .100 | .080 |

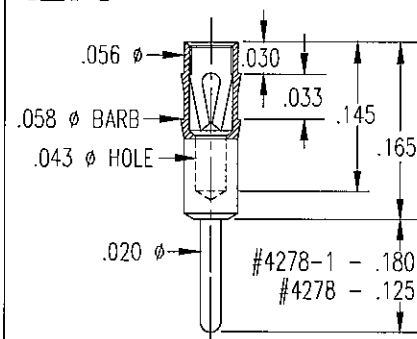
98

POLOPIN



.057 Min. Mtg. Hole

4278



.057 Min. Mtg. Hole



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# Terminals

# Pin Receptacles for .015-.025 Ø Pins

## SPECIFICATIONS

**Terminal Material:** Brass Alloy

360, 1/2 Hard

**Contact Material:** Beryllium

Copper Alloy 172 HT

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

Diameters -  $\pm .002$

Angles -  $2^\circ$

Note: All dimensions are in inches

**4034 - X - XX - XX - XX**

**Basic Part Number**

## Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel

02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel

03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel

04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

## Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel

12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel

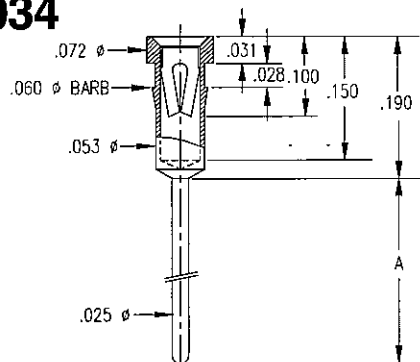
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel

14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

## Contact Type

36 - (See Data on page 108)

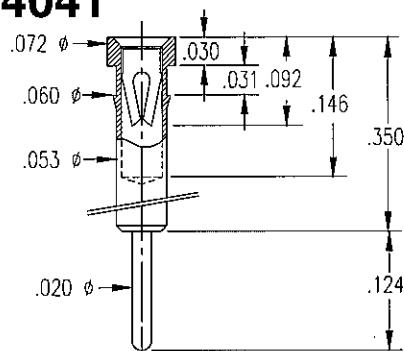
## 4034



.057 Min. Mtg. Hole

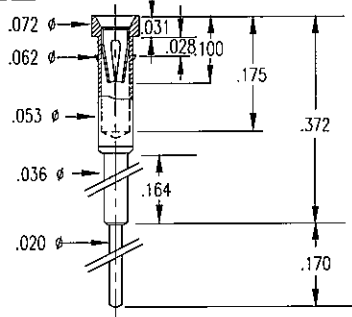
| P/N    | A     |
|--------|-------|
| 4034-1 | .210  |
| 4034-2 | .410  |
| 4034-3 | .455  |
| 4034-4 | .560  |
| 4034-5 | .635  |
| 4034-6 | .700  |
| 4034-7 | 1.215 |

## 4041



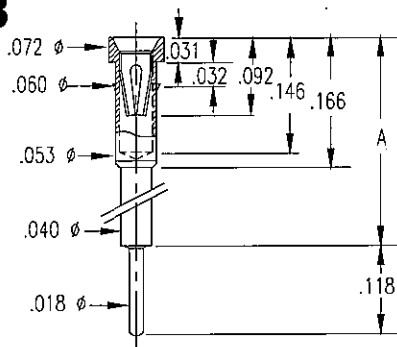
.057 Min. Mtg. Hole

## 4042



.057 Min. Mtg. Hole

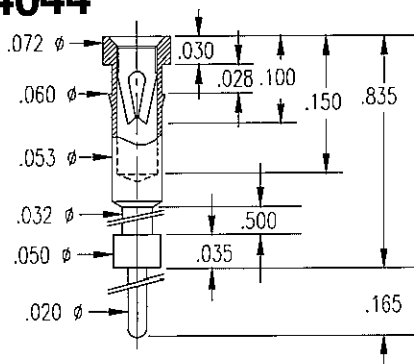
## 4043



.057 Min. Mtg. Hole

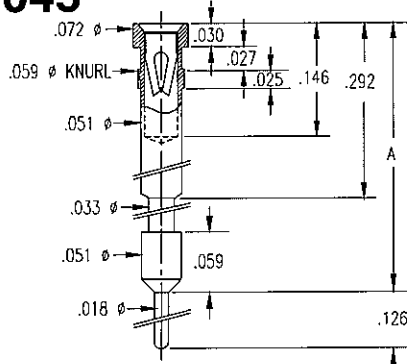
| P/N    | A    |
|--------|------|
| 4043-1 | .236 |
| 4043-2 | .315 |
| 4043-3 | .402 |
| 4043-4 | .472 |
| 4043-5 | .594 |
| 4043-6 | .699 |

## 4044



.057 Min. Mtg. Hole

## 4045



.057 Min. Mtg. Hole

| P/N    | A     |
|--------|-------|
| 4045-1 | .841  |
| 4045-2 | 1.141 |



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## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Wire Wrap Receptacles for .015-.025 Ø

**4103 - X - XX - XX - XX**

**Basic Part Number**

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

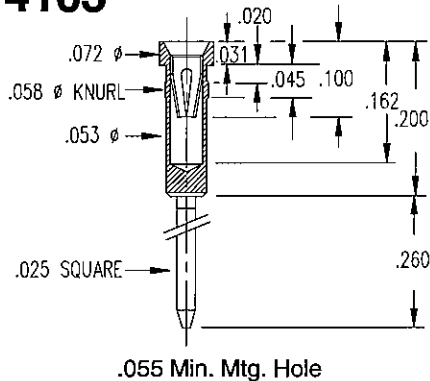
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

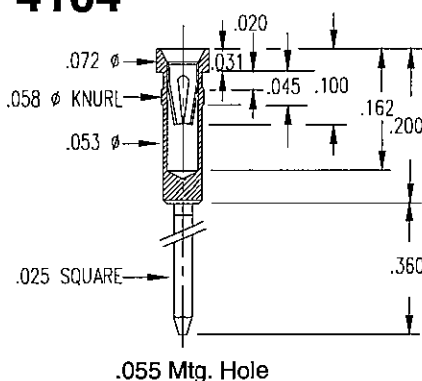
### Contact Type

36 - 45 - (See Data on pages 108-110)

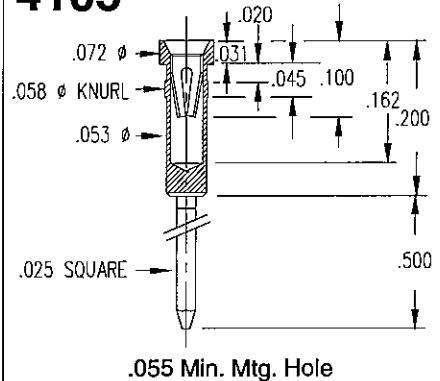
### 4103



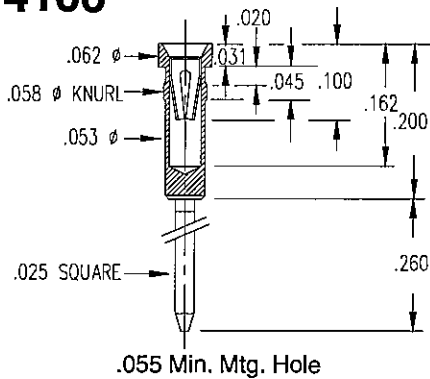
### 4104



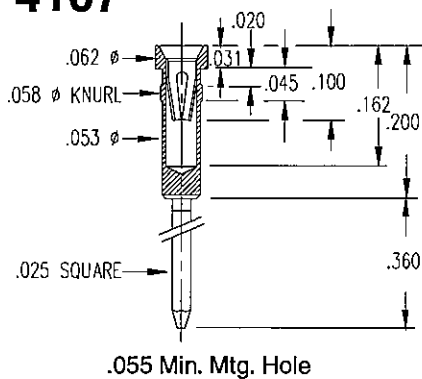
### 4105



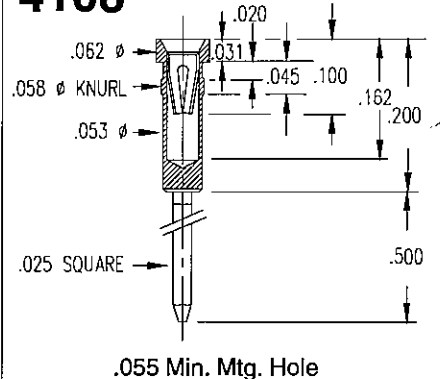
### 4106



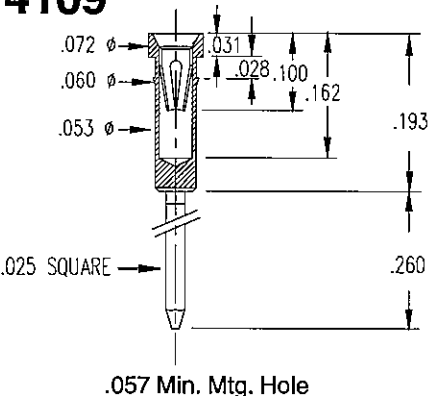
### 4107



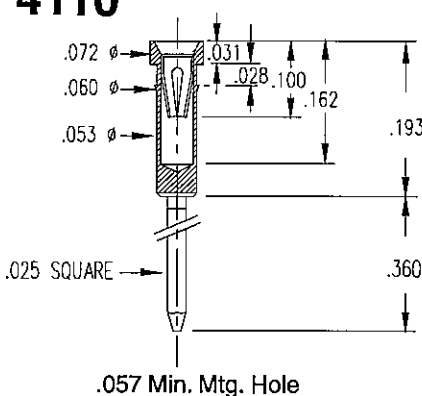
### 4108



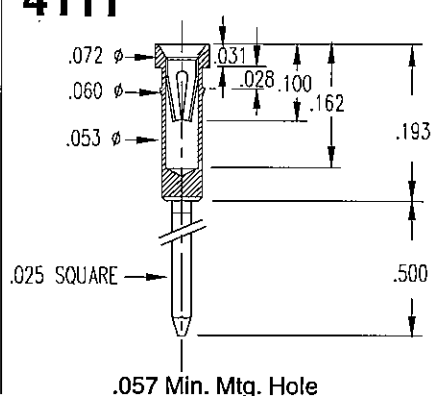
### 4109



### 4110



### 4111



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# Terminals

# Pin Receptacles for .025-.032 Ø Pins & .025 Sq. Post

## SPECIFICATIONS

**Terminal Material:** Brass Alloy

360, 1/2 Hard

**Contact Material:** Beryllium

Copper Alloy 172 HT

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

Diameters -  $\pm .002$

Angles -  $2^\circ$

Note: All dimensions are in inches

4049 - X - XX - XX - XX

Basic Part Number

## Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel

02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel

03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel

04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

## Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel

12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel

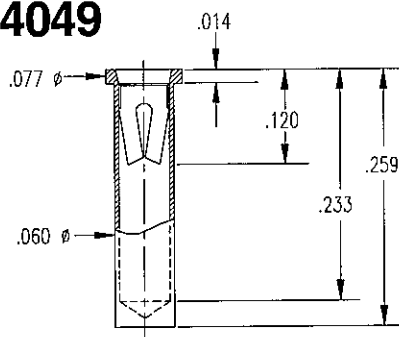
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel

14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

## Contact Type

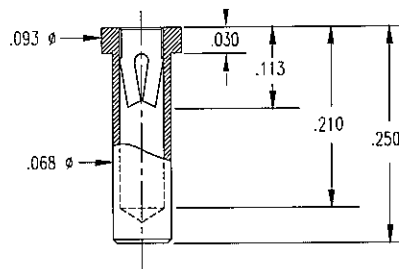
54 - (See Data on page 111)

4049



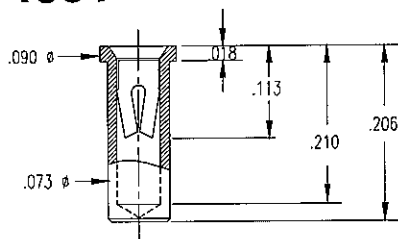
.063 Min. Mtg. Hole

4050



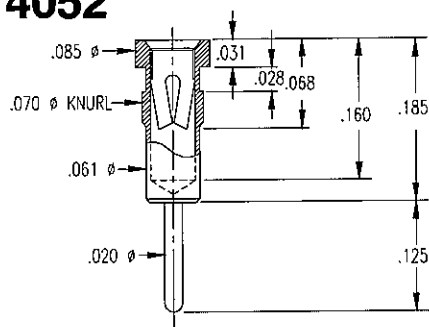
.071 Min. Mtg. Hole

4051



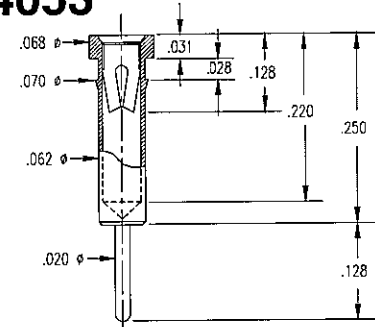
.076 Min. Mtg. Hole

4052



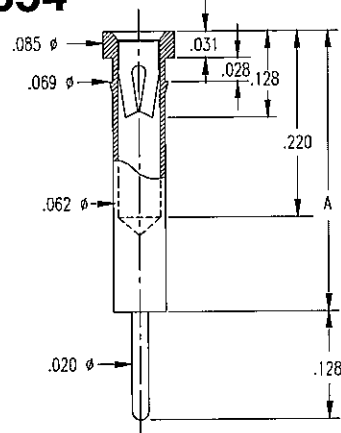
.067 Min. Mtg. Hole

4053



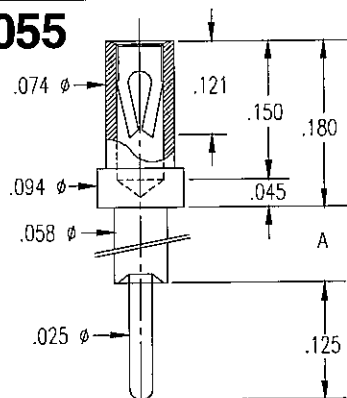
.067 Min. Mtg. Hole

4054



.067 Min. Mtg. Hole

4055



Swage Mount in .060 Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4055-1 | .031      | .051 |
| 4055-2 | .062      | .082 |
| 4055-3 | .094      | .113 |
| 4055-4 | .125      | .145 |

| P/N    | A    |
|--------|------|
| 4054-1 | .353 |
| 4054-2 | .333 |
| 4054-3 | .413 |



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# Terminals

# Pin Receptacles for .025-.032 Ø Pins & .025 Square Pins

## SPECIFICATIONS

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

**Contact Material:** Beryllium

Copper Alloy 172 HT

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

Note: All dimensions are in inches

**4056 - X - XX - XX - XX**

**Basic Part Number**

## Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

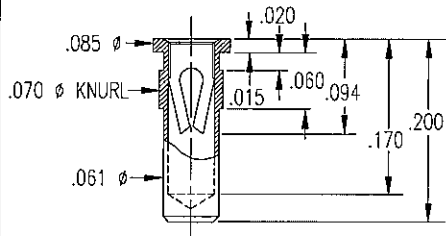
## Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

## Contact Type

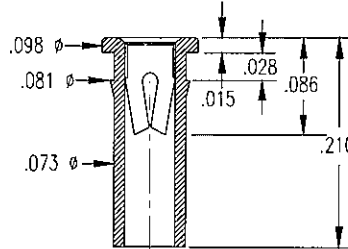
54 - (See Data on page 111)

**4056**



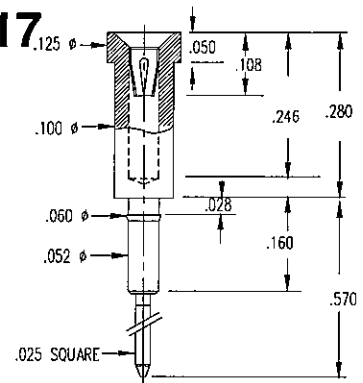
.067 Min. Mtg. Hole

**4282**



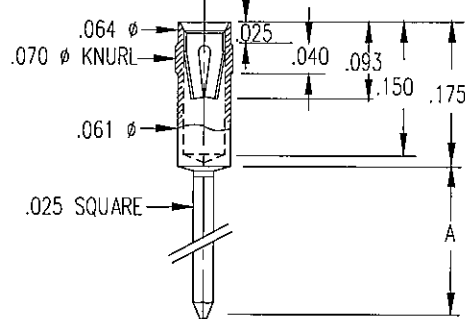
Press-fit in .078 Min. Mtg. Hole

**4117**



.057 Min. Mtg. Hole

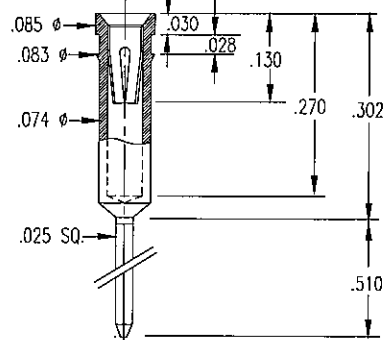
**4115**



.067 Min. Mtg. Hole

| P/N    | A    |
|--------|------|
| 4115-1 | .370 |
| 4115-2 | .430 |

**4116**



.079 Min. Mtg. Hole



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# Terminals

# Pin Receptacles for .025-.032 Ø Pins & .025 Square Pins

## SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

**4057 - X - XX - XX - XX**

**Basic Part Number**

## Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

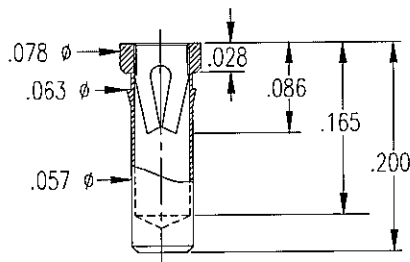
## Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

## Contact Type

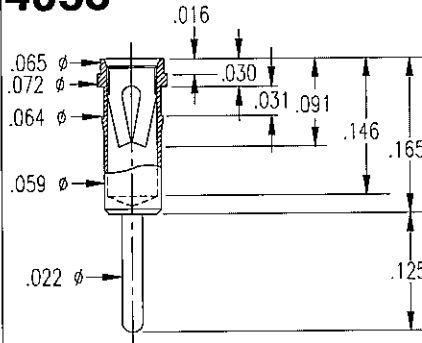
48 - (See Data on page 111)

## 4057



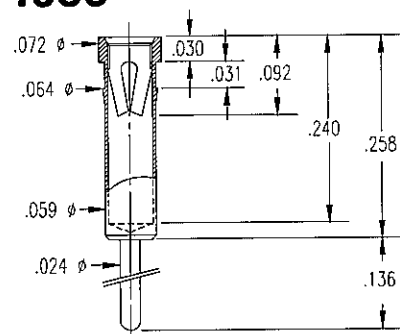
.061 Min. Mtg. Hole

## 4058



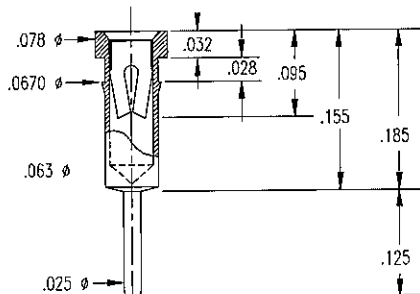
.061 Min. Mtg. Hole

## 4059



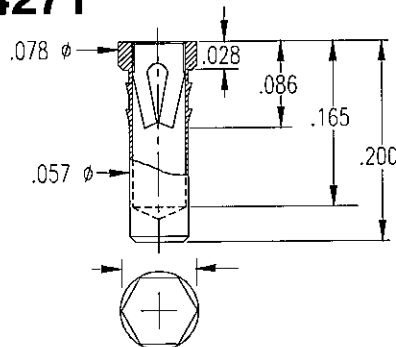
.061 Min. Mtg. Hole

## 4061



.067 Min. Mtg. Hole

## 4271



Hex Press-fit in .061 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Pin Receptacles for .032-.047 $\varnothing$ Pins

**4063 - X - XX - XX - XX**

**Basic Part Number**

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

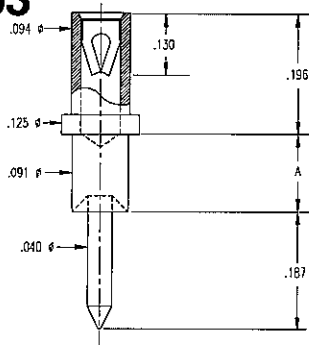
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

42 - (See Data on page 108)

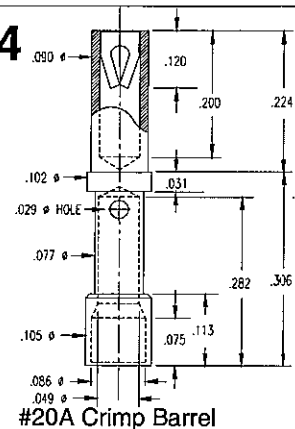
### 4063



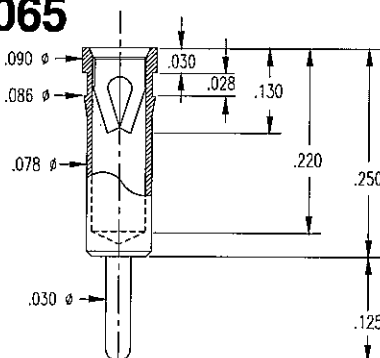
Swage Mount in .094 Min. Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4063-1 | .031      | .062 |
| 4063-2 | .062      | .094 |
| 4063-3 | .094      | .125 |
| 4063-4 | .125      | .156 |
| 4063-5 | .188      | .219 |

### 4064

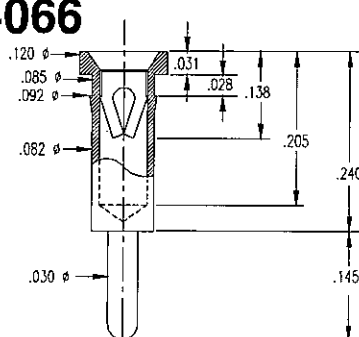


### 4065



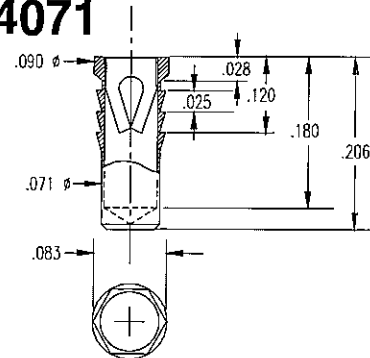
.082 Min. Mtg. Hole

### 4066



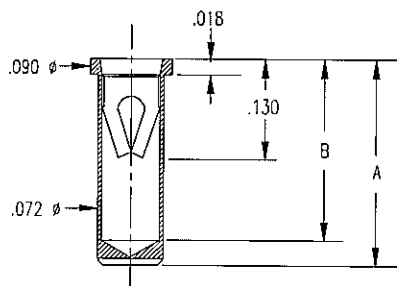
.089 Min. Mtg. Hole

### 4071



Hex Press-fit in .076 Min. Mtg. Hole

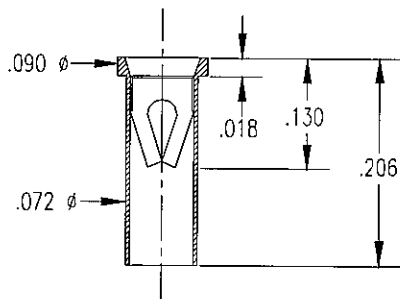
### 4067



.075 Min. Mtg. Hole

| P/N    | B    | A    |
|--------|------|------|
| 4067-1 | .206 | .180 |
| 4067-2 | .226 | .200 |
| 4067-3 | .270 | .241 |
| 4067-4 | .280 | .250 |

### 4072



.075 Min. Mtg. Hole



**ELPAKCO, INC.**

2 Carl Thompson Road, Westford, MA 01886, Tel: 978-392-0400, Fax: 978-392-6814

## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Pin Receptacles for .032-.047 $\varnothing$ Pins

**4073 - X - XX - XX - XX**

Basic Part Number

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

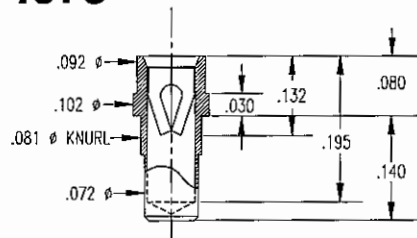
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

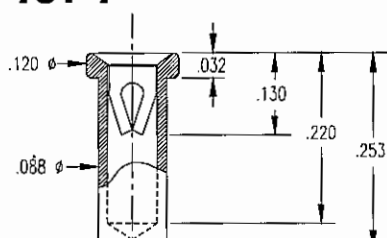
42 - (See Data on page 108)

**4073**



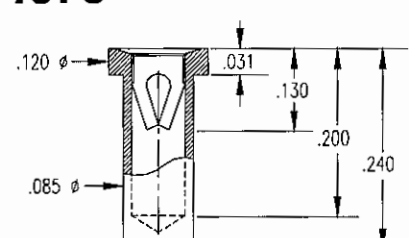
.078 Min. Mtg. Hole

**4074**



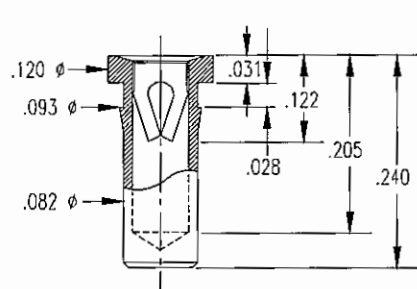
.091 Min. Mtg. Hole

**4075**



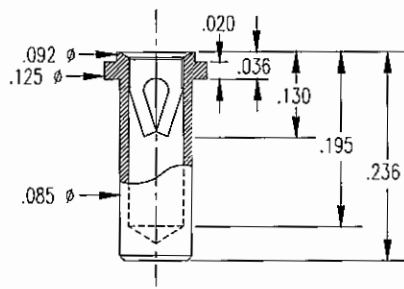
.087 Min. Mtg. Hole

**4076**



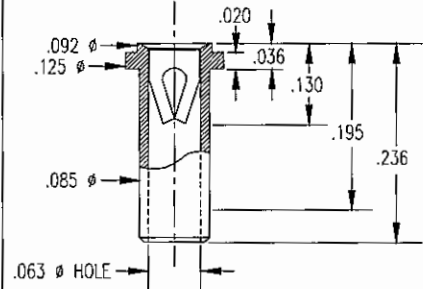
.089 Min. Mtg. Hole

**4077**



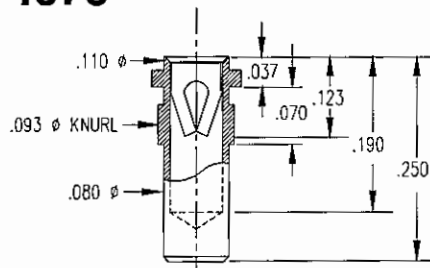
.087 Min. Mtg. Hole

**4078**



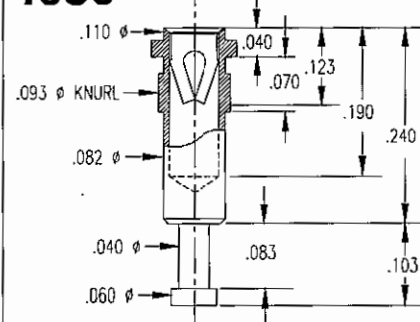
.087 Min. Mtg. Hole

**4079**



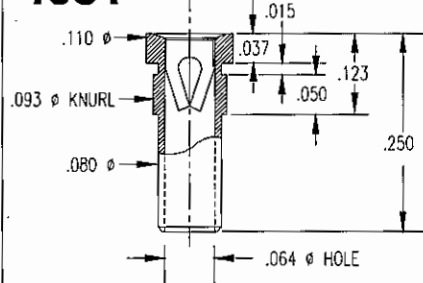
.089 Min. Mtg. Hole

**4080**



.089 Min. Mtg. Hole

**4081**



.089 Min. Mtg. Hole



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## Terminals

## Pin Receptacles for .032-.047 Ø Pins

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

**4082 - X - XX - XX - XX**

**Basic Part Number**

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

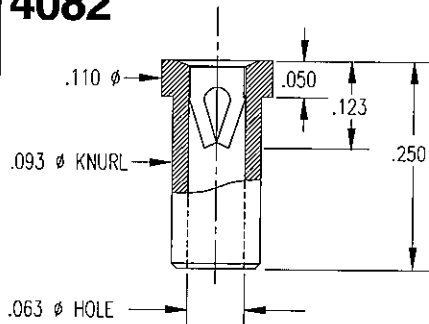
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

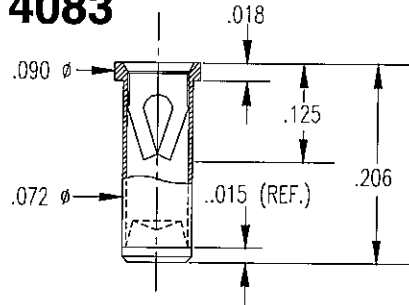
42 - (See Data on page 108)

### 4082



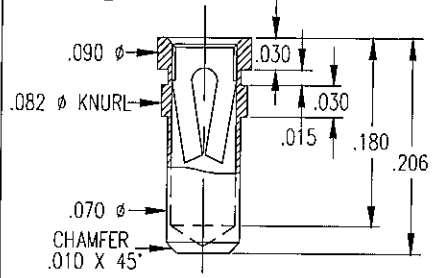
.102 Min. Mtg. Hole

### 4083



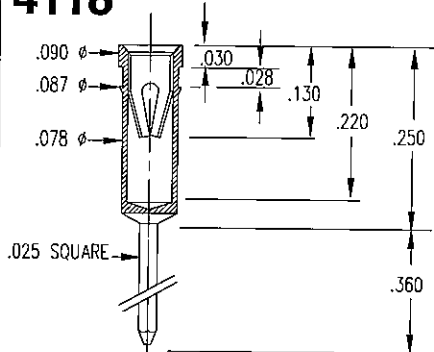
.075 Min. Mtg. Hole (Knock-out Bottom)

### 2006



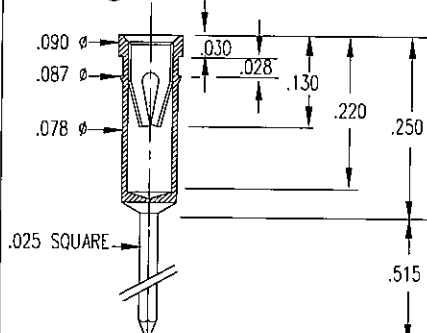
Press-fit in .078 Mtg. Hole

### 4118



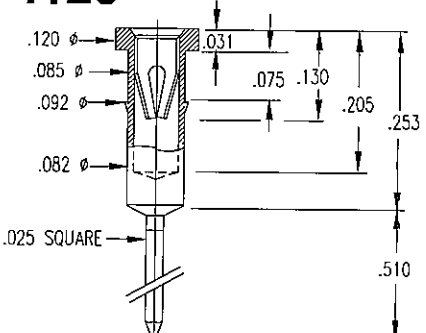
.083 Min. Mtg. Hole

### 4119



.083 Min. Mtg. Hole

### 4120



.087 Min. Mtg. Hole



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2 Carl Thompson Road, Westford, MA 01886, Tel: 978-392-0400, Fax: 978-392-6814

## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Pin Receptacles for .040-.060 Ø Pins

**4084 - X - XX - XX - XX**

**Basic Part Number**

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

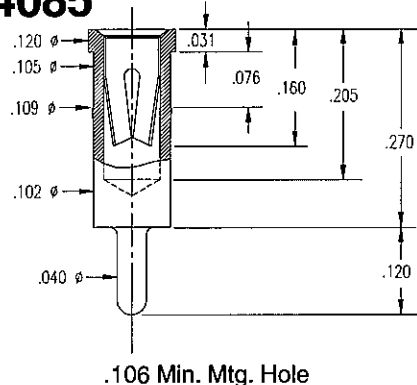
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

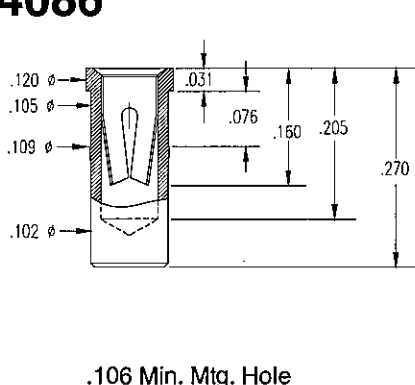
### Contact Type

41 - 43 (#4084/#4276) - (See Data on pages 109-112)

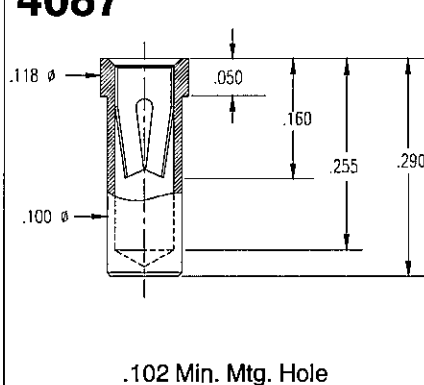
**4085**



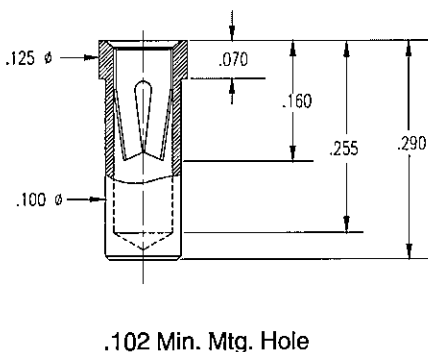
**4086**



**4087**

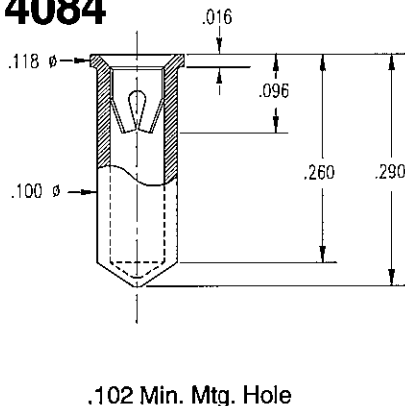


**4088**

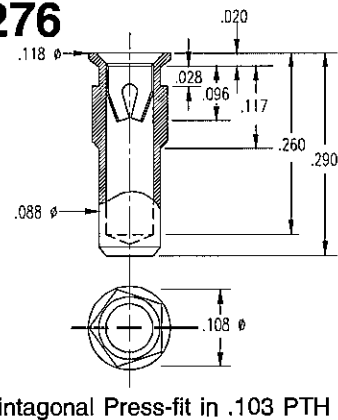


## Pin Receptacles for .040-.050 Ø Pins

**4084**



**4276**



**ELPAKCO, INC.**

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## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Pin Receptacles for .045-.067 $\varnothing$ Pins

**4089 - X - XX - XX - XX**

Basic Part Number

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

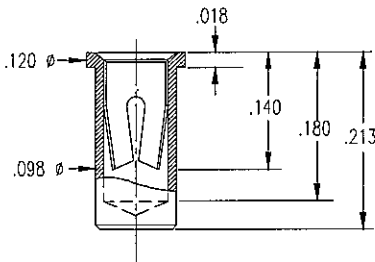
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

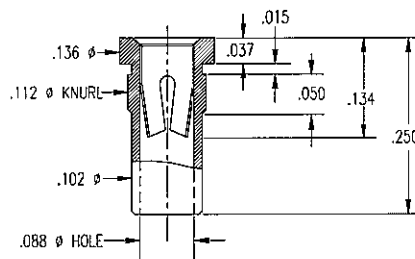
41 - (See Data on page 109)

**4089**



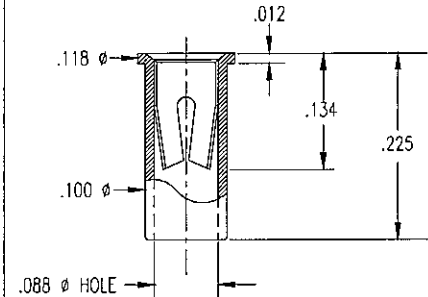
.102 Min. Mtg. Hole

**4090**



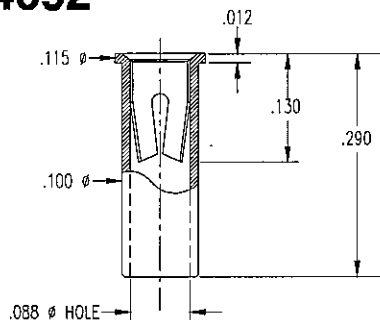
.108 Mtg. Hole

**4091**



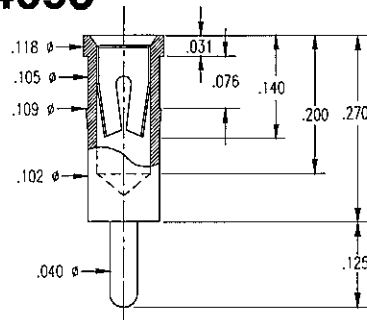
.102 Min. Mtg. Hole

**4092**



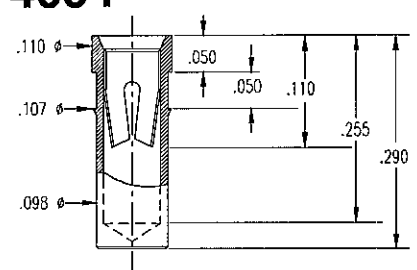
.102 Min. Mtg. Hole

**4093**



.106 Min. Mtg. Hole

**4094**



.102 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Pin Receptacles for .065-.082 $\varnothing$ Pins

**4095 - X - XX - XX - XX**

**Basic Part Number**

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

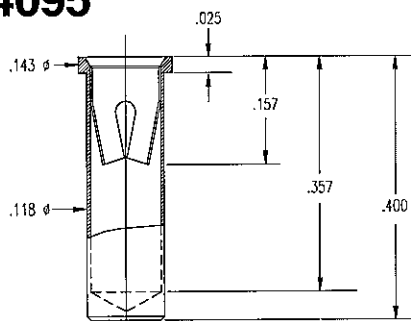
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

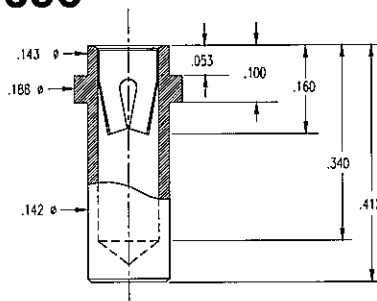
40 - (See Data on page 109)

### 4095



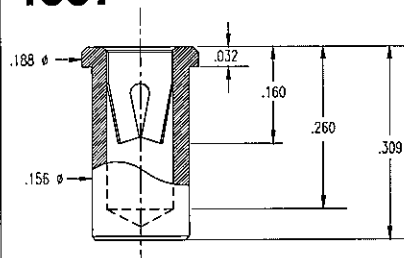
.120 Min. Mtg. Hole

### 4096



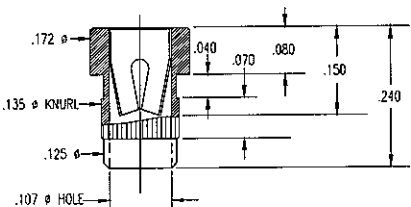
.144 Min. Mtg. Hole

### 4097



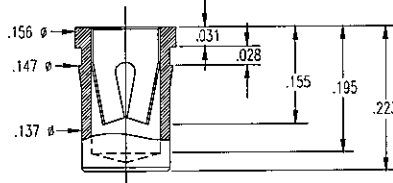
.159 Min. Mtg. Hole

### 4098



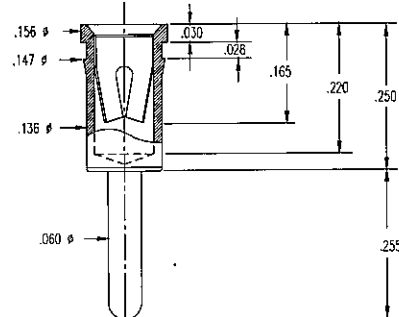
.130 Min. Mtg. Hole

### 4099



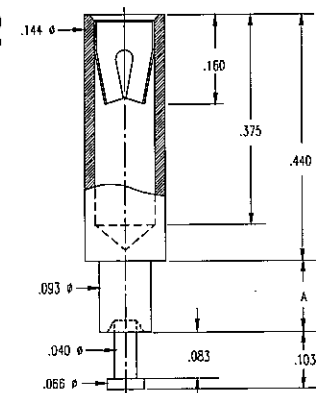
.142 Min. Mtg. Hole

### 4100



.142 Min. Mtg. Hole

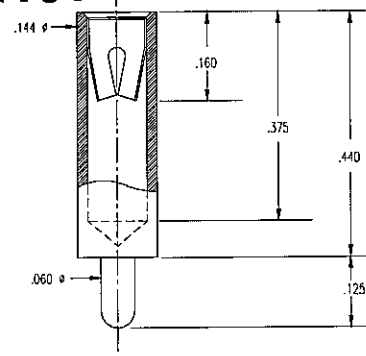
### 4102



Swage Mount in .096 Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4102-1 | .031      | .062 |
| 4102-2 | .062      | .094 |
| 4102-3 | .094      | .125 |
| 4102-4 | .125      | .156 |
| 4102-5 | .188      | .219 |

### 4101



.063 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

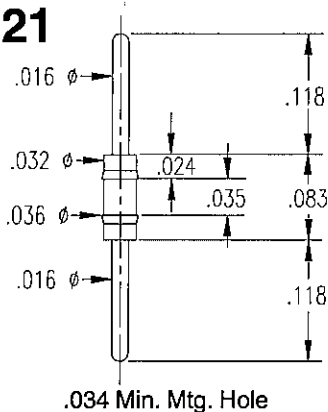
**4121 - X - XX**

Basic Part Number

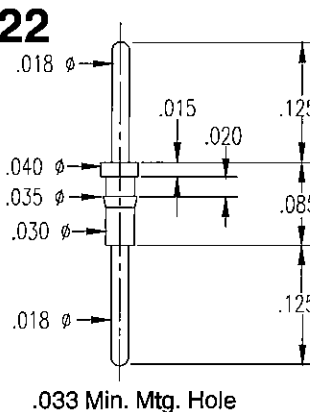
### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

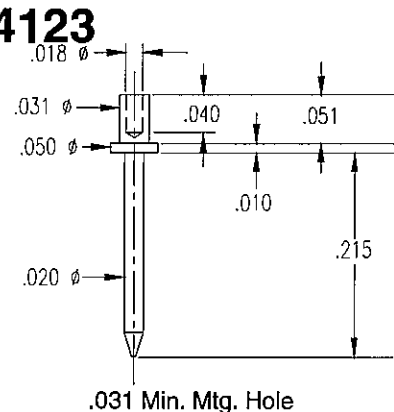
**4121**



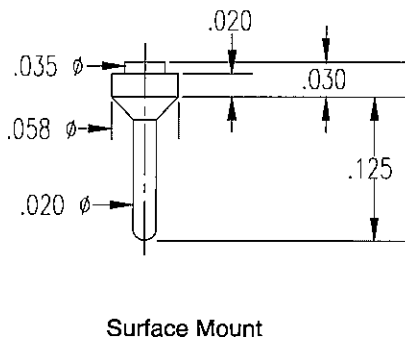
**4122**



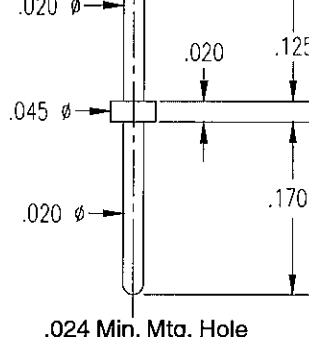
**4123**



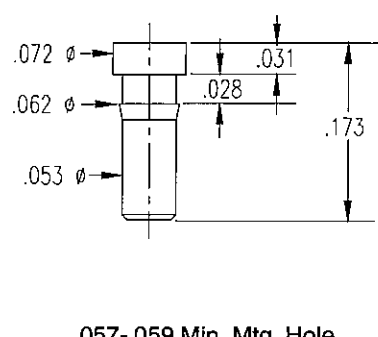
**4124**



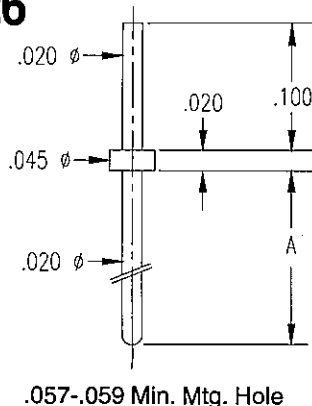
**4125**



**4127**

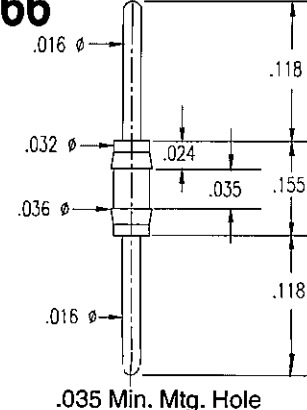


**4126**



| P/N    | A    |
|--------|------|
| 4126-1 | .250 |
| 4126-2 | .425 |
| 4126-3 | .525 |
| 4126-4 | .550 |
| 4126-5 | .930 |

**1066**



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

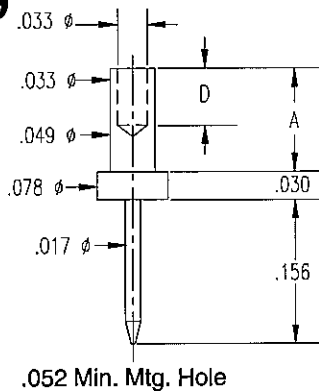
**4129 - X - XX**

Basic Part Number

### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

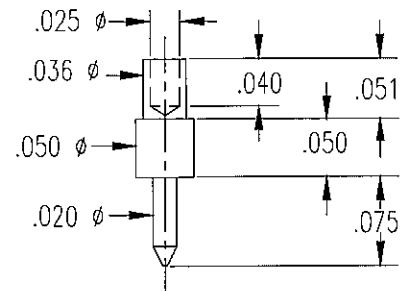
### 4129



.052 Min. Mtg. Hole

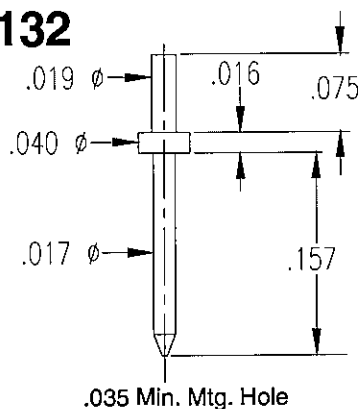
| P/N    | A    | D    |
|--------|------|------|
| 4129-1 | .051 | .035 |
| 4129-2 | .082 | .062 |
| 4129-3 | .113 | .062 |
| 4129-4 | .145 | .062 |

### 4130



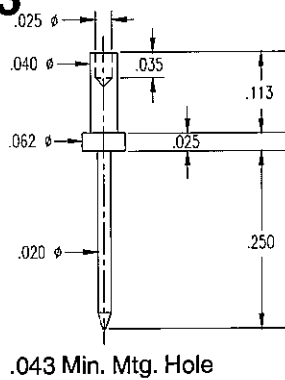
.040 Min. Mtg. Hole

### 4132



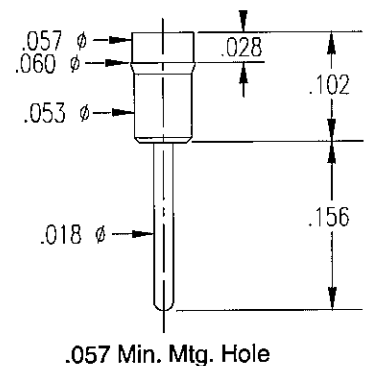
.035 Min. Mtg. Hole

### 4133



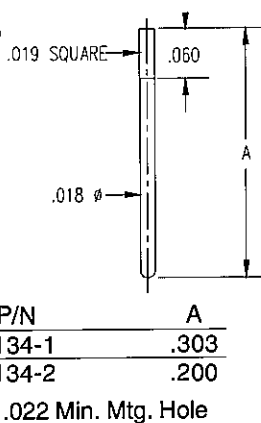
.043 Min. Mtg. Hole

### 4135



.057 Min. Mtg. Hole

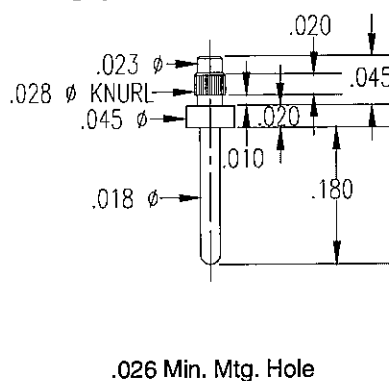
### 4134



| P/N    | A    |
|--------|------|
| 4134-1 | .303 |
| 4134-2 | .200 |

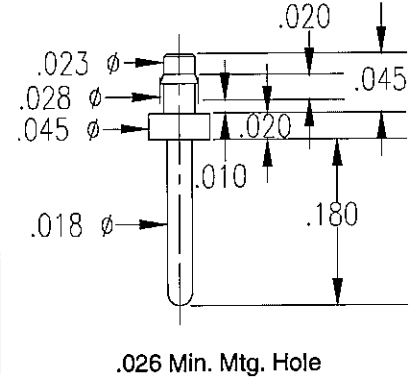
.022 Min. Mtg. Hole

### 4136



.026 Min. Mtg. Hole

### 4136-1



.026 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

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

Note: All dimensions are in inches

## Pin Receptacles for .065-.082 $\varnothing$ Pins

4289 - X - XX - XX - XX

Basic Part Number

### Terminal Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

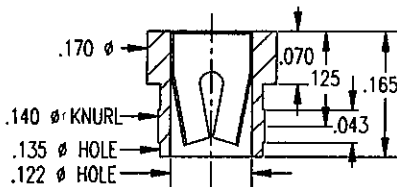
### Contact Plating

11 - 150 $\mu$ " Tin over 50 $\mu$ " Nickel  
12 - 10 $\mu$ " Gold over 50 $\mu$ " Nickel  
13 - 30 $\mu$ " Gold over 50 $\mu$ " Nickel  
14 - 50 $\mu$ " Gold over 50 $\mu$ " Nickel

### Contact Type

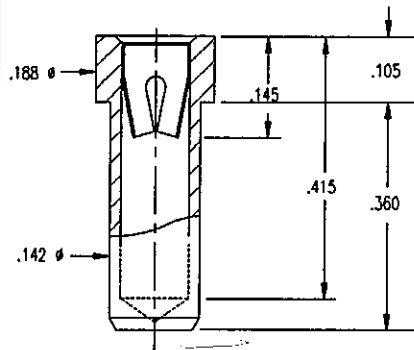
40 - 55 (See Data on page 109 & 112)

### 4290



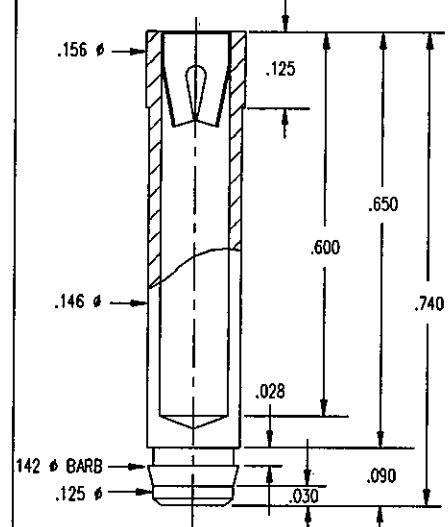
Press-fit in .138 Min. Mtg. Hole

### 4291



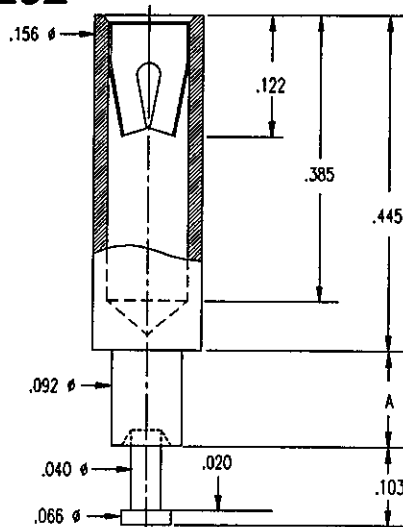
.144 Min. Mtg. Hole

### 4289



Press-fit in .136 Min. Mtg. Hole

### 4292



Swage Mount in .094 Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4292-1 | .062      | .094 |
| 4292-2 | .094      | .125 |
| 4292-3 | .125      | .156 |



**ELPAKCO, INC.**

2 Carl Thompson Road, Westford, MA 01886, Tel: 978-392-0400, Fax: 978-392-6814

## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

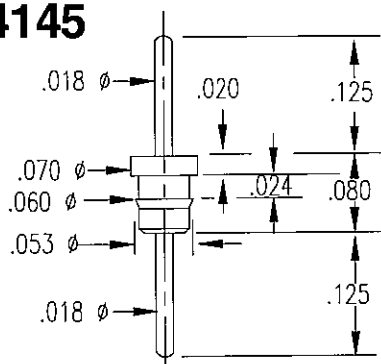
**4145 - X - XX**

Basic Part Number

### Pin Plating

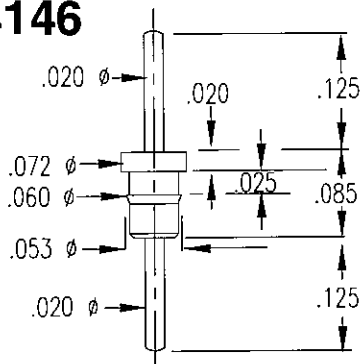
01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

**4145**



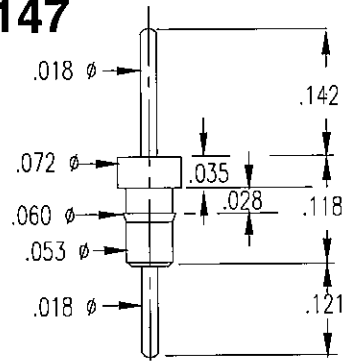
.057 Min. Mtg. Hole

**4146**



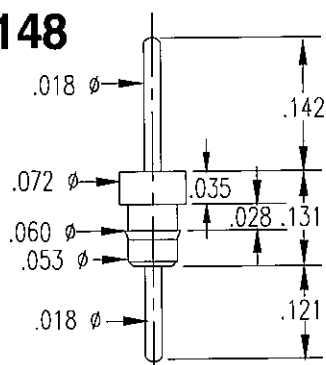
.057 Min. Mtg. Hole

**4147**



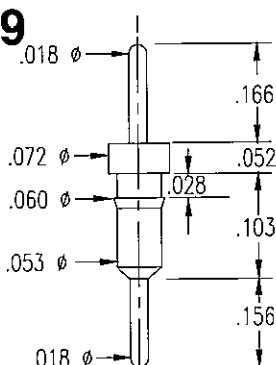
.057 Min. Mtg. Hole

**4148**



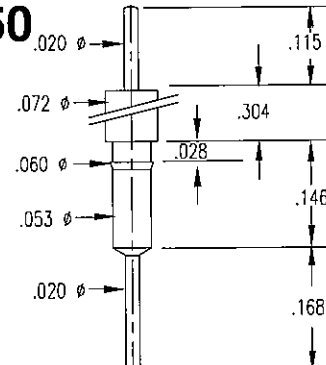
.057 Min. Mtg. Hole

**4149**



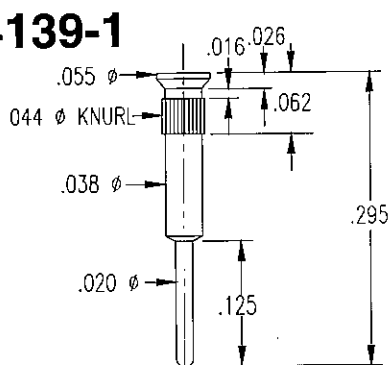
.057 Min. Mtg. Hole

**4150**



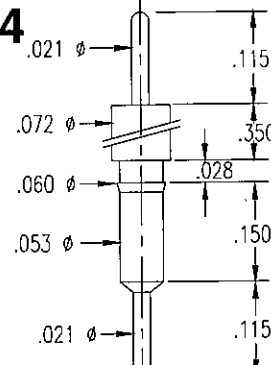
.057 Min. Mtg. Hole

**4139-1**



.040 Min. Mtg. Hole

**4154**



.057 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

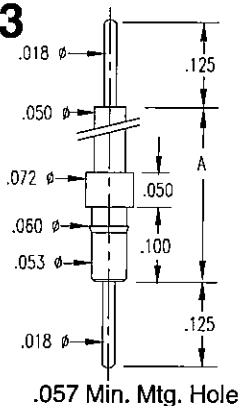
**4153 - X - XX**

Basic Part Number

### Pin Plating

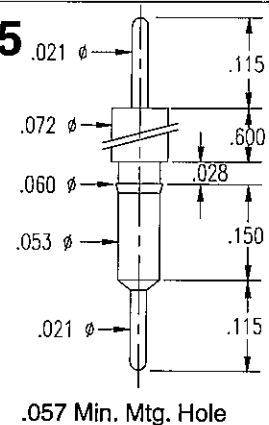
01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

**4153**

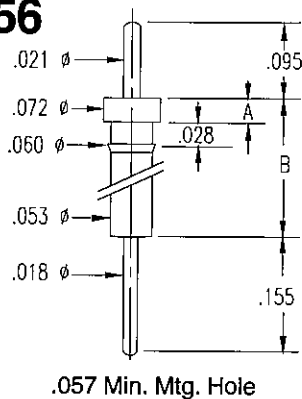


| P/N    | A    |
|--------|------|
| 4153-1 | .210 |
| 4153-2 | .335 |
| 4153-3 | .585 |
| 4153-4 | .835 |

**4155**

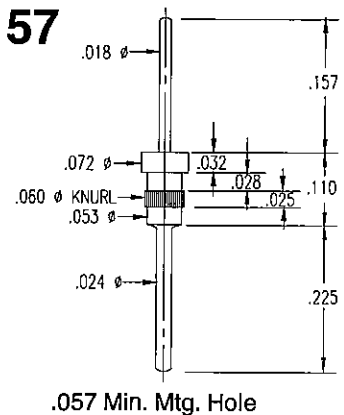


**4156**

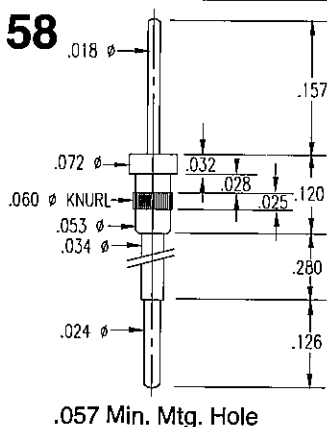


| P/N    | K    | S    |
|--------|------|------|
| 4156-1 | .030 | .190 |
| 4156-2 | .040 | .430 |

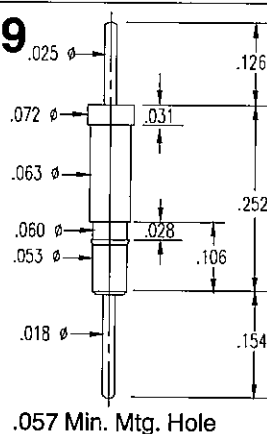
**4157**



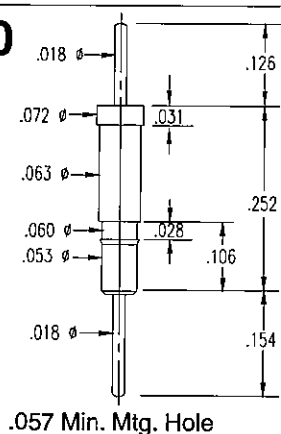
**4158**



**4159**



**4160**



**ELPAKCO, INC.**

2 Carl Thompson Road, Westford, MA 01886, Tel: 978-392-0400, Fax: 978-392-6814

## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

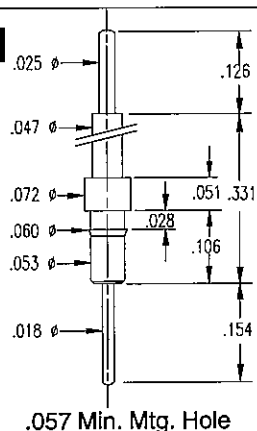
**4161 - X - XX**

Basic Part Number

### Pin Plating

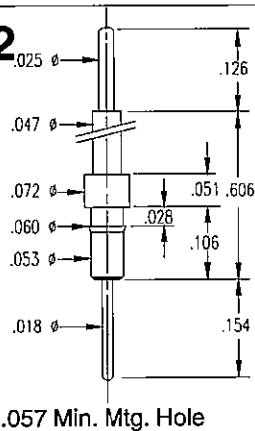
01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

**4161**



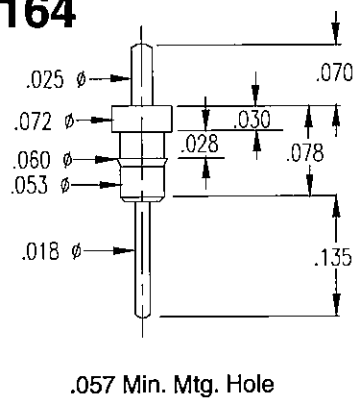
.057 Min. Mtg. Hole

**4162**



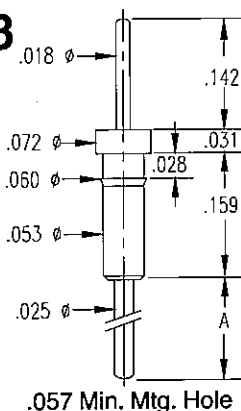
.057 Min. Mtg. Hole

**4164**



.057 Min. Mtg. Hole

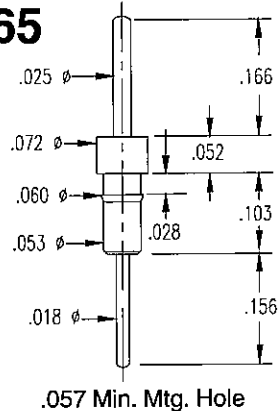
**4163**



.057 Min. Mtg. Hole

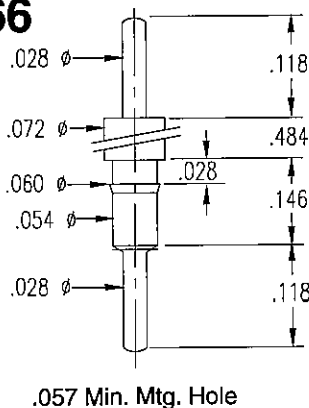
| P/N    | A    |
|--------|------|
| 4163-1 | .210 |
| 4163-2 | .410 |

**4165**



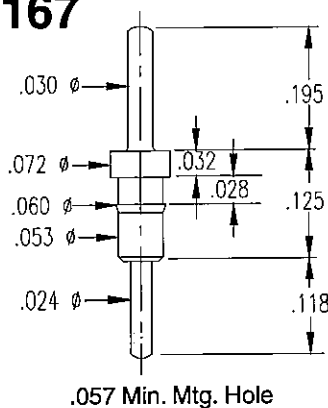
.057 Min. Mtg. Hole

**4166**



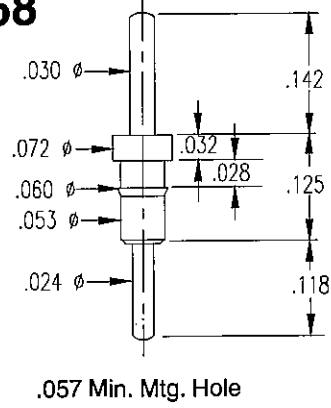
.057 Min. Mtg. Hole

**4167**



.057 Min. Mtg. Hole

**4168**



.057 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

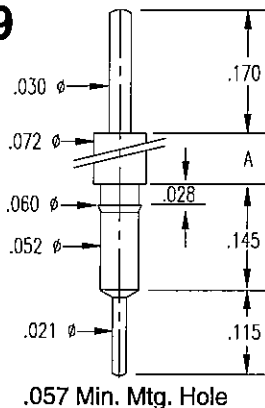
**4169 - X - XX**

Basic Part Number

### Pin Plating

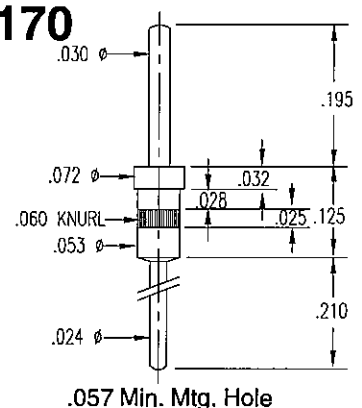
01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

### 4169

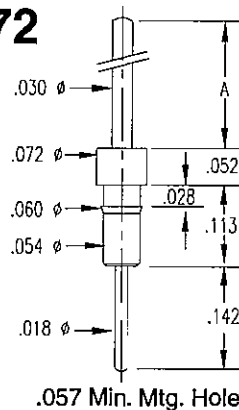


| P/N    | A    |
|--------|------|
| 4169-1 | .052 |
| 4169-2 | .100 |
| 4169-3 | .170 |
| 4169-4 | .460 |
| 4169-5 | .934 |

### 4170

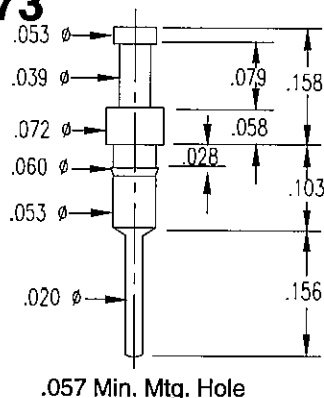


### 4172

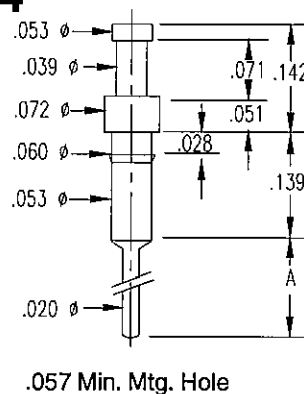


| P/N    | A    |
|--------|------|
| 4172-1 | .417 |
| 4172-2 | .217 |

### 4173



### 4174



| P/N    | A    |
|--------|------|
| 4174-1 | .121 |
| 4174-2 | .181 |



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

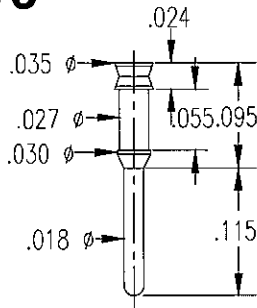
**4176 - X - XX**

Basic Part Number

### Pin Plating

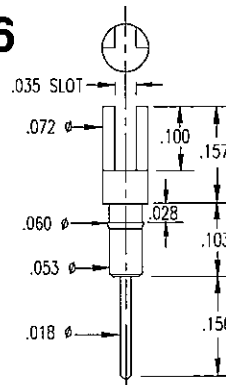
01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

**4175**



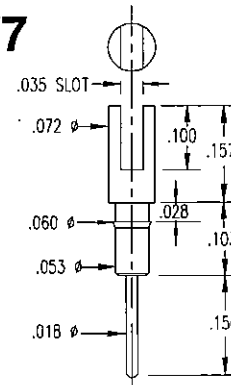
Press-fit in .029 Min. Mtg. Hole

**4176**



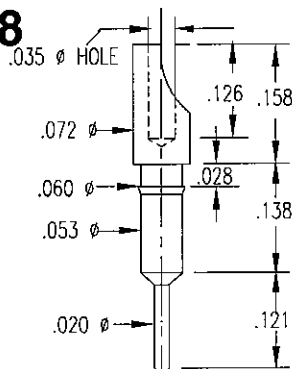
.057 Min. Mtg. Hole

**4177**



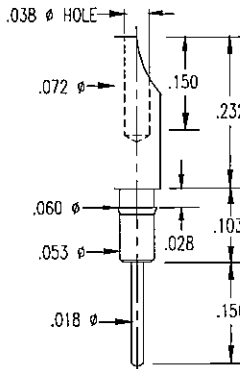
.057 Min. Mtg. Hole

**4178**



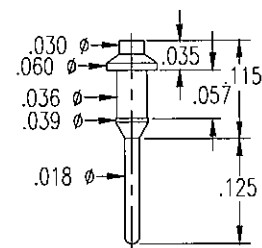
.057 Min. Mtg. Hole

**4179**



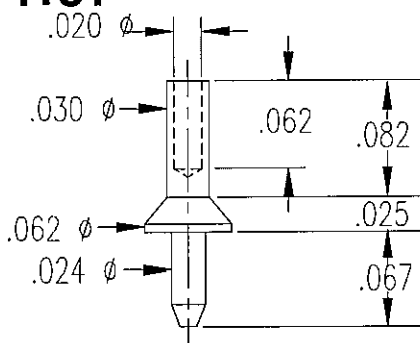
.057 Min. Mtg. Hole - PhBr

**4180**



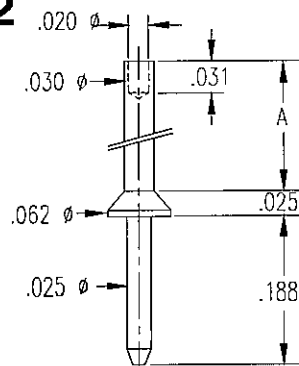
.038 Min. Mtg. Hole

**4181**



Swage Mount in .035 Min. Mtg. Hole

**4182**



Swage Mount in .035 Min. Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4182-1 | .031      | .047 |
| 4182-2 | .062      | .078 |
| 4182-3 | .094      | .110 |
| 4182-4 | .125      | .141 |



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

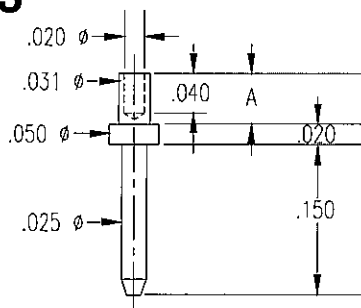
**4183 - X - XX**

Basic Part Number

### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

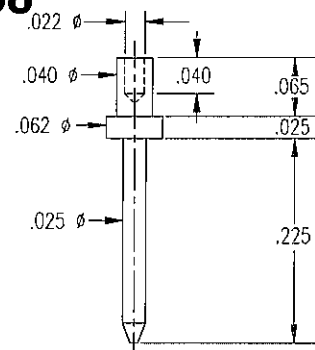
### 4183



| P/N    | A    |
|--------|------|
| 4183-1 | .051 |
| 4183-2 | .082 |

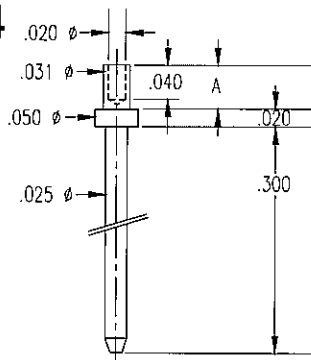
Swage Mount in .035 Min. Mtg. Hole

### 4188



Swage Mount in .043 Min. Mtg. Hole

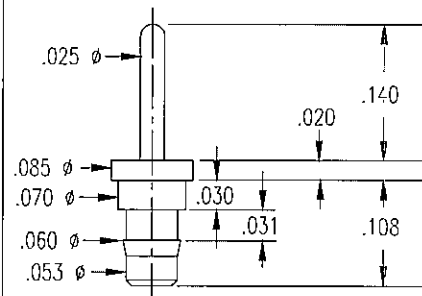
### 4184



| P/N    | A    |
|--------|------|
| 4184-1 | .051 |
| 4184-2 | .082 |

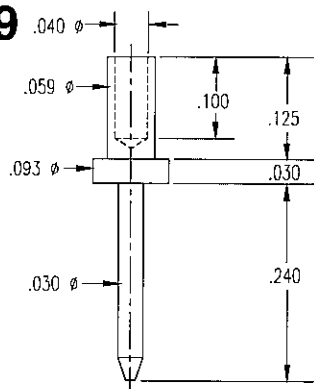
Swage Mount in .035 Min. Mtg. Hole

### 4193



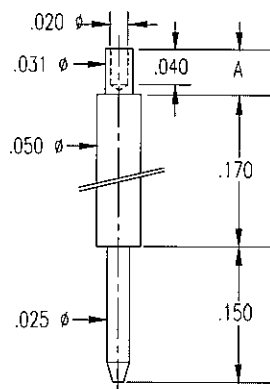
.057 Min. Mtg. Hole

### 4199



Swage Mount in .062 Min. Mtg. Hole

### 4185



Swage Mount in .035 Min. Mtg. Hole

| P/N    | A    |
|--------|------|
| 4185-1 | .051 |
| 4185-2 | .082 |



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

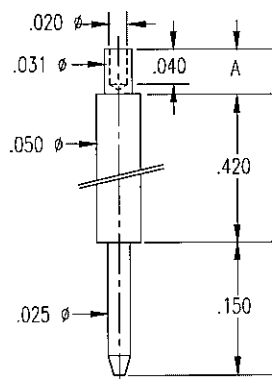
**4186 - X - XX**

Basic Part Number

### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

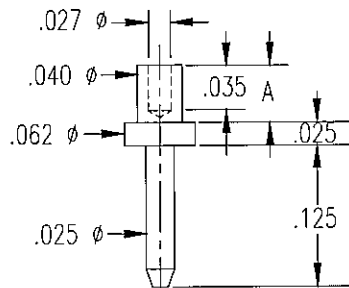
**4186**



| P/N    | A    |
|--------|------|
| 4186-1 | .051 |
| 4186-2 | .082 |

Swage Mount in .035 Min. Mtg. Hole

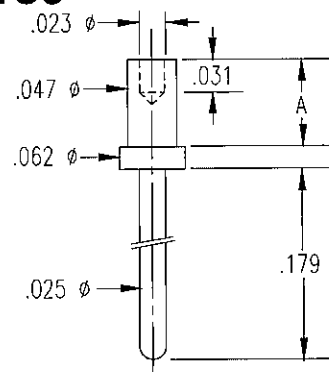
**4187**



| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4187-1 | .031      | .051 |
| 4187-2 | .062      | .082 |
| 4187-3 | .094      | .113 |

Swage Mount in .043 Min. Mtg. Hole

**4189**



| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4189-1 | .031      | .051 |
| 4189-2 | .062      | .082 |
| 4189-3 | .094      | .113 |
| 4189-4 | .125      | .145 |

Swage Mount in .052 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

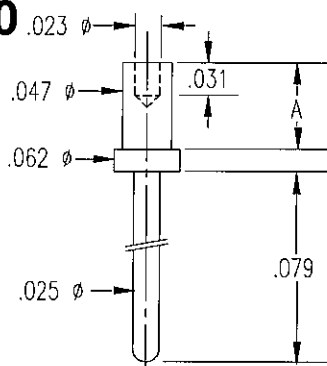
**4190 - X - XX**

Basic Part Number

### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

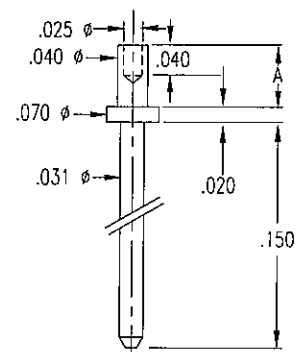
### 4190



Swage Mount in .052 Min. Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4190-1 | .031      | .051 |
| 4190-2 | .062      | .082 |
| 4190-3 | .094      | .113 |
| 4190-4 | .125      | .145 |

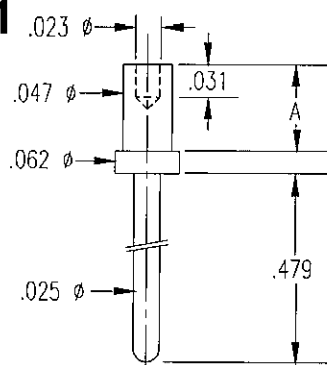
### 4194



Swage Mount in .043 Min. Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4194-1 | .031      | .051 |
| 4194-2 | .062      | .082 |
| 4194-3 | .094      | .113 |

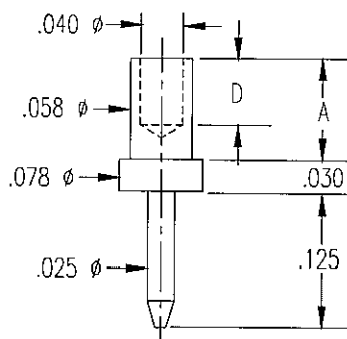
### 4191



Swage Mount in .052 Min. Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4191-1 | .031      | .051 |
| 4191-2 | .062      | .082 |
| 4191-3 | .094      | .113 |
| 4191-4 | .125      | .145 |

### 4192



Swage Mount in .062 Min. Mtg. Hole

| P/N    | Board Thk | A    | D    |
|--------|-----------|------|------|
| 4192-1 | .031      | .062 | .040 |
| 4192-2 | .062      | .094 | .062 |
| 4192-3 | .094      | .125 | .062 |
| 4192-4 | .125      | .156 | .062 |



**ELPAKCO, INC.**

2 Carl Thompson Road, Westford, MA 01886, Tel: 978-392-0400, Fax: 978-392-6814

## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

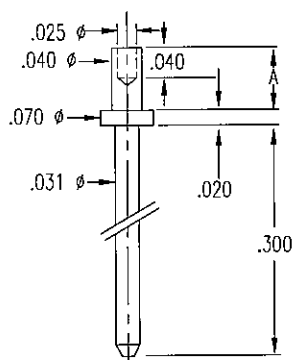
**4194 - X - XX**

Basic Part Number

### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

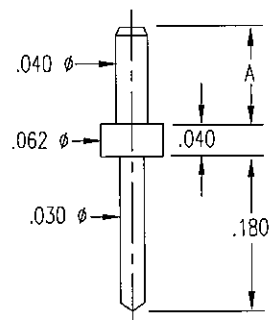
### 4195



Swage Mount in .043 Min. Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4195-1 | .031      | .051 |
| 4195-2 | .062      | .082 |
| 4195-3 | .094      | .113 |

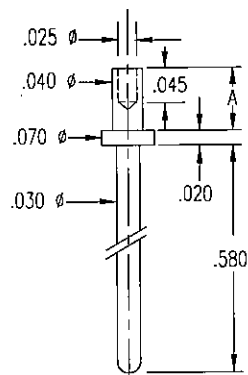
### 4198



Swage Mount in .043 Min. Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4198-1 | .062      | .082 |
| 4198-2 | .094      | .110 |
| 4198-3 | .125      | .145 |
| 4198-4 | .156      | .185 |

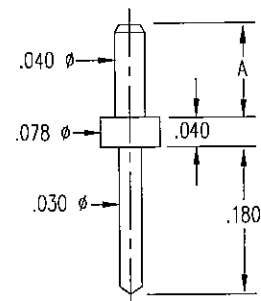
### 4196



Swage Mount in .043 Min. Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4196-1 | .031      | .051 |
| 4196-2 | .062      | .082 |

### 4197



Swage Mount in .043 Min. Mtg. Hole

| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4197-1 | .062      | .082 |
| 4197-2 | .094      | .110 |
| 4197-3 | .125      | .145 |



**ELPAKCO, INC.**

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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

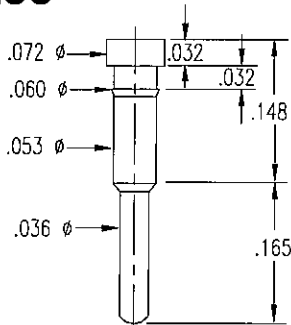
**4200 - X - XX**

Basic Part Number

### Pin Plating

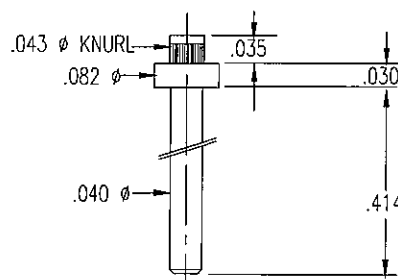
01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

### 4200



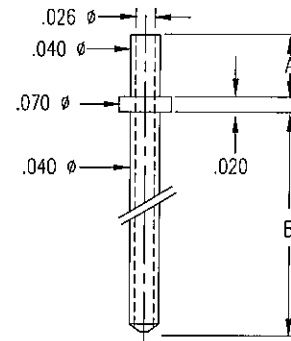
Press-fit in .057 Min. Mtg. Hole

### 4201

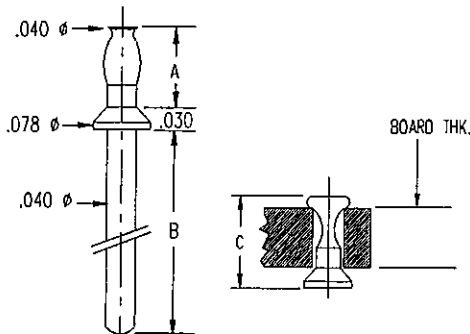


Press-fit in .040 Min. Mtg. Hole

### 4219 - 4221



### 4202 to 4205



Swage Mount in .043 Min. Mtg. Hole with Flat Surface Punch

| P/N    | B    |
|--------|------|
| 4202-X | .470 |
| 4203-X | .562 |
| 4204-X | .950 |
| 4205-X | .870 |

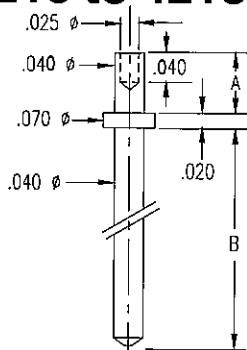
| -X | Board Thk | A    | C    |
|----|-----------|------|------|
| 1  | .031      | .080 | .080 |
| 2  | .062      | .110 | .110 |

| P/N    | B    |
|--------|------|
| 4219-X | .100 |
| 4220-X | .150 |
| 4221-X | .300 |

| -X | Board Thk | A    |
|----|-----------|------|
| 1  | .031      | .051 |
| 2  | .062      | .082 |
| 3  | .094      | .113 |

Swage Mount in .043 Min. Mtg. Hole

### 4213 to 4218

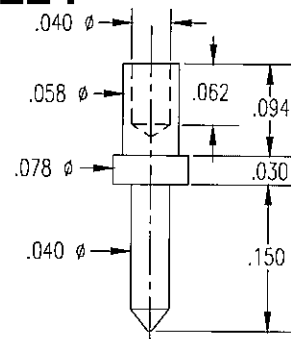


Swage Mount in .043 Min. Mtg. Hole

| P/N    | B     |
|--------|-------|
| 4213-X | .150  |
| 4214-X | .188  |
| 4215-X | .300  |
| 4216-X | .500  |
| 4217-X | .750  |
| 4218-X | 1.000 |

| -X | Board Thk | A    |
|----|-----------|------|
| 1  | .031      | .051 |
| 2  | .062      | .082 |
| 3  | .094      | .113 |

### 4224



Swage Mount in .062 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

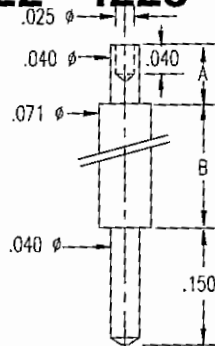
**4222 - X - XX**

Basic Part Number

### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

### 4222 - 4223

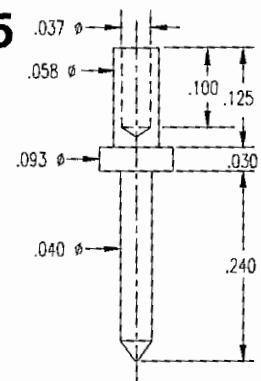


| P/N    | B    |
|--------|------|
| 4222-X | .170 |
| 4223-X | .420 |

| -X | Board Thk | A    |
|----|-----------|------|
| 1  | .031      | .051 |
| 2  | .062      | .082 |
| 3  | .094      | .113 |

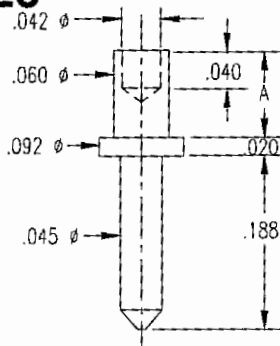
Swage Mount in .043 Min. Mtg. Hole

### 4225



Swage Mount in .062 Min. Mtg. Hole

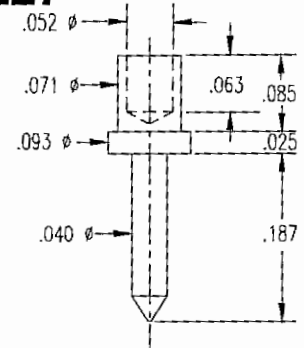
### 4226



| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4226-X | .031      | .062 |
| 4226-X | .062      | .094 |
| 4226-X | .094      | .125 |
| 4226-X | .125      | .156 |

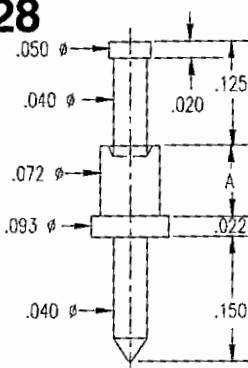
Swage Mount in .064 Min. Mtg. Hole

### 4227



Swage Mount in .073 Min. Mtg. Hole

### 4228



| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4228-X | .031      | .051 |
| 4228-X | .062      | .082 |
| 4228-X | .094      | .113 |
| 4228-X | .125      | .145 |

Swage Mount in .076 Min. Mtg. Hole



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

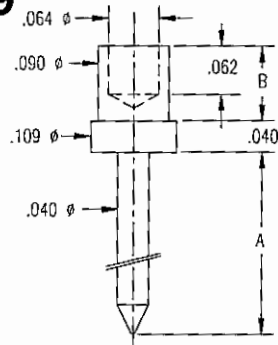
**4229 - X - XX**

Basic Part Number

### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

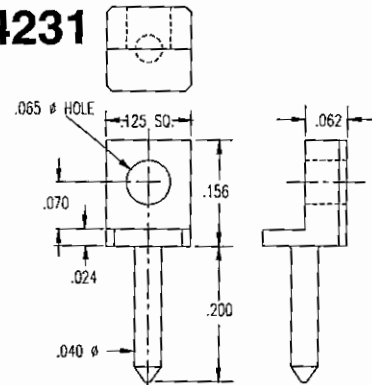
### 4229



| P/N    | Board Thk | A    | B    |
|--------|-----------|------|------|
| 4229-X | .031      | .200 | .065 |
| 4229-X | .062      | .230 | .095 |
| 4229-X | .094      | .260 | .125 |
| 4229-X | .125      | .290 | .155 |

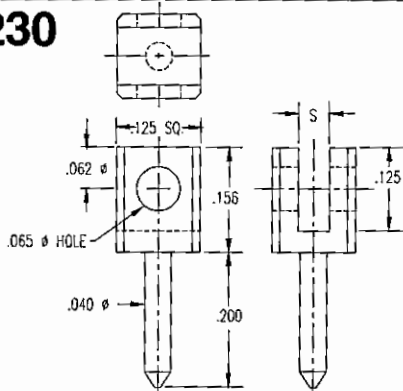
Swage Mount in .094 Min. Mtg. Hole

### 4231



Board Edge Rivet Mount

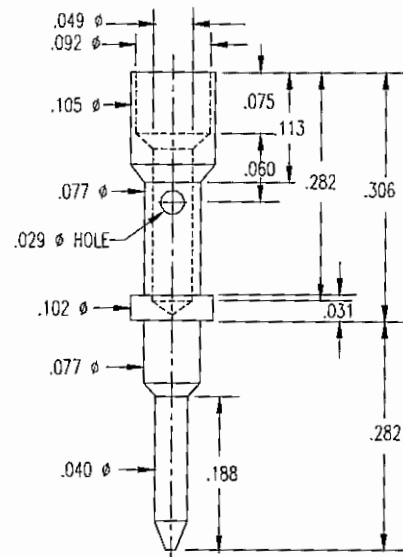
### 4230



Board Edge Rivet Mount

| P/N    | Board Thk | S    |
|--------|-----------|------|
| 4230-X | .031      | .046 |
| 4230-X | .062      | .075 |

### 4232



#20A Crimp Barrel



**ELPAKCO, INC.**

2 Carl Thompson Road, Westford, MA 01886, Tel: 978-392-0400, Fax: 978-392-6814

## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

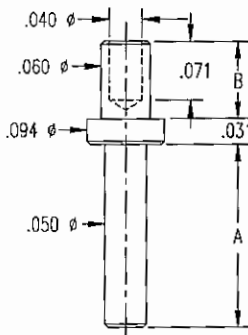
**4237 - X - XX**

Basic Part Number

### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

### 4237 to 4239

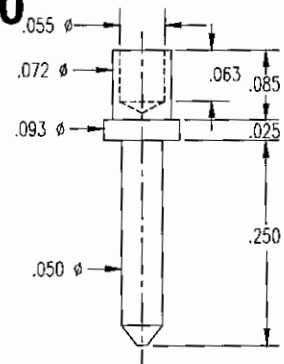


Swage Mount in .064 Min. Mtg. Hole

| P/N    | A    |
|--------|------|
| 4237-X | .094 |
| 4238-X | .219 |
| 4239-X | .282 |

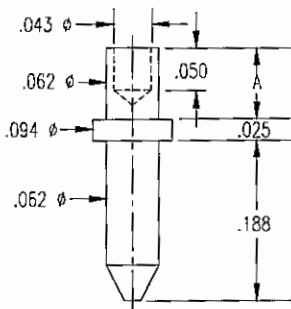
| -X | Board Thk | B    |
|----|-----------|------|
| 1  | .031      | .063 |
| 2  | .062      | .094 |
| 3  | .094      | .125 |
| 4  | .125      | .156 |

### 4240



Swage Mount in .076 Hole

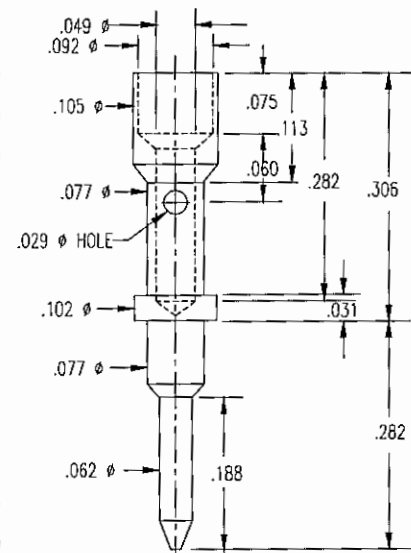
### 4242



Swage Mount in .067 Hole

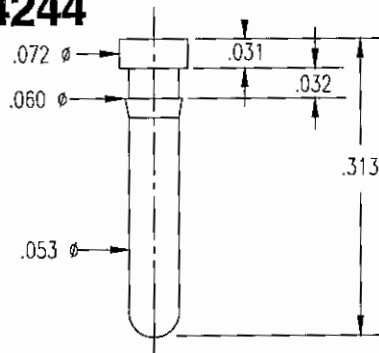
| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4242-1 | .031      | .053 |
| 4242-2 | .062      | .084 |
| 4242-3 | .094      | .115 |

### 4243



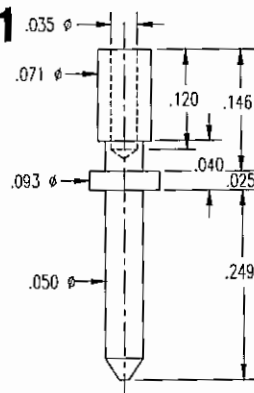
#20A Crimp Barrel

### 4244



Press-fit in .057 Mtg. Hole

### 4241



Wire Termination



**ELPAKCO, INC.**

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## Terminals

### SPECIFICATIONS

Terminal Material: Brass Alloy  
360, 1/2 Hard

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

Note: All dimensions are in inches

## Printed Circuit Pins

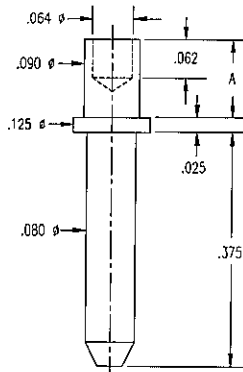
**4245 - X - XX**

Basic Part Number

### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

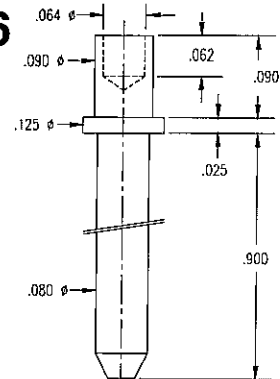
**4245**



| P/N    | Board Thk | A    |
|--------|-----------|------|
| 4245-1 | .062      | .094 |
| 4245-2 | .094      | .125 |
| 4245-3 | .125      | .156 |

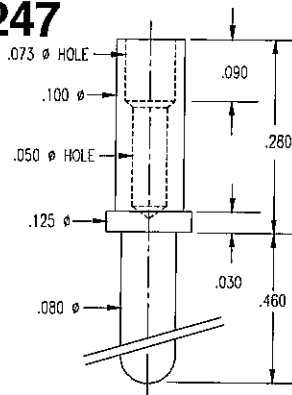
Swage Mount in .094 Min. Mtg. Hole

**4246**

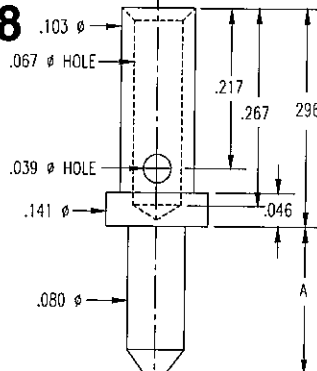


Swage Mount in .094 Min. Mtg. Hole

**4247**



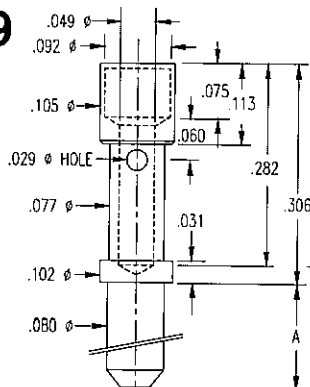
**4248**



#16A Crimp Barrel

| P/N    | A    |
|--------|------|
| 4248-1 | .200 |
| 4248-2 | .375 |
| 4248-3 | .500 |

**4249**



#20A Crimp Barrel

| P/N    | A    |
|--------|------|
| 4249-1 | .200 |
| 4249-2 | .375 |
| 4249-3 | .500 |



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Printed Circuit Pins

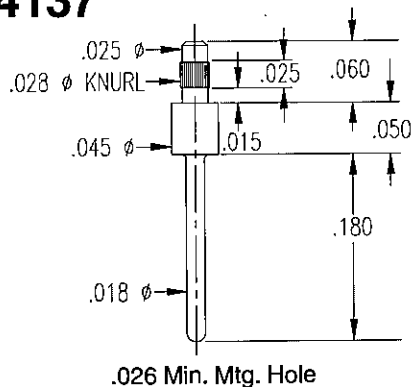
**4137 - X - XX**

Basic Part Number

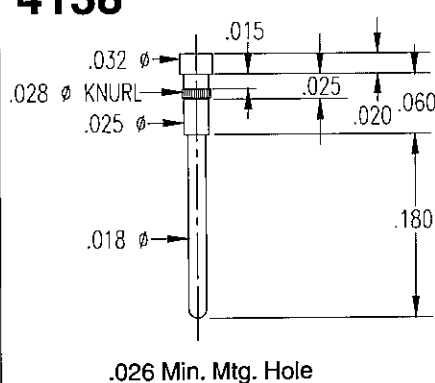
### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

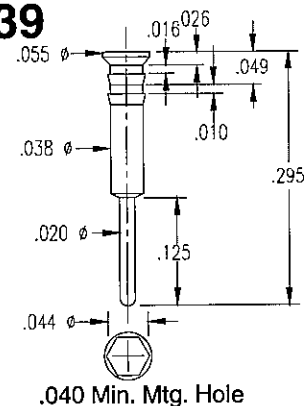
### 4137



### 4138

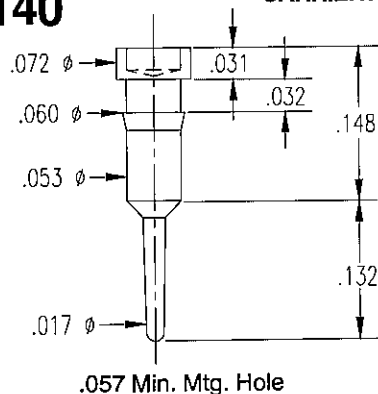


### 4139

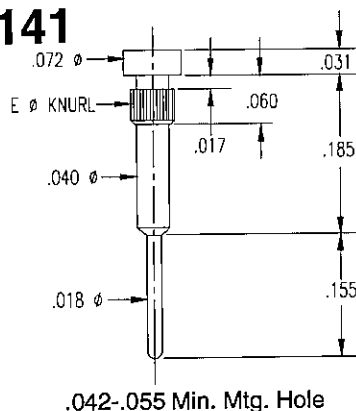


### 4140

CARRIER PIN

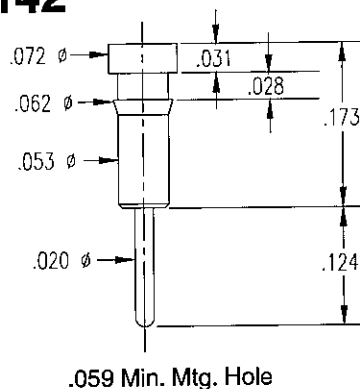


### 4141

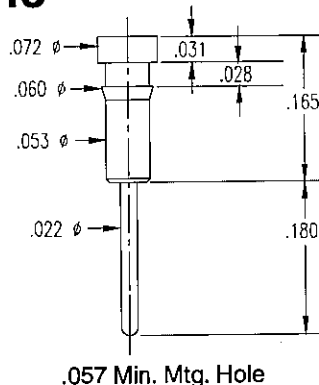


| P/N    | E    | Mtg. Hole |
|--------|------|-----------|
| 4141-1 | .058 | .055      |
| 4141-2 | .045 | .042      |

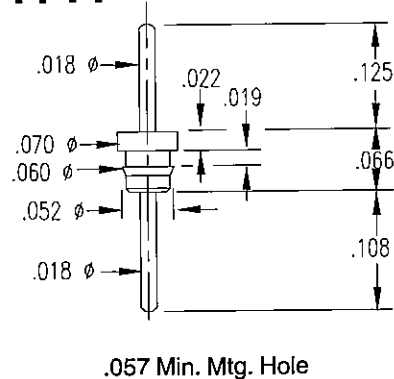
### 4142



### 4143



### 4144



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## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Wire Wrap Terminals

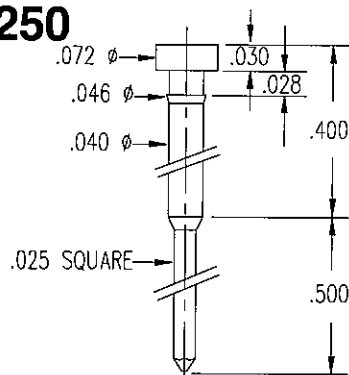
**4250 - X - XX**

Basic Part Number

### Pin Plating

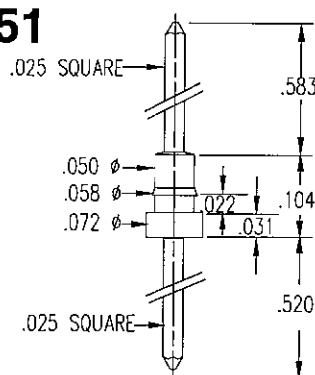
01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

### 4250



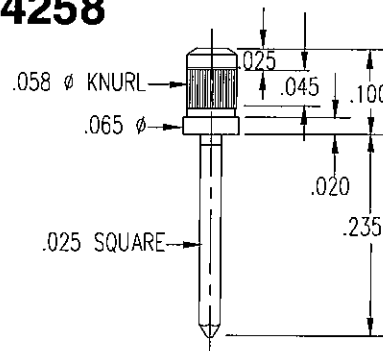
Press-fit in .042 Min. Mtg. Hole

### 4251



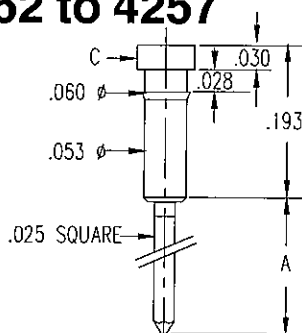
Press-fit in .053 Min. Mtg. Hole

### 4258



Press-fit in .055 Min. Mtg. Hole

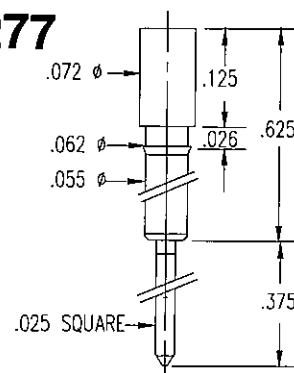
### 4252 to 4257



Press-fit in .056 Min. Mtg. Hole

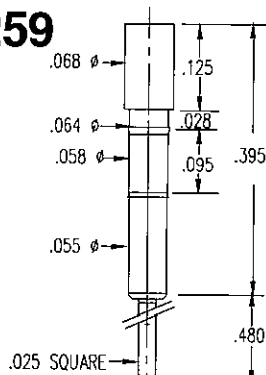
| P/N    | # of Wraps | A    | C    |
|--------|------------|------|------|
| 4252-1 | 1          | .260 | .072 |
| 4253-2 | 2          | .360 | .072 |
| 4254-3 | 3          | .500 | .072 |
| 4255-1 | 1          | .260 | .062 |
| 4256-2 | 2          | .360 | .062 |
| 4257-3 | 3          | .500 | .062 |

### 4277



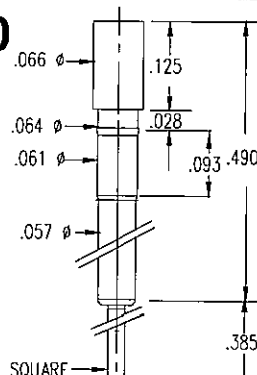
Press-fit in .057 Min. Mtg. Hole

### 4259



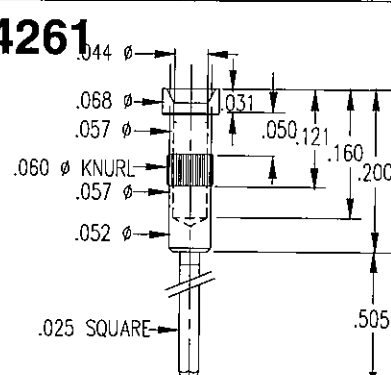
#20A Crimp Barrel

### 4260



Press-fit in .060 Mtg. Hole

### 4261



Press-fit in .056 Mtg. Hole



**ELPAKCO, INC.**

2 Carl Thompson Road, Westford, MA 01886, Tel: 978-392-0400, Fax: 978-392-6814

## Terminals

### SPECIFICATIONS

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

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

Note: All dimensions are in inches

## Wire Wrap Terminals

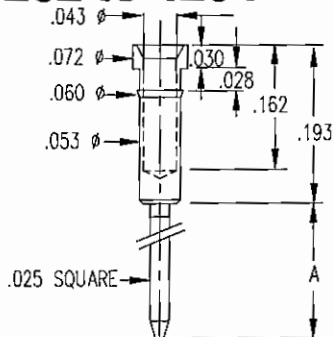
**4262 - X - XX**

Basic Part Number

### Pin Plating

01 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel  
02 - 10 $\mu$ " Gold over 100 $\mu$ " Nickel  
03 - 30 $\mu$ " Gold over 100 $\mu$ " Nickel  
04 - 50 $\mu$ " Gold over 100 $\mu$ " Nickel

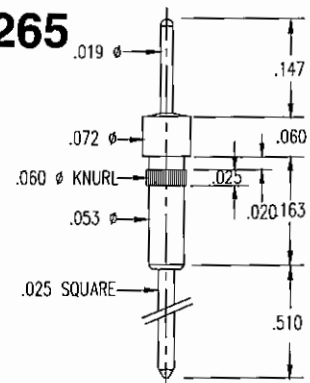
### 4262 to 4264



Press-fit in .056 Min. Mtg. Hole

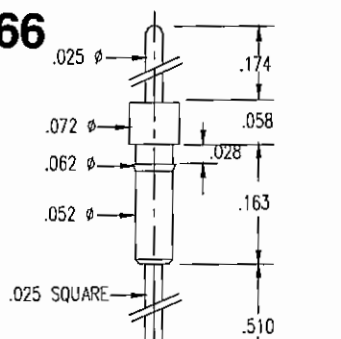
| P/N    | # of Wraps | A    |
|--------|------------|------|
| 4262-1 | 1          | .260 |
| 4263-2 | 2          | .360 |
| 4264-3 | 3          | .500 |

### 4265



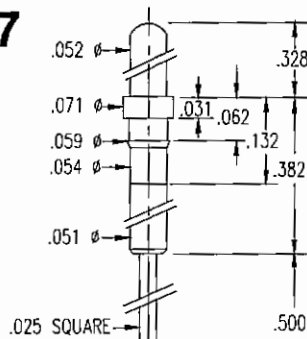
Press-fit in .057 Min. Mtg. Hole

### 4266



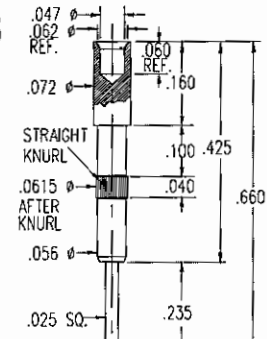
Press-fit in .059 Min. Mtg. Hole

### 4267



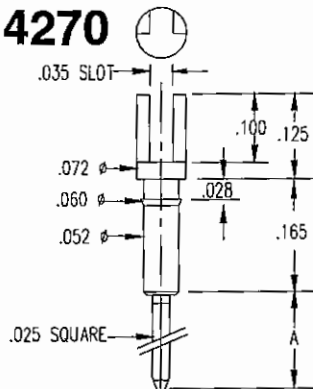
Press-fit in .056 Min. Mtg. Hole

### 4283



Press-fit in .0595 Min. Mtg. Hole

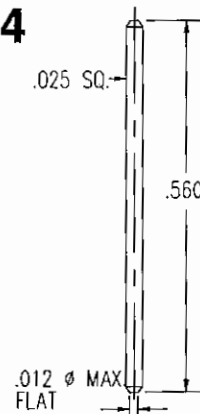
### 4268 to 4270



Press-fit in .057 Min. Mtg. Hole

| P/N    | # of Wraps | A    |
|--------|------------|------|
| 4268-1 | 1          | .260 |
| 4269-2 | 2          | .360 |
| 4270-3 | 3          | .510 |

### 4284



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## Series PMP

### DESCRIPTION

This section shows one of the most comprehensive lines of terminals in the electronics industry.

Elpakco stocks large quantities of every possible configuration of terminals in a variety of plating options.

Also many of the terminals can be customized to customer supplied specifications.

### SPECIFICATIONS

**Terminal Material:** Brass Alloy 360 1/2 hard per QQ-B-626. Phosphor Bronze Alloy 544 per QQ-B-750.

**Terminal Plating:** Gold per MIL-G-45204, Type I, Grade C. Silver per QQ-S-365, Type III, Grade A. Tin per MIL-T-10727, Type I. Electro Solder per MIL-P-81728. Nickel per QQ-N-290. Copper per MIL-C-14550.

## Technical Specifications

### GENERAL SPECIFICATIONS

When applicable, Elpakco products and procedures are designed to meet the following general specifications:

|                      |                                                                   |
|----------------------|-------------------------------------------------------------------|
| <b>MIL-STD-105</b>   | Sampling procedures                                               |
| <b>MIL-STD-109</b>   | Quality assurance terms and conditions                            |
| <b>MIL-STD-202E</b>  | Test measures for electronic and electrical component parts       |
| <b>MIL-STD-1130B</b> | Connections, electrical, solderless, wrapped                      |
| <b>MIL-STD-1344A</b> | Test methods for electrical connectors                            |
| <b>MIL-STD-45662</b> | Calibration system requirements                                   |
| <b>MIL-C-39029</b>   | General specifications for contacts, electrical connector         |
| <b>MIL-I-45208</b>   | Inspection equipment, acquisition, maintenance and disposition of |
| <b>MIL-S-83505</b>   | General Specification for sockets (lead, electronic components)   |
| <b>ASTM-B487-79</b>  | Measuring metal coating by examination of a cross section         |
| <b>ASTM-A754-79</b>  | Standard test methods for coating thickness by X-ray fluorescence |

***All Terminals are  
made to exacting  
standards!***

## Series PMP

### CUSTOM TERMINALS

Elpakco has a large inventory of material used for the manufacturing of custom solder terminals. Below is a list of what type of raw material is available (measured in diameters):

**Brass Alloy 360 1/2 hard:**  
.072 - .078 - .125 - .156 - .187

**Brass Alloy 360 1/4 hard:**  
.072 - .078

**Brass Tubing:**  
.072 OD x .020 ID -  
.072 OD x .025 ID

**Phosphor Bronze:**  
.062 - .072 - .078

### TOLERANCES

Length:  $\pm 0.005$   
Diameters:  $\pm 0.002$   
Angles:  $\pm 2^\circ$

Note: All dimensions are in inches

## Ordering Information

**1D2 - 307 - 1**

Basic Part Number

Terminal Plating

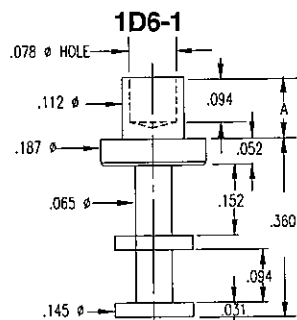
- 1 - 300 $\mu$ " Silver over 100 $\mu$ " Copper
- 3 - 200 $\mu$ " Tin over 100 $\mu$ " Nickel
- 4 - 300 $\mu$ " Electro-Solder over 100 $\mu$ " Copper

Note: Standard plating is Silver (-1). Other plating options are available upon request.



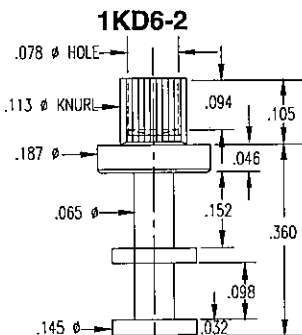
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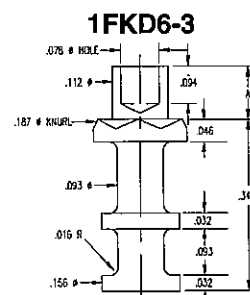
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1D6-1A      | .078 | .031    |
| 1D6-1B      | .109 | .062    |
| 1D6-1C      | .140 | .094    |
| 1D6-1D      | .172 | .125    |
| 1D6-1E      | .195 | .156    |
| 1D6-1F      | .234 | .188    |
| 1D6-1G      | .293 | .250    |

Swage Mount in .116 Hole



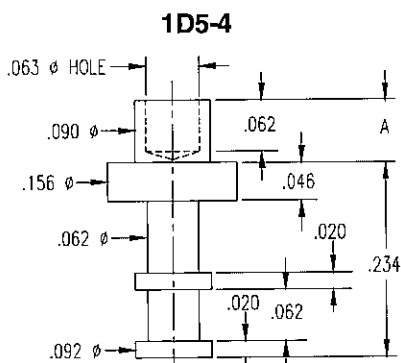
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1KD6-2A     | .075 | .031    |
| 1KD6-2B     | .105 | .062    |
| 1KD6-2C     | .135 | .094    |
| 1KD6-2D     | .165 | .125    |
| 1KD6-2E     | .195 | .156    |
| 1KD6-2F     | .230 | .187    |

Swage Mount in .116 Hole



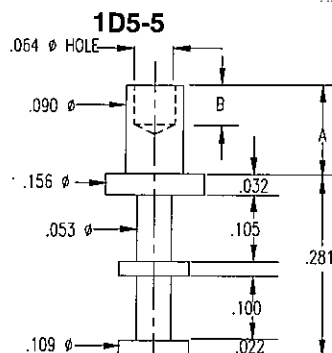
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1FKD6-3A    | .075 | .031    |
| 1FKD6-3B    | .105 | .062    |
| 1FKD6-3C    | .135 | .094    |
| 1FKD6-3D    | .165 | .125    |
| 1FKD6-3E    | .195 | .156    |
| 1FKD6-3F    | .230 | .187    |

Swage Mount in .116 Hole



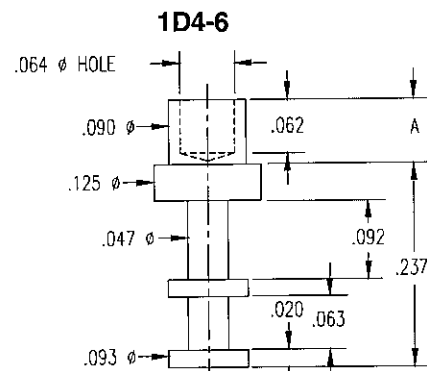
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1D5-4A      | .075 | .031    |
| 1D5-4B      | .105 | .062    |
| 1D5-4C      | .135 | .094    |
| 1D5-4D      | .165 | .125    |

Swage Mount in .094 Hole



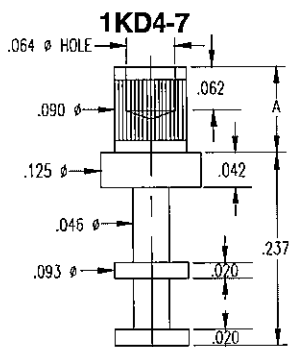
| Part Number | 'A'  | 'B'  | Bd. Tk. |
|-------------|------|------|---------|
| 1D5-5A      | .075 | .063 | .031    |
| 1D5-5B      | .105 | .093 | .062    |
| 1D5-5C      | .135 | .093 | .094    |
| 1D5-5D      | .165 | .093 | .125    |

Swage Mount in .094 Hole



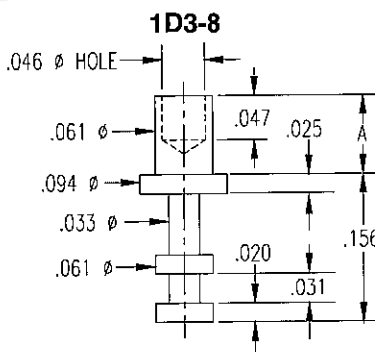
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1D4-6A      | .075 | .031    |
| 1D4-6B      | .105 | .062    |
| 1D4-6C      | .135 | .094    |
| 1D4-6D      | .165 | .125    |

Swage Mount in .094 Hole



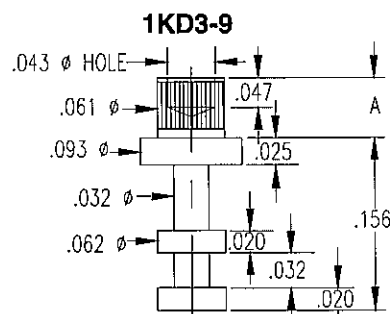
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1KD4-7A     | .075 | .031    |
| 1KD4-7B     | .105 | .062    |
| 1KD4-7C     | .135 | .094    |
| 1KD4-7D     | .165 | .125    |

Press-fit & Swage Mount in .088 Hole



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1D3-8AA     | .037 | .016    |
| 1D3-8A      | .053 | .031    |
| 1D3-8B      | .084 | .062    |
| 1D3-8C      | .115 | .094    |
| 1D3-8D      | .147 | .125    |

Swage Mount in .064 Hole



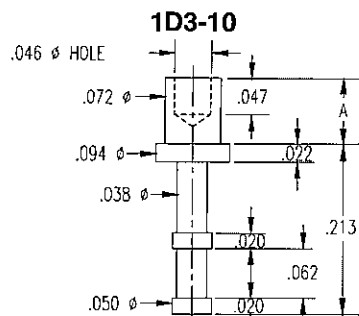
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1KD3-9AA    | .037 | .015    |
| 1KD3-9A     | .054 | .031    |
| 1KD3-9B     | .084 | .062    |
| 1KD3-9C     | .115 | .188    |
| 1KD3-9D     | .147 | .125    |

Press-fit & Swage Mount in .059 Hole



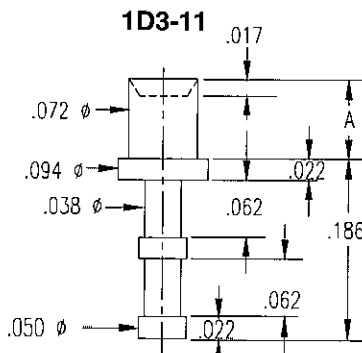
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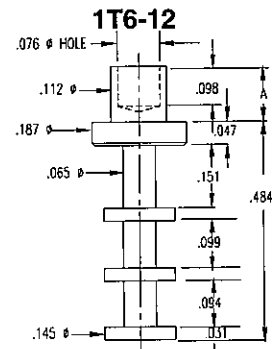
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1D3-10AA    | .037 | .016    |
| 1D3-10A     | .053 | .031    |
| 1D3-10B     | .084 | .062    |
| 1D3-10C     | .115 | .094    |
| 1D3-10D     | .147 | .125    |

Swage Mount in .076 Hole



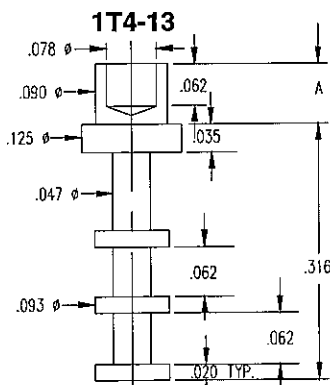
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1D3-11AA    | .037 | .016    |
| 1D3-11A     | .051 | .031    |
| 1D3-11B     | .082 | .062    |
| 1D3-11C     | .113 | .094    |
| 1D3-11D     | .145 | .125    |

Swage Mount in .076 Hole



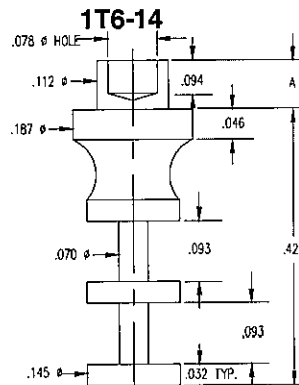
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1T6-12A     | .078 | .031    |
| 1T6-12B     | .109 | .062    |
| 1T6-12C     | .140 | .094    |
| 1T6-12D     | .171 | .125    |
| 1T6-12E     | .195 | .156    |
| 1T6-12F     | .230 | .187    |

Swage Mount in .116 Hole



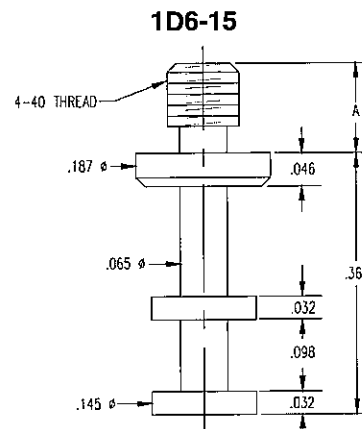
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1T4-13A     | .075 | .031    |
| 1T4-13B     | .105 | .062    |
| 1T4-13C     | .135 | .094    |
| 1T4-13D     | .165 | .125    |

Swage Mount in .094 Hole

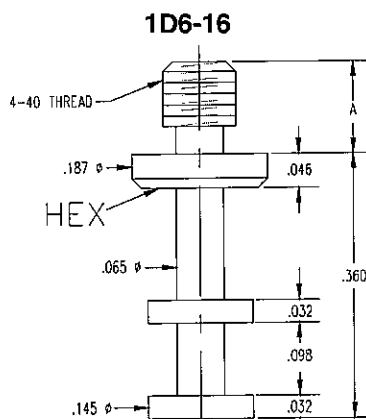


| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1T4-14A     | .075 | .031    |
| 1T4-14B     | .105 | .062    |
| 1T4-14C     | .135 | .094    |
| 1T4-14D     | .165 | .125    |

Swage Mount in .116 Hole

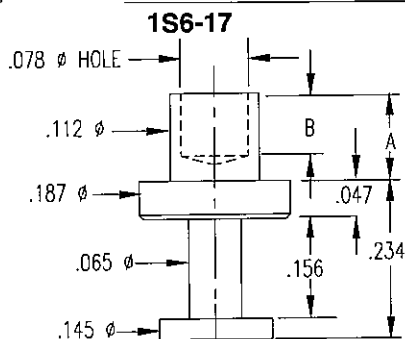


| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1D6-15D     | .125 |         |
| 1D6-15F     | .187 |         |



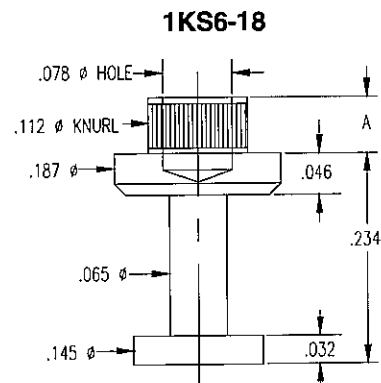
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1D6-16D     | .125 |         |
| 1D6-16F     | .187 |         |

HEX



| Part Number | 'A'  | 'B'  | Bd. Tk. |
|-------------|------|------|---------|
| 1S6-17A     | .074 | .068 | .031    |
| 1S6-17B     | .105 | .098 | .062    |
| 1S6-17C     | .135 | .098 | .094    |
| 1S6-17D     | .165 | .098 | .125    |
| 1S6-17E     | .195 | .098 | .156    |
| 1S6-17F     | .230 | .098 | .187    |

Swage Mount in .116 Hole



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1KS6-18A    | .075 | .031    |
| 1KS6-18B    | .105 | .062    |
| 1KS6-18C    | .135 | .094    |
| 1KS6-18D    | .165 | .125    |

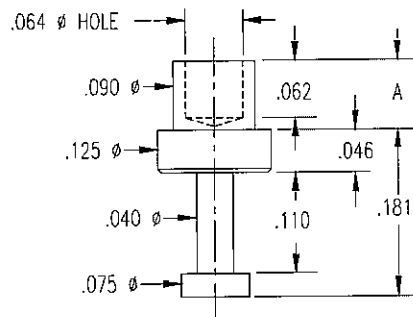
Swage Mount in .110 Hole



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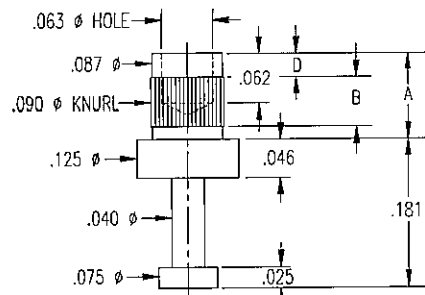
### 1S4-19



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1S4-19A     | .075 | .031    |
| 1S4-19B     | .105 | .062    |
| 1S4-19C     | .135 | .094    |
| 1S4-19D     | .165 | .125    |

Swage Mount in .094 Hole

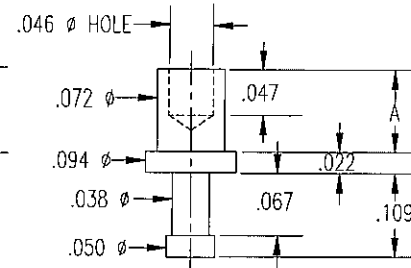
### 1KS4-20



| Part Number | 'A'  | 'B'  | 'D'  | Bd. Tk. |
|-------------|------|------|------|---------|
| 1KS4-20A    | .075 | .040 | .030 | .031    |
| 1KS4-20B    | .105 | .060 | .030 | .062    |
| 1KS4-20C    | .135 | .060 | .060 | .094    |
| 1KS4-20D    | .165 | .060 | .060 | .125    |

Press-fit & Swage Mount in .089 Hole

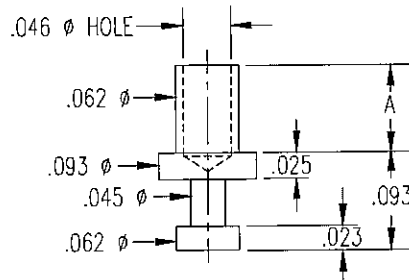
### 1S3-21



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1S3-21AA    | .037 | .016    |
| 1S3-21A     | .053 | .031    |
| 1S3-21B     | .084 | .062    |
| 1S3-21C     | .115 | .094    |
| 1S3-21D     | .147 | .125    |

Swage Mount in .077 Hole

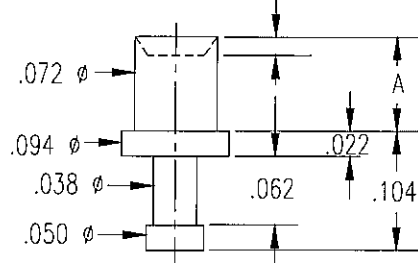
### 1S2-23



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1S2-23AA    | .037 | .016    |
| 1S2-23A     | .053 | .031    |
| 1S2-23B     | .084 | .062    |
| 1S2-23C     | .115 | .094    |
| 1S2-23D     | .147 | .125    |

Swage Mount in .067 Hole

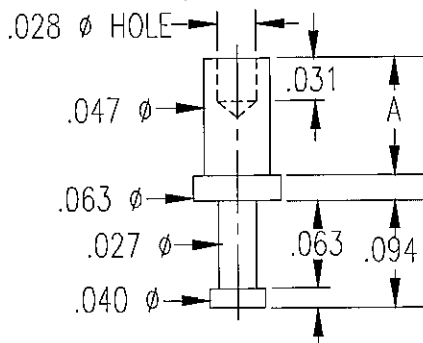
### 1S3-24



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1S3-24AA    | .037 | .016    |
| 1S3-24A     | .051 | .031    |
| 1S3-24B     | .082 | .062    |
| 1S3-24C     | .113 | .094    |
| 1S3-24D     | .145 | .125    |

Swage Mount in .076 Hole

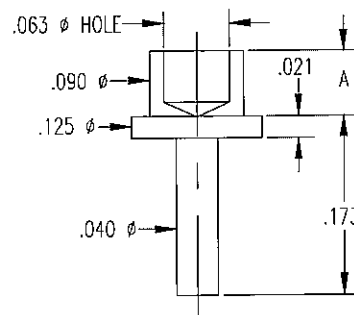
### 1S2-25



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1S2-25AA    | .035 | .016    |
| 1S2-25A     | .054 | .031    |
| 1S2-25B     | .084 | .062    |
| 1S2-25C     | .115 | .094    |
| 1S2-25D     | .147 | .125    |

Swage Mount in .052 Hole

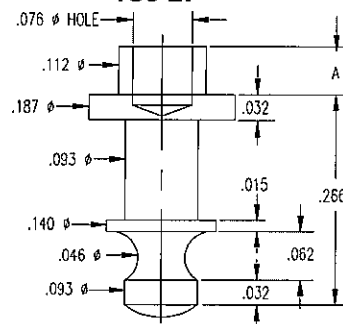
### 1P4-26



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1P4-26A     | .075 | .031    |
| 1P4-26B     | .105 | .062    |
| 1P4-26C     | .135 | .094    |
| 1P4-26D     | .165 | .125    |

Swage Mount in .094 Hole

### 1S6-27



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 1S6-26A     | .075 | .031    |
| 1S6-26B     | .105 | .062    |
| 1S6-26C     | .135 | .094    |
| 1S6-26D     | .165 | .125    |

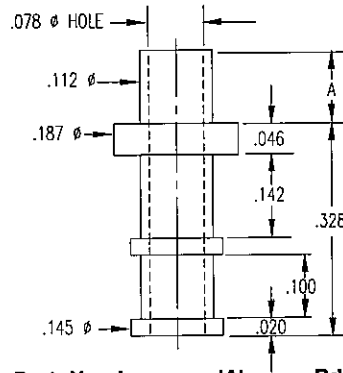
Swage Mount in .094 Hole



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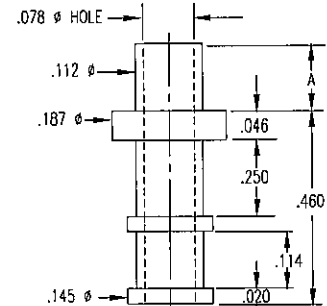
## 2D6-29



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2D6-29A     | .075 | .031    |
| 2D6-29B     | .105 | .062    |
| 2D6-29C     | .135 | .094    |
| 2D6-29D     | .165 | .125    |

Swage Mount in .116 Hole

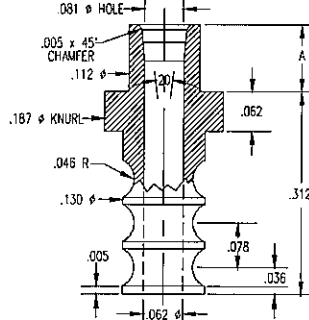
## 2D6-30



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2D6-30A     | .075 | .031    |
| 2D6-30B     | .105 | .062    |
| 2D6-30C     | .135 | .094    |
| 2D6-30D     | .165 | .125    |

Press-fit in .116 Hole

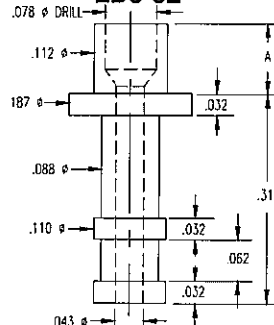
## 2D6-31



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2D6-31A     | .075 | .031    |
| 2D6-31B     | .105 | .062    |
| 2D6-31C     | .135 | .094    |
| 2D6-31D     | .165 | .125    |
| 2D6-31E     | .195 | .156    |
| 2D6-31F     | .230 | .187    |

Swage Mount in .116 Hole

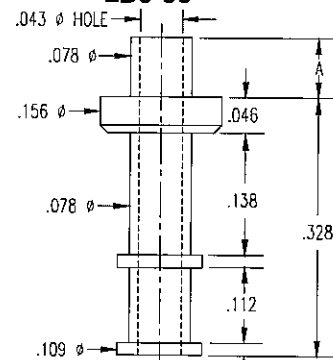
## 2D6-32



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2D6-32A     | .075 | .031    |
| 2D6-32B     | .105 | .062    |
| 2D6-32C     | .135 | .094    |
| 2D6-32D     | .165 | .125    |
| 2D6-32E     | .195 | .156    |
| 2D6-32F     | .230 | .187    |

Swage Mount in .116 Hole

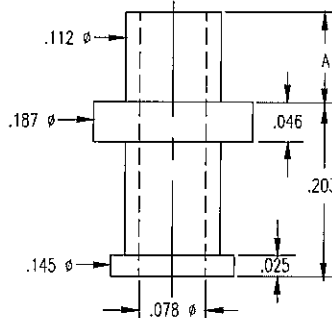
## 2D5-33



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2D5-33A     | .075 | .031    |
| 2D5-33B     | .105 | .062    |
| 2D5-33C     | .135 | .094    |
| 2D5-33D     | .165 | .125    |

Swage Mount in .082 Hole

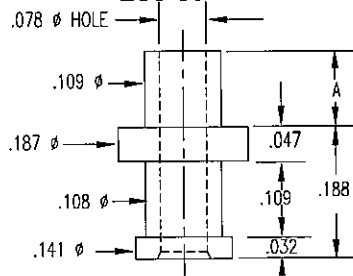
## 2S6-34



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2S6-34A     | .075 | .031    |
| 2S6-34B     | .105 | .062    |
| 2S6-34C     | .135 | .094    |
| 2S6-34D     | .165 | .125    |
| 2S6-34E     | .195 | .156    |
| 2S6-34F     | .230 | .187    |

Swage Mount in .116 Hole

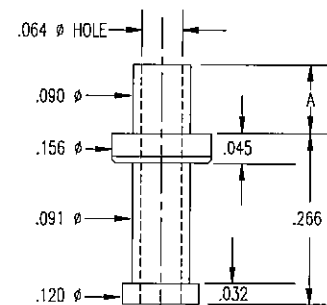
## 2S5-35



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2S5-35A     | .075 | .031    |
| 2S5-35B     | .105 | .062    |
| 2S5-35C     | .135 | .094    |
| 2S5-35D     | .165 | .125    |
| 2S5-35E     | .195 | .156    |
| 2S5-35F     | .230 | .187    |

Swage Mount in .113 Hole

## 2S5-36



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2S5-36A     | .077 | .031    |
| 2S5-36B     | .107 | .062    |
| 2S5-36C     | .137 | .094    |
| 2S5-36D     | .167 | .125    |

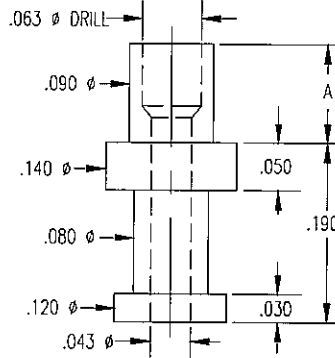
Swage Mount in .094 Hole



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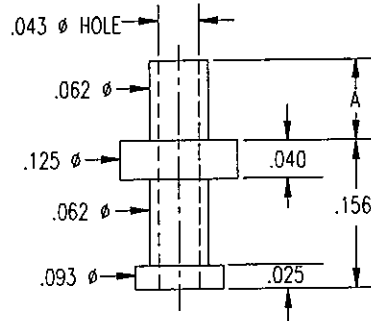
## 2S5-37



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2S5-37A     | .075 | .031    |
| 2S5-37B     | .105 | .062    |
| 2S5-37C     | .135 | .094    |
| 2S5-37D     | .165 | .125    |

Swage Mount in .094 Hole

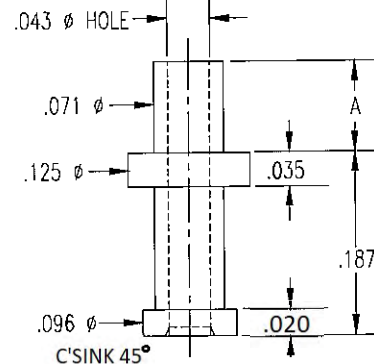
## 2S4-38



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2S4-38A     | .053 | .031    |
| 2S4-38B     | .084 | .062    |
| 2S4-38C     | .115 | .094    |
| 2S4-38D     | .147 | .125    |

Swage Mount in .067 Hole

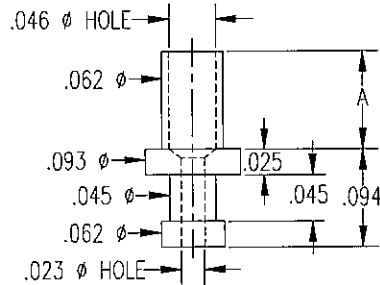
## 2S4-39



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2S4-39AA    | .037 | .016    |
| 2S4-39A     | .054 | .031    |
| 2S4-39B     | .084 | .062    |
| 2S4-39C     | .115 | .094    |
| 2S4-39D     | .147 | .125    |

Swage Mount in .076 Hole

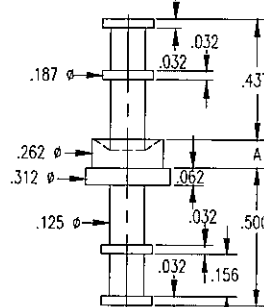
## 2S3-40



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2S3-40AA    | .037 | .016    |
| 2S3-40A     | .053 | .031    |
| 2S3-40B     | .084 | .062    |
| 2S3-40C     | .115 | .094    |
| 2S3-40D     | .147 | .125    |

Swage Mount in .067 Hole

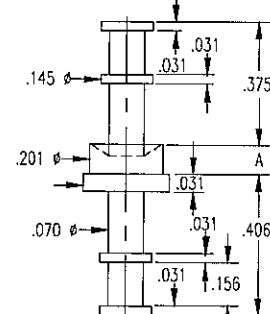
## 3DD10-41



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DD10-41B   | .105 | .062    |
| 3DD10-41C   | .135 | .094    |
| 3DD10-41D   | .165 | .125    |
| 3DD10-41E   | .195 | .156    |
| 3DD10-41F   | .230 | .187    |
| 3DD10-41G   | .293 | .250    |

Swage Mount in .264 Hole

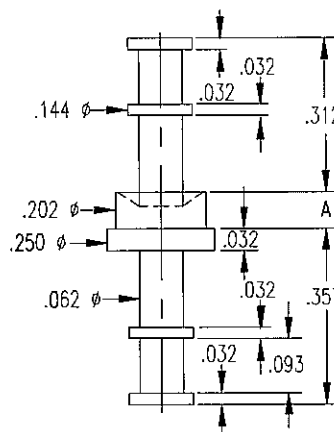
## 3DD8-42



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DD8-42B    | .075 | .031    |
| 3DD8-42C    | .105 | .062    |
| 3DD8-42D    | .135 | .094    |
| 3DD8-42E    | .165 | .125    |
| 3DD8-42F    | .195 | .156    |
| 3DD8-42G    | .230 | .187    |

Swage Mount in .205 Hole

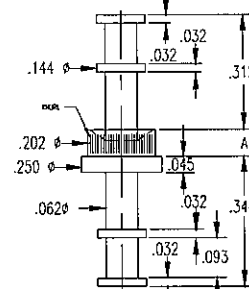
## 3DD8-43



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DD8-43A    | .075 | .031    |
| 3DD8-43B    | .105 | .062    |
| 3DD8-43C    | .135 | .094    |
| 3DD8-43D    | .165 | .125    |
| 3DD8-43E    | .195 | .156    |
| 3DD8-43F    | .230 | .187    |
| 3DD8-43G    | .293 | .250    |

Swage Mount in .206 Hole

## 3KD8-44



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3KD8-44B    | .105 | .062    |
| 3KD8-44C    | .135 | .094    |
| 3KD8-44D    | .165 | .125    |
| 3KD8-44E    | .195 | .156    |
| 3KD8-44F    | .230 | .187    |

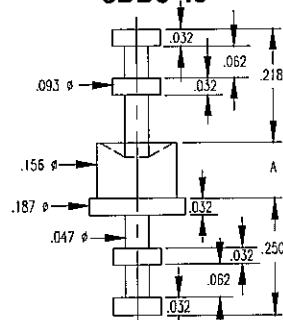
Swage Mount in .206 Hole



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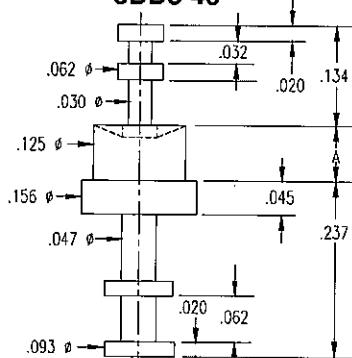
## 3DD6-45



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DD6-45A    | .075 | .031    |
| 3DD6-45B    | .105 | .062    |
| 3DD6-45C    | .135 | .094    |
| 3DD6-45D    | .165 | .125    |
| 3DD6-45E    | .195 | .156    |
| 3ED6451F    | .230 | .187    |

Swage Mount in .159 Hole

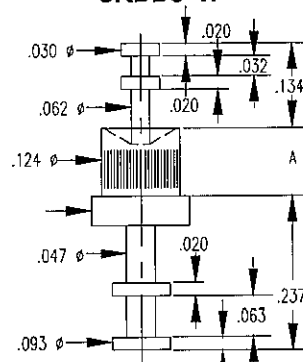
## 3DD5-46



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DD5-12A    | .075 | .031    |
| 3DD5-12B    | .105 | .062    |
| 3DD5-12C    | .135 | .094    |
| 3DD5-12D    | .165 | .125    |

Swage Mount in .129 Hole

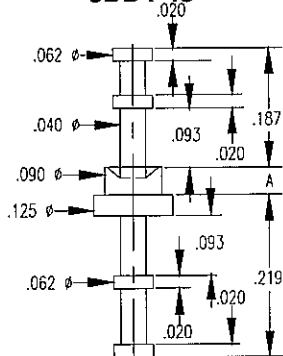
## 3KDD5-47



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3KDD5-47A   | .075 | .031    |
| 3KDD5-47B   | .105 | .062    |
| 3KDD5-47C   | .135 | .094    |
| 3KDD5-47D   | .165 | .125    |

Swage Mount in .125 Hole

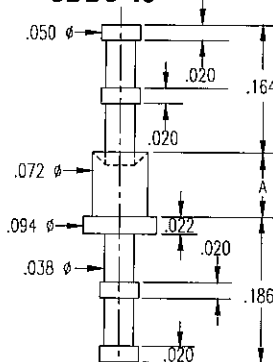
## 3DD4-48



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DD4-48A    | .075 | .031    |
| 3DD4-48B    | .105 | .062    |
| 3DD4-48C    | .135 | .094    |
| 3DD4-48D    | .165 | .125    |

Swage Mount in .094 Hole

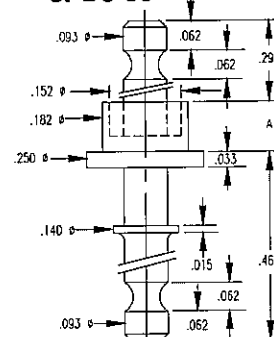
## 3DD3-49



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DD3-49A    | .051 | .031    |
| 3DD3-49B    | .082 | .062    |
| 3DD3-49C    | .113 | .094    |
| 3DD3-49D    | .145 | .125    |

Swage Mount in .076 Hole

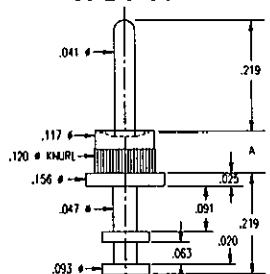
## 3PD8-50



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3PD8-50B    | .105 | .062    |
| 3PD8-50C    | .135 | .094    |
| 3PD8-50D    | .165 | .125    |
| 3PD8-50E    | .195 | .156    |
| 3PD8-50F    | .230 | .187    |

Swage Mount in .186 Hole

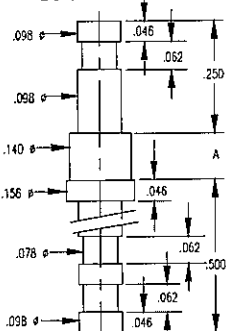
## 3PD5-51



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3PD5-51A    | .062 | .031    |
| 3PD5-51B    | .094 | .062    |
| 3PD5-51C    | .125 | .094    |
| 3PD5-51D    | .156 | .125    |
| 3PD5-51E    | .195 | .156    |
| 3PD5-51     | .230 | .187    |

Swage Mount in .120 Hole

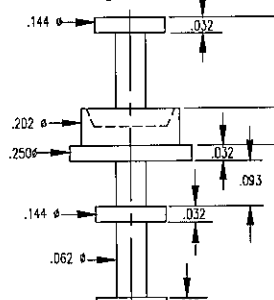
## 3PD5-52



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3PD5-52B    | .105 | .062    |
| 3PD5-52C    | .135 | .094    |
| 3PD5-52D    | .165 | .125    |
| 3PD5-52E    | .195 | .156    |
| 3PD5-52F    | .230 | .187    |

Swage Mount in .144 Hole

## 3DS8-53



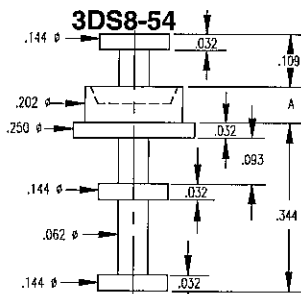
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DS8-53A    | .075 | .031    |
| 3DS8-53B    | .105 | .062    |
| 3DS8-53C    | .135 | .094    |
| 3DS8-53D    | .165 | .125    |
| 3DS8-53E    | .195 | .156    |
| 3DS8-53F    | .230 | .187    |

Swage Mount in .206 Hole



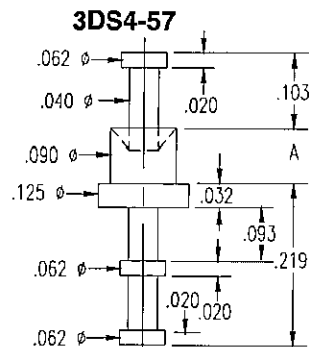
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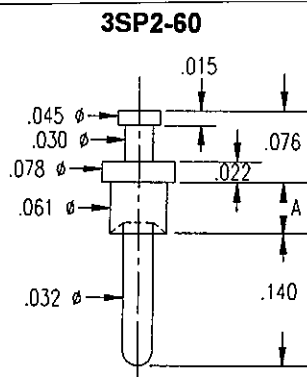
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DS8-54A    | .075 | .031    |
| 3DS8-54B    | .105 | .062    |
| 3DS8-54C    | .135 | .094    |
| 3DS8-54D    | .165 | .125    |
| 3DS8-54E    | .195 | .156    |
| 3DS8-54F    | .230 | .187    |

Sage Mount in .206 Hole



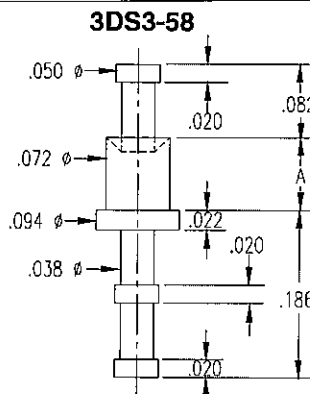
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DS4-57A    | .075 | .031    |
| 3DS4-57B    | .105 | .062    |
| 3DS4-57C    | .135 | .094    |
| 3DS4-57D    | .165 | .125    |

Sage Mount in .094 Hole



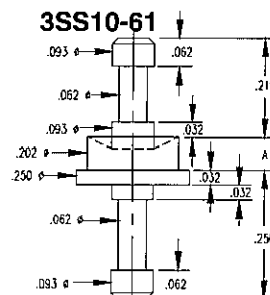
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3SP2-60AA   | .037 | .016    |
| 3SP2-60A    | .054 | .031    |
| 3SP2-60B    | .084 | .062    |
| 3SP2-60C    | .115 | .094    |
| 3SP2-60D    | .147 | .125    |

Swage Mount in .064 Hole



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DS3-58A    | .051 | .031    |
| 3DS3-58B    | .082 | .062    |
| 3DS3-58C    | .113 | .094    |
| 3DS3-58D    | .145 | .125    |

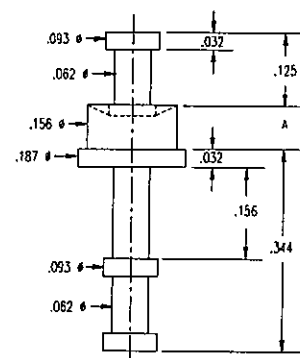
Swage Mount in .076 Hole



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3SS10-61B   | .105 | .062    |
| 3SS10-61C   | .135 | .094    |
| 3SS10-61D   | .165 | .125    |
| 3SS10-61E   | .195 | .156    |
| 3SS10-61F   | .230 | .187    |
| 3SS10-61G   | .293 | .125    |

Sage Mount in .264 Hole

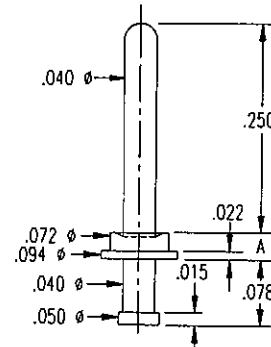
## 3DS6-56



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3DS6-56A    | .075 | .031    |
| 3DS6-56B    | .105 | .062    |
| 3DS6-56C    | .135 | .094    |
| 3DS6-56D    | .165 | .125    |

Swage Mount in .159 Hole

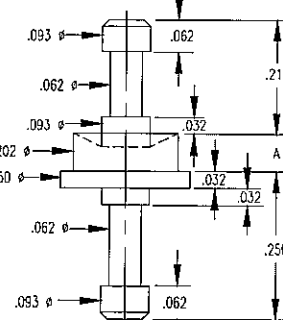
## 3SP3-59



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3SP3-59AA   | .037 | .016    |
| 3SP3-59A    | .051 | .031    |
| 3SP3-59B    | .082 | .062    |
| 3SP3-59C    | .113 | .094    |
| 3SP3-59D    | .145 | .125    |

Swage Mount in .076 Hole

## 3SS8-62



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3SS8-62B    | .075 | .031    |
| 3SS8-62C    | .105 | .062    |
| 3SS8-62D    | .135 | .094    |
| 3SS8-62E    | .165 | .125    |
| 3SS8-62F    | .195 | .156    |

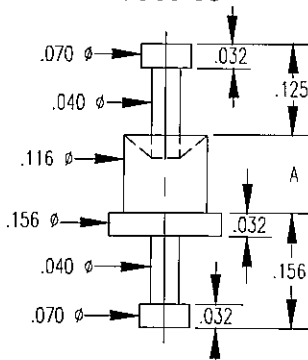
Swage Mount in .206 Hole



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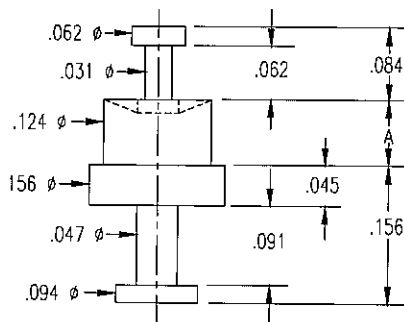
### 3SS5-63



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3SS5-63A    | .075 | .031    |
| 3SS5-63B    | .105 | .062    |
| 3SS5-63C    | .135 | .094    |
| 3SS5-63D    | .165 | .125    |

Swage Mount in .120 Hole

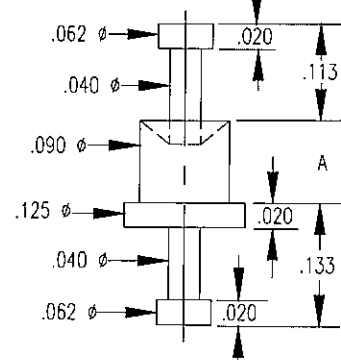
### 3SS5-64



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3SS5-64A    | .075 | .031    |
| 3SS5-64B    | .105 | .062    |
| 3SS5-64C    | .135 | .094    |
| 3SS5-64D    | .165 | .125    |

Swage Mount in .129Hole

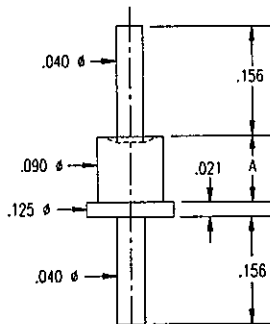
### 3SS4-65



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3SS4-65A    | .075 | .031    |
| 3SS4-65B    | .105 | .062    |
| 3SS4-65C    | .135 | .094    |
| 3SS4-65D    | .165 | .125    |

Swage Mount in .094 Hole

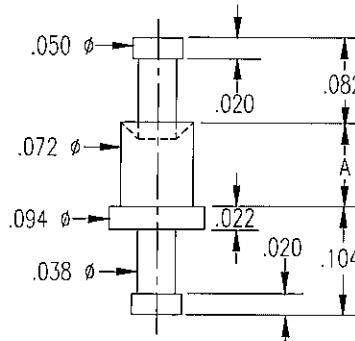
### 3PP4-66



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3PP4-66A    | .075 | .031    |
| 3PP4-66B    | .105 | .062    |
| 3PP4-66C    | .135 | .094    |
| 3PP4-66D    | .165 | .125    |

Swage Mount in .094 Hole

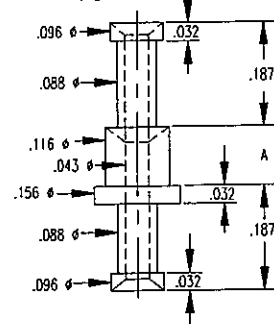
### 3SS3-67



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3SS3-67A    | .051 | .031    |
| 3SS3-67B    | .082 | .062    |
| 3SS3-67C    | .113 | .094    |
| 3SS3-67D    | .145 | .125    |

Swage Mount in .076 Hole

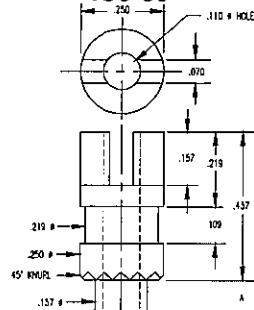
### 3SS5-68



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 3SS5-68A    | .075 | .031    |
| 3SS5-68B    | .105 | .062    |
| 3SS5-68C    | .135 | .094    |
| 3SS5-68D    | .165 | .125    |
| 3SS5-68E    | .195 | .156    |
| 3SS5-68F    | .230 | .187    |

Swage Mount in .120 Hole

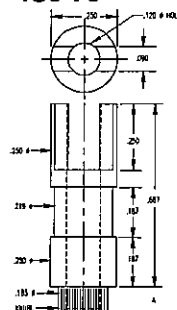
### 4S8-69



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S8-69B     | .105 | .062    |
| 4S8-69C     | .135 | .094    |
| 4S8-69D     | .165 | .125    |
| 4S8-69E     | .195 | .156    |
| 4S8-69F     | .230 | .187    |
| 4S8-69G     | .293 | .250    |

Swage Mount in .189 Hole

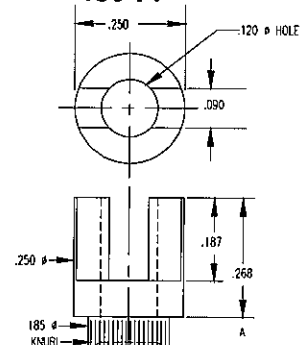
### 4S8-70



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S8-70B     | .105 | .062    |
| 4S8-70C     | .135 | .094    |
| 4S8-70D     | .165 | .125    |
| 4S8-70E     | .195 | .156    |
| 4S8-70F     | .230 | .187    |
| 4S8-70G     | .293 | .250    |

Swage Mount in .189 Hole

### 4S8-71



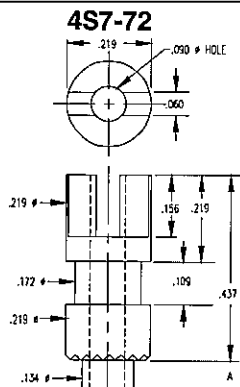
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S8-71A     | .075 | .031    |
| 4S8-71B     | .105 | .062    |
| 4S8-71C     | .135 | .094    |
| 4S8-71D     | .165 | .125    |

Swage Mount in .189 Hole



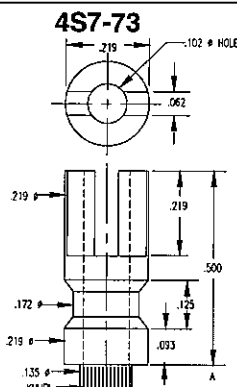
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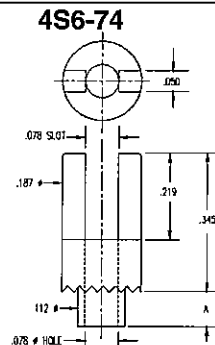
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S7-72A     | .075 | .031    |
| 4S7-72B     | .105 | .062    |
| 4S7-72C     | .135 | .094    |
| 4S7-72D     | .165 | .125    |

Swage Mount in .138 Hole



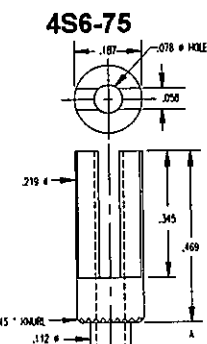
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S7-73A     | .075 | .031    |
| 4S7-73B     | .105 | .062    |
| 4S7-73C     | .135 | .094    |
| 4S7-73D     | .165 | .125    |

Swage Mount in .139 Hole



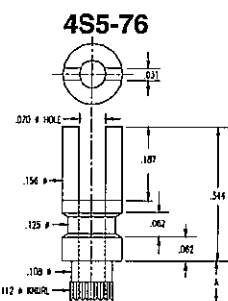
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S6-74A     | .075 | .031    |
| 4S6-74B     | .105 | .062    |
| 4S6-74C     | .135 | .094    |
| 4S6-74D     | .165 | .125    |
| 4S6-74E     | .195 | .156    |
| 4S6-74F     | .230 | .187    |

Swage Mount in .116 Hole



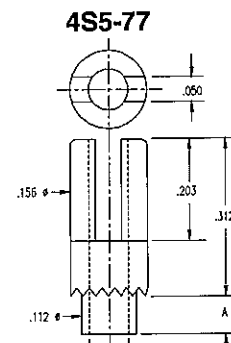
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S6-75A     | .075 | .031    |
| 4S6-75B     | .105 | .062    |
| 4S6-75C     | .135 | .094    |
| 4S6-75D     | .165 | .125    |

Swage Mount in .116 Hole



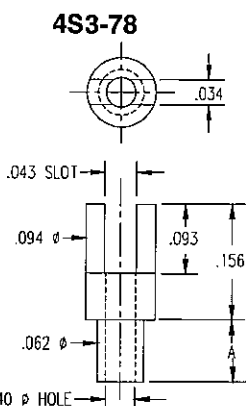
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S5-76A     | .075 | .031    |
| 4S5-76B     | .105 | .062    |
| 4S5-76C     | .135 | .094    |
| 4S5-76D     | .165 | .125    |
| 4S5-76E     | .195 | .156    |
| 4S5-76F     | .230 | .187    |

Swage Mount in .116 Hole



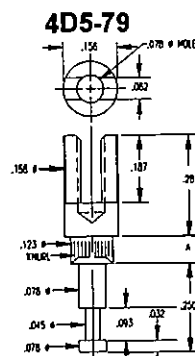
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S5-77A     | .045 | .031    |
| 4S5-77B     | .094 | .062    |
| 4S5-77C     | .125 | .094    |
| 4S5-77D     | .156 | .125    |
| 4S5-77E     | .195 | .156    |
| 4S5-77F     | .230 | .187    |

Swage Mount in .116 Hole



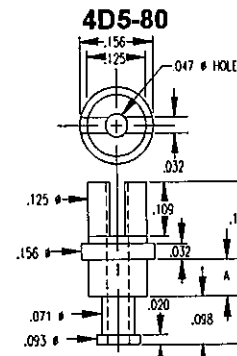
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S3-78A     | .053 | .031    |
| 4S3-78B     | .084 | .062    |
| 4S3-78C     | .115 | .094    |
| 4S3-78D     | .147 | .125    |

Swage Mount in .067 Hole



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4D5-79A     | .075 | .031    |
| 4D5-79B     | .105 | .062    |
| 4D5-79C     | .135 | .094    |
| 4D5-79D     | .165 | .125    |

Swage Mount in .082 Hole



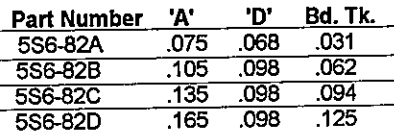
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4D5-80A     | .075 | .031    |
| 4D5-80B     | .105 | .062    |
| 4D5-80C     | .135 | .094    |
| 4D5-80D     | .165 | .125    |

Swage Mount in .097 Hole

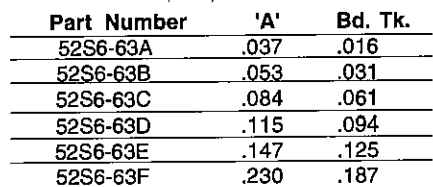


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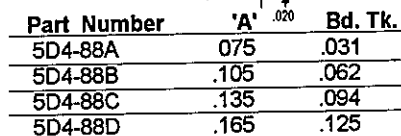
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### Swage Mount in .116 Hole



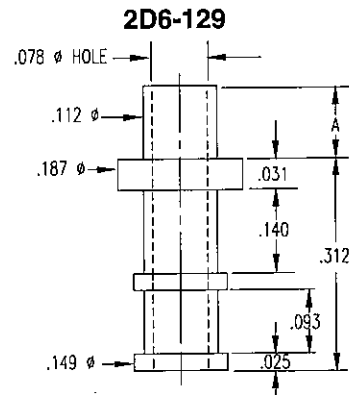
### Swage Mount in .116 Hole



### Swage Mount In .094 Hole

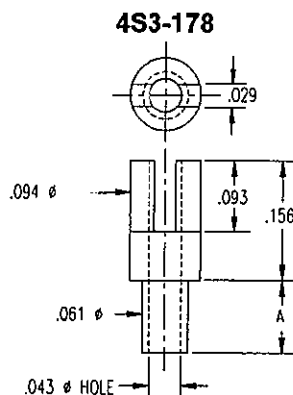
# Series PMP

# Double Ended Solder Terminals



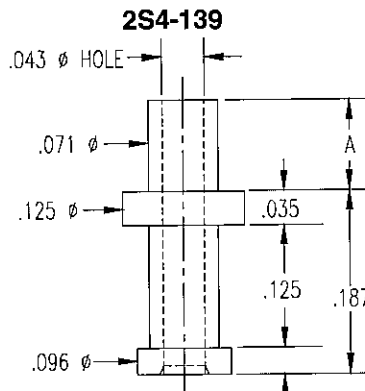
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2D6-129A    | .078 | .031    |
| 2D6-129B    | .109 | .062    |
| 2D6-129C    | .140 | .094    |
| 2D6-129D    | .171 | .125    |

Swage Mount in .116 Hole



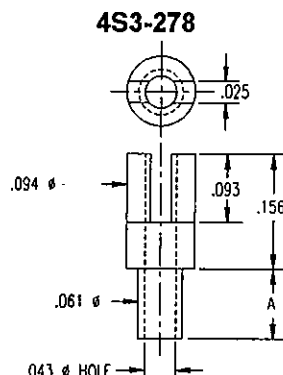
| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S3-178A    | .045 | .031    |
| 4S3-178B    | .094 | .062    |
| 4S3-178C    | .125 | .094    |
| 4S3-178D    | .156 | .125    |

Swage Mount in .067 Hole



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 2S4-139A    | .062 | .031    |
| 2S4-139B    | .093 | .062    |
| 2S4-139C    | .125 | .094    |
| 2S4-139D    | .156 | .125    |

Swage Mount in .076 Hole



| Part Number | 'A'  | Bd. Tk. |
|-------------|------|---------|
| 4S3-278AA   | .037 | .016    |
| 4S3-278A    | .053 | .031    |
| 4S3-278B    | .084 | .061    |
| 4S3-278C    | .115 | .094    |
| 4S3-278D    | .147 | .125    |

Swage Mount in .067Hole

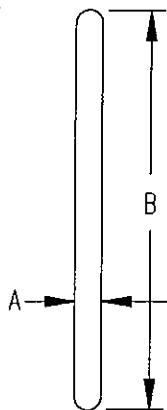


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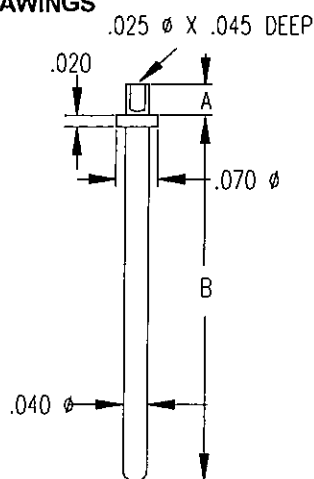
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## Series MP

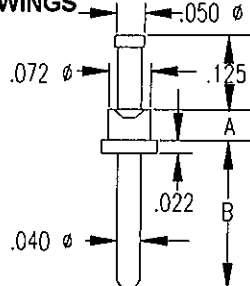
### DRAWINGS



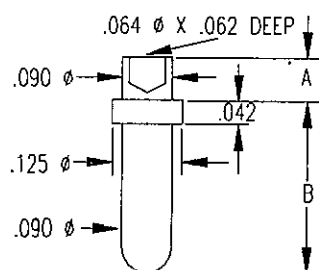
### DRAWINGS



### DRAWINGS



### DRAWINGS



Note: All dimensions are in inches

## Mini Pins

### ORDERING INFORMATION

| Part Number | 'A'  | 'B'  |
|-------------|------|------|
| MP-125-1    | .020 | .400 |
| MP-125-2    | .020 | .600 |
| MP-125-3    | .020 | .900 |
| MP-130-1    | .032 | .400 |
| MP-130-2    | .032 | .600 |
| MP-130-3    | .032 | .900 |
| MP-135-1    | .040 | .400 |
| MP-135-2    | .040 | .600 |
| MP-135-3    | .040 | .900 |
| MP-140-1    | .062 | .400 |
| MP-140-2    | .062 | .600 |
| MP-140-3    | .062 | .900 |

Standard Plating - Nickel (Other Options are Available)

### ORDERING INFORMATION

| Part Number | 'A'  | 'B'  | Board Thickness |
|-------------|------|------|-----------------|
| MP-160-1    | .051 | .200 | .031            |
| MP-160-2    | .082 | .200 | .062            |
| MP-162-1    | .051 | .250 | .031            |
| MP-162-2    | .082 | .250 | .062            |
| MP-165-1    | .051 | .300 | .031            |
| MP-165-2    | .082 | .300 | .062            |
| MP-166-1    | .051 | .400 | .031            |
| MP-166-2    | .082 | .400 | .062            |
| MP-170-1    | .051 | .600 | .031            |
| MP-170-2    | .082 | .600 | .062            |
| MP-172-1    | .051 | .800 | .031            |
| MP-172-2    | .082 | .800 | .062            |
| MP-175-1    | .051 | .900 | .031            |
| MP-175-2    | .082 | .900 | .062            |

Standard Plating - Gold (Other Options are Available)

### ORDERING INFORMATION

| Part Number | 'A'  | 'B'  | Board Thickness |
|-------------|------|------|-----------------|
| MP-200-1    | .051 | .140 | .031            |
| MP-200-1    | .082 | .140 | .062            |
| MP-200-3    | .113 | .140 | .094            |
| MP-205-1    | .051 | .250 | .031            |
| MP-205-2    | .082 | .250 | .062            |
| MP-205-3    | .113 | .250 | .094            |
| MP-205-4    | .145 | .250 | .125            |

Standard Plating - Silver (Other Options are Available)

### ORDERING INFORMATION

| Part Number | 'A'  | 'B'  | Board Thickness |
|-------------|------|------|-----------------|
| MP-230-1    | .075 | .150 | .031            |
| MP-230-2    | .105 | .150 | .062            |
| MP-230-3    | .135 | .150 | .094            |
| MP-235-1    | .075 | .300 | .031            |
| MP-235-2    | .105 | .300 | .062            |
| MP-235-3    | .135 | .300 | .094            |

Standard Plating - Gold (Other Options are Available)

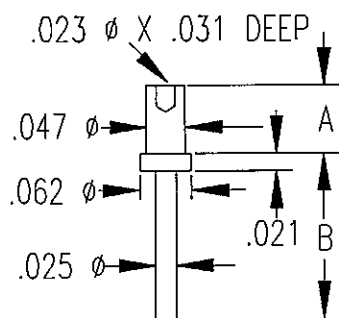


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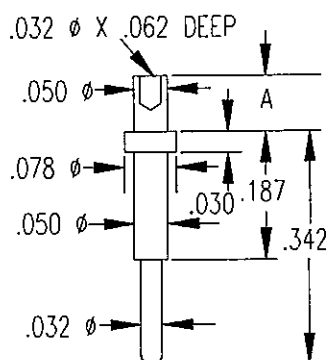
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## Series MP

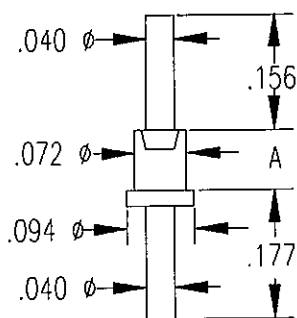
### DRAWINGS



### DRAWINGS



### DRAWINGS



Note: All dimensions are in inches

## Mini Pins

### ORDERING INFORMATION

| Part Number | 'A'  | 'B'  | Board Thickness |
|-------------|------|------|-----------------|
| MP-260-1    | .051 | .100 | .031            |
| MP-260-2    | .082 | .100 | .062            |
| MP-265-1    | .051 | .200 | .031            |
| MP-265-2    | .082 | .200 | .062            |

Standard Plating - Electro-Solder (Other Options are Available)

### ORDERING INFORMATION

| Part Number | 'A'  | Board Thickness |
|-------------|------|-----------------|
| MP-290-1    | .051 | .031            |
| MP-290-2    | .082 | .062            |
| MP-290-3    | .113 | .094            |

Standard Plating - Electro-Solder (Other Options are Available)

### ORDERING INFORMATION

| Part Number | 'A'  | Board Thickness |
|-------------|------|-----------------|
| MP-315-1    | .051 | .031            |
| MP-315-2    | .082 | .062            |
| MP-315-3    | .113 | .094            |

Standard Plating - Electro-Solder (Other Options are Available)



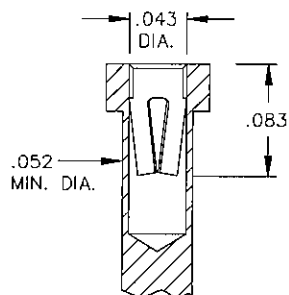
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# Contacts

# Contact Specifications - 3 Finger

## #51



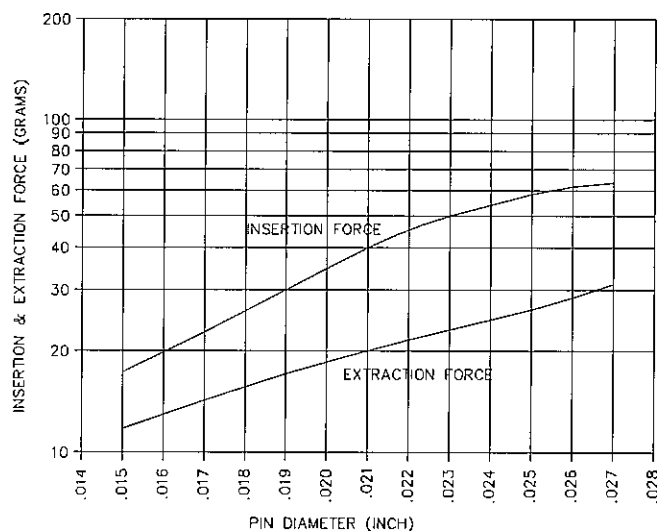
### SPECIFICATIONS

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

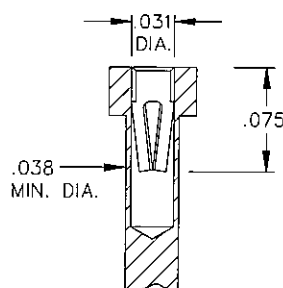
**Tolerances:** Lengths -  $\pm .005$

Diameters -  $\pm .002$

Angles -  $2^\circ$



## #32



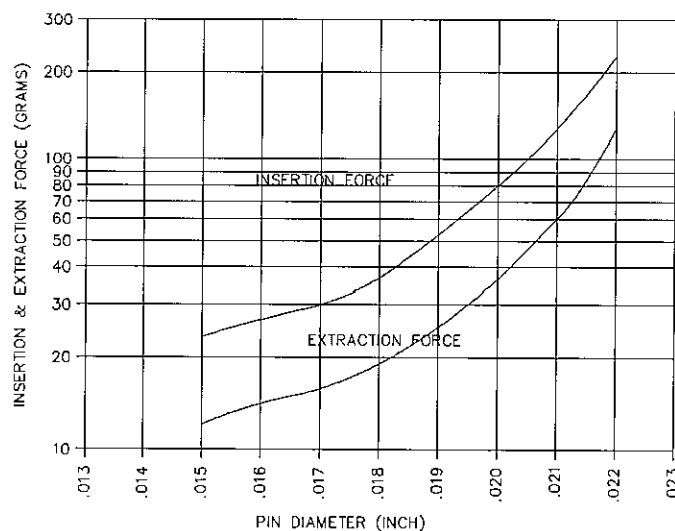
### SPECIFICATIONS

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

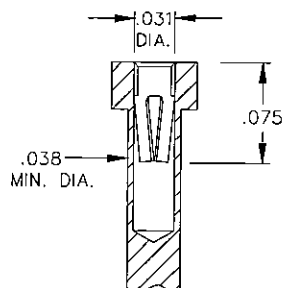
**Tolerances:** Lengths -  $\pm .005$

Diameters -  $\pm .002$

Angles -  $2^\circ$



## #30



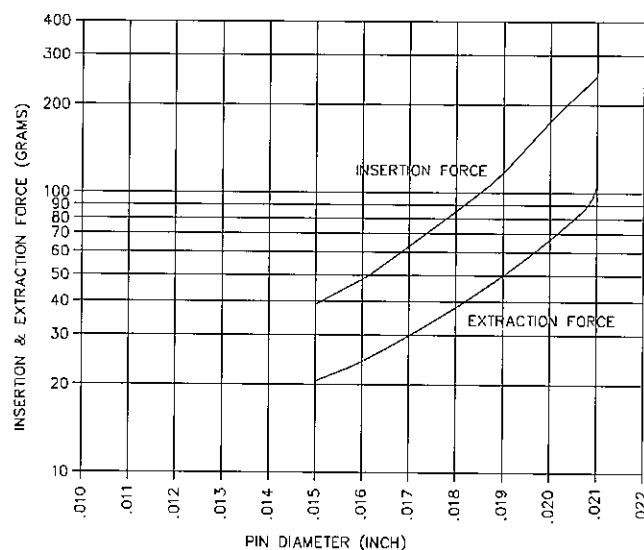
### SPECIFICATIONS

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

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

Diameters -  $\pm .002$

Angles -  $2^\circ$



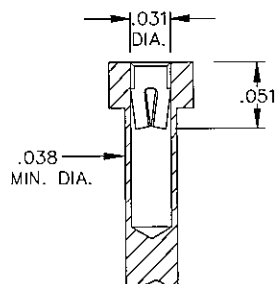
Note: All dimensions are in inches. Average operating range.



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## #56



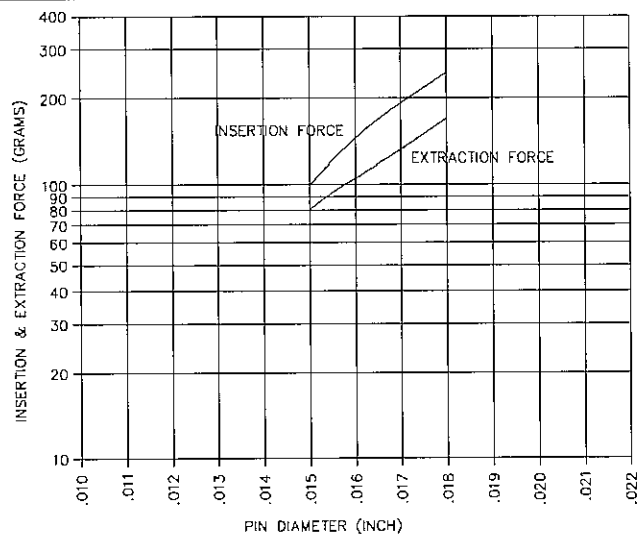
### SPECIFICATIONS

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

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

Diameters -  $\pm .002$

Angles -  $2^\circ$



Note: All dimensions are in inches. Average operating range.



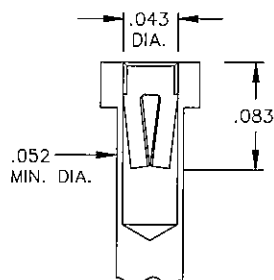
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# Contacts

# Contact Specifications - 4 Finger

## #52



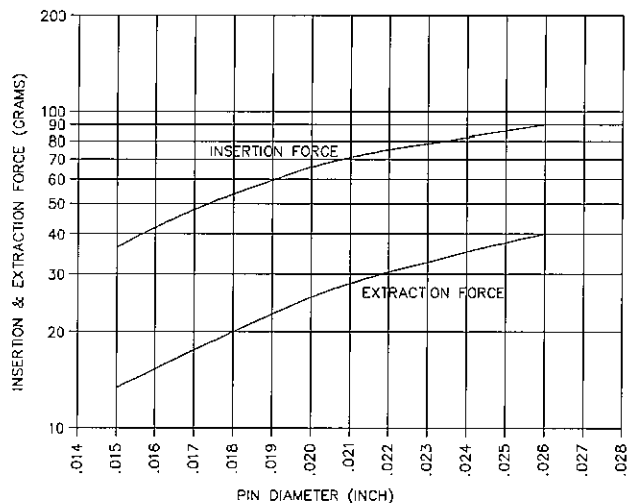
### SPECIFICATIONS

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

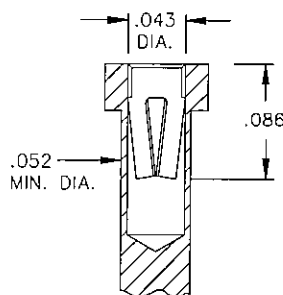
**Tolerances:** Lengths -  $\pm .005$

Diameters -  $\pm .002$

Angles -  $2^\circ$



## #36



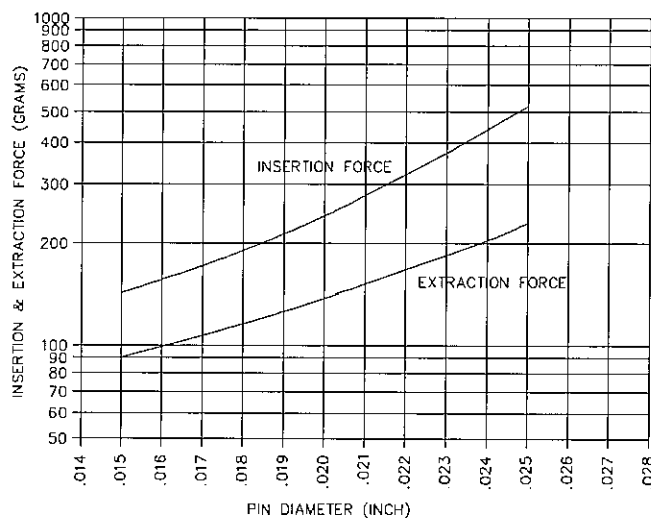
### SPECIFICATIONS

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

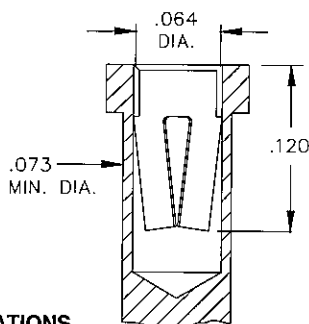
**Tolerances:** Lengths -  $\pm .005$

Diameters -  $\pm .002$

Angles -  $2^\circ$



## #42



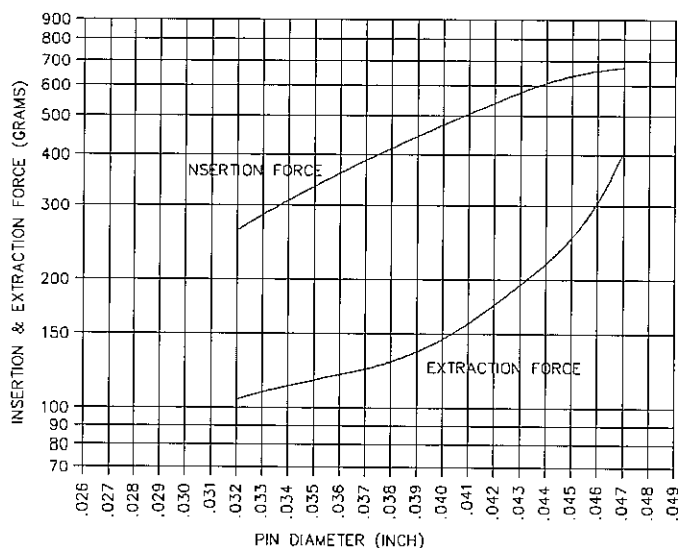
### SPECIFICATIONS

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

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

Diameters -  $\pm .002$

Angles -  $2^\circ$



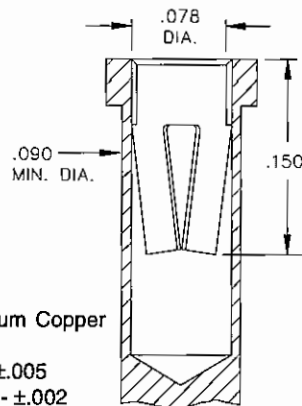
Note: All dimensions are in inches



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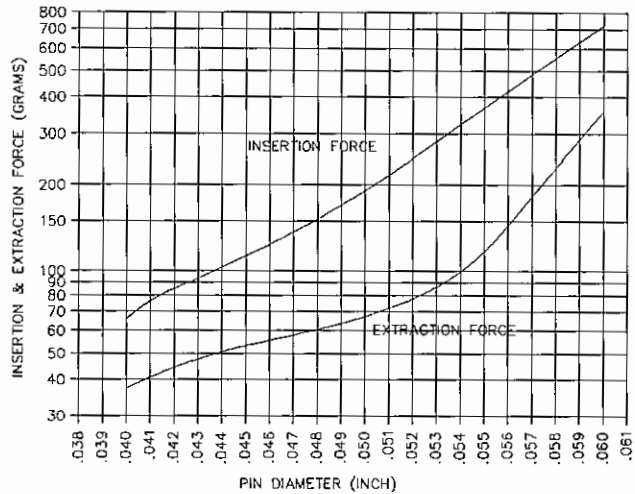
## #41



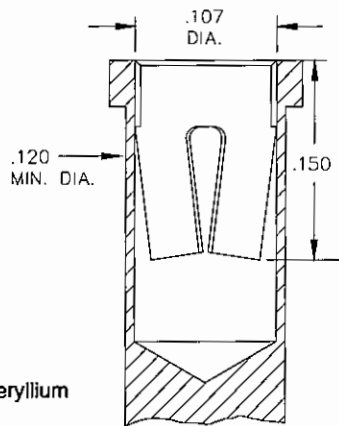
### SPECIFICATIONS

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

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



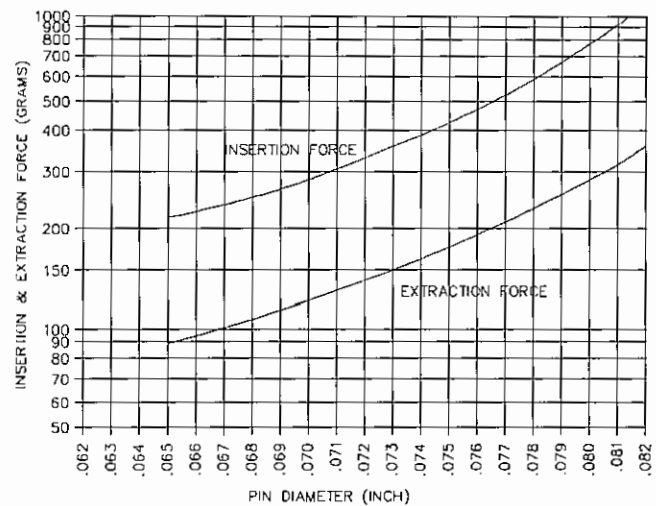
## #40



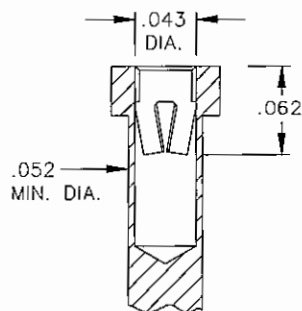
### SPECIFICATIONS

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

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



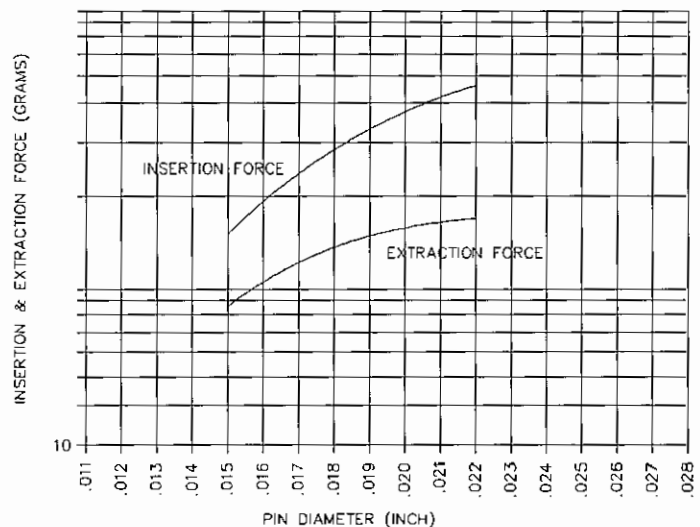
## #33



### SPECIFICATIONS

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

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



Note: All dimensions are in inches. Average operating range.



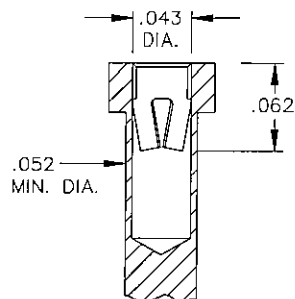
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## Contacts

## Contact Specifications - 6 Finger

### #34



#### SPECIFICATIONS

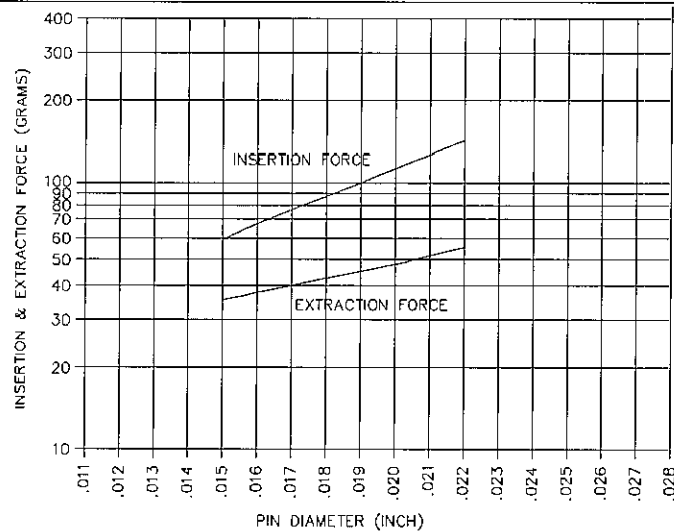
**Contact Material:** Beryllium Copper

Alloy 172, HT

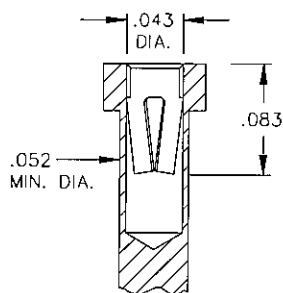
**Tolerances:** Lengths -  $\pm 0.005$

Diameters -  $\pm 0.002$

Angles -  $2^\circ$



### #46



#### SPECIFICATIONS

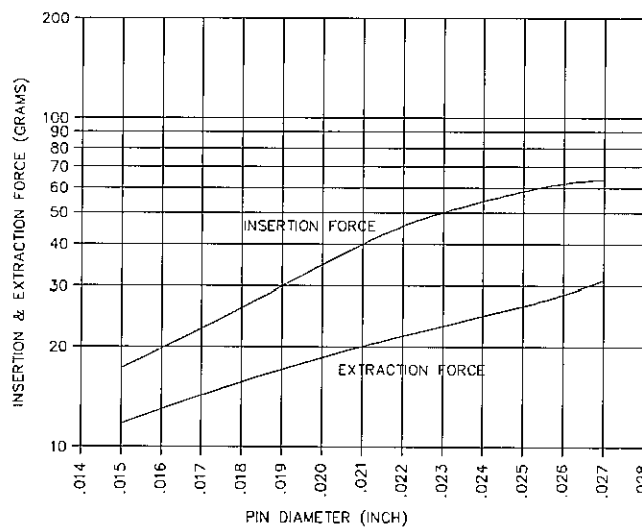
**Contact Material:** Beryllium

Copper Alloy 172, HT

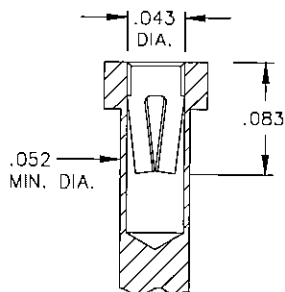
**Tolerances:** Lengths -  $\pm 0.005$

Diameters -  $\pm 0.002$

Angles -  $2^\circ$



### #45



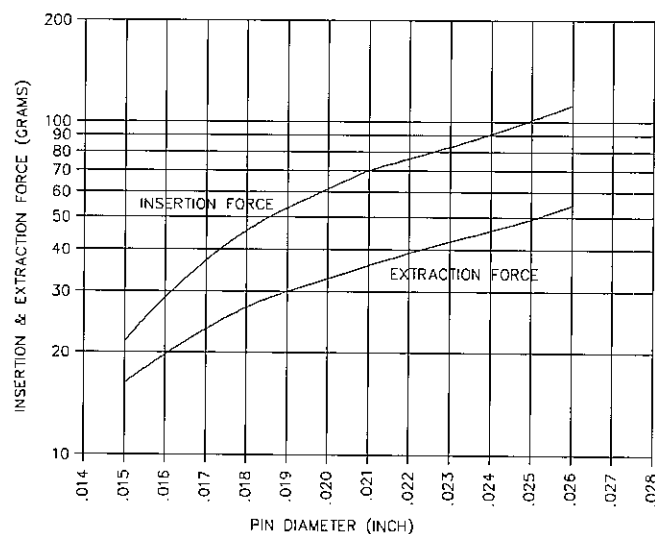
#### SPECIFICATIONS

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

**Tolerances:** Lengths -  $\pm 0.005$

Diameters -  $\pm 0.002$

Angles -  $2^\circ$



Note: All dimensions are in inches. Average operating range.



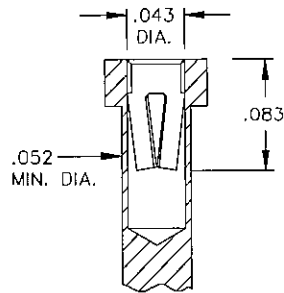
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## Contacts

## Contact Specifications - 6 Finger

### #53

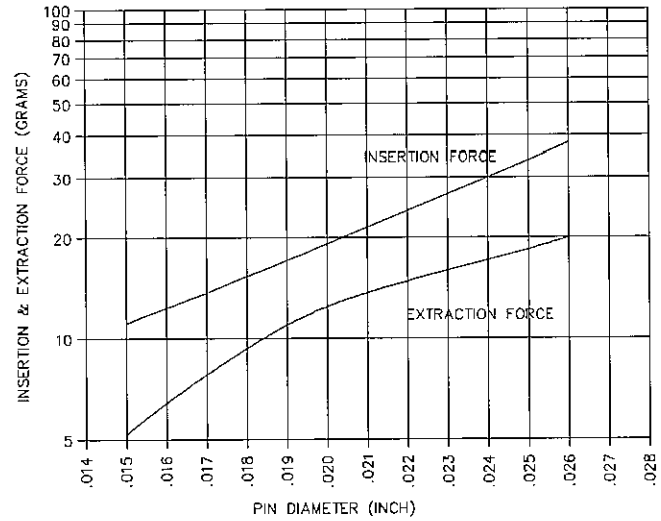


#### SPECIFICATIONS

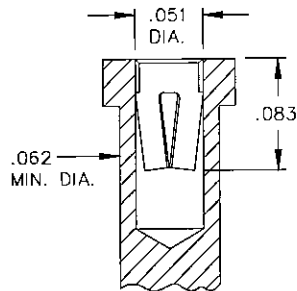
**Contact Material:** Beryllium Copper

**Alloy 172, HT**

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



### #54

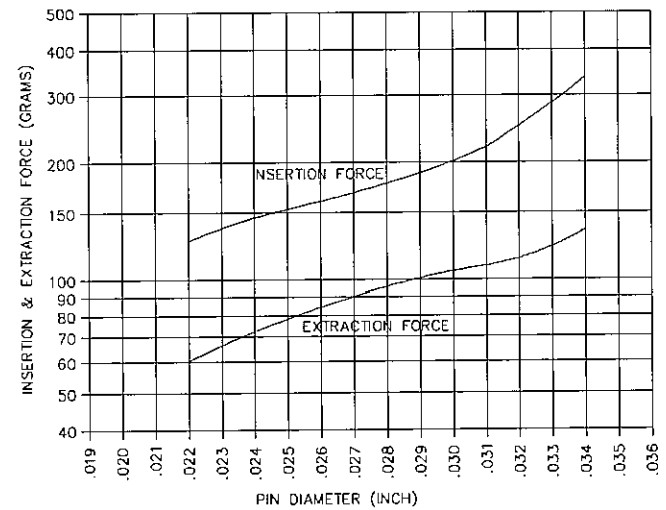


#### SPECIFICATIONS

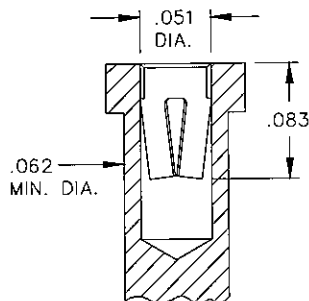
**Contact Material:** Beryllium

**Copper Alloy 172, HT**

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



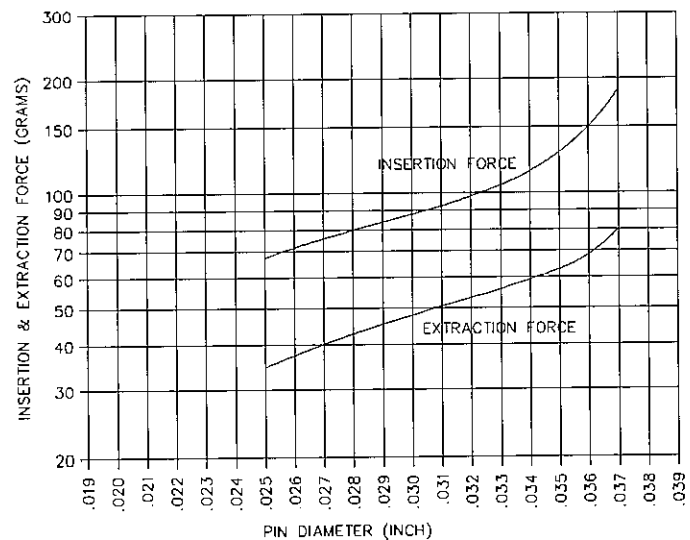
### #48



#### SPECIFICATIONS

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

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



Note: All dimensions are in inches. Average operating range.



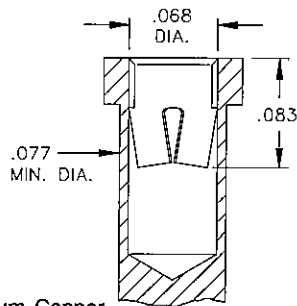
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## Contacts

## Contact Specifications - 6 Finger

### #43

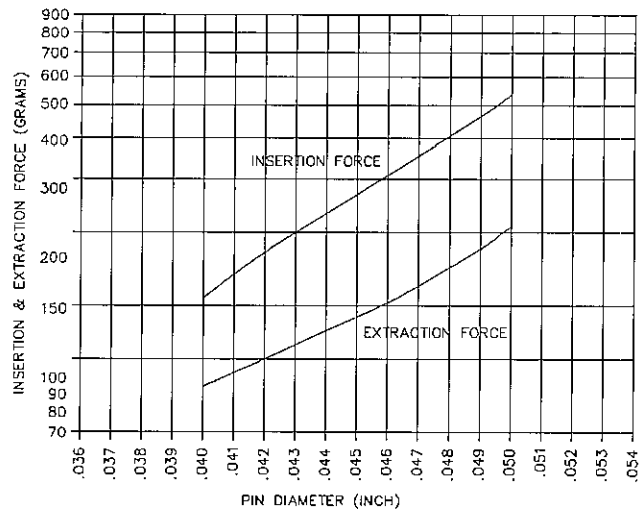


#### SPECIFICATIONS

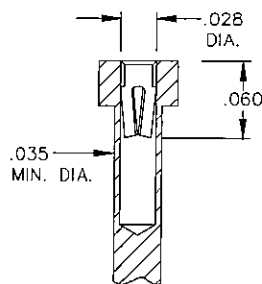
**Contact Material:** Beryllium Copper

Alloy 172, HT

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



### #57

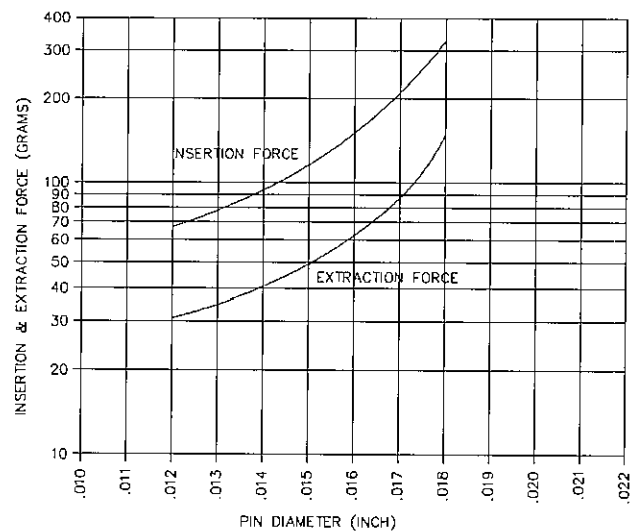


#### SPECIFICATIONS

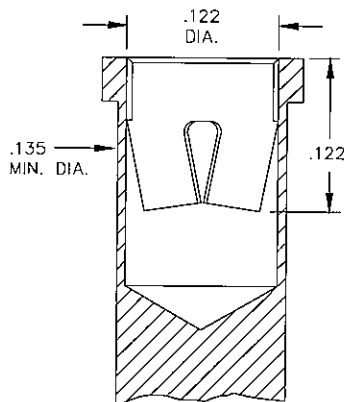
**Contact Material:** Beryllium

Copper Alloy 172, HT

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



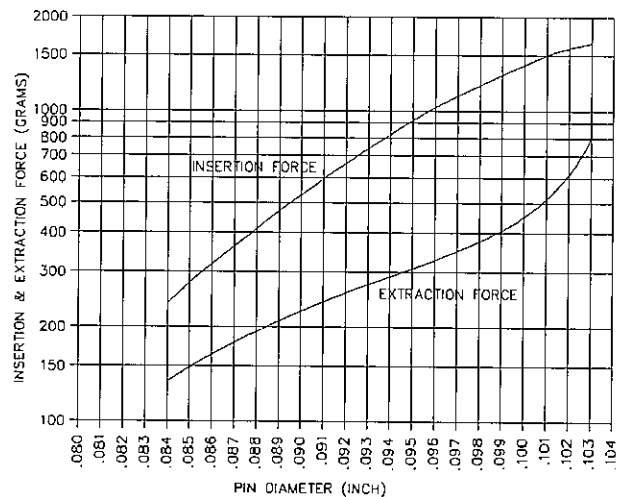
### #55



#### SPECIFICATIONS

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

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



Note: All dimensions are in inches. Average operating range.



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