

High Performance

Printed Circuit Interconnect Devices

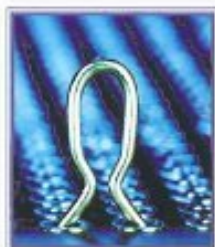


COMPONENTS CORPORATION 



## Printed Circuit Test Points

Convenient loop profiles for positive retention of probes - Wave Solderable - Spring Alloys - Electro-Tin Finish

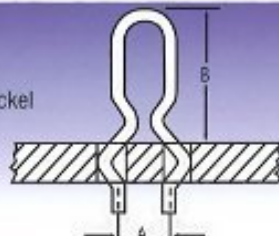


### TP-101 SERIES • Lowest cost solution to board level trouble shooting • Exclusive self-positioning feature

- Two hole mounting for jumper, voltage or current checks
- Four choices of leg spacings
- .020" diameter brass alloy
- .040" diameter mounting holes

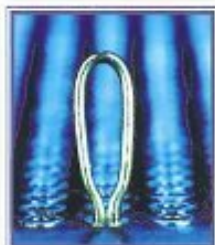
#### SPECIFICATIONS

- Material: .020" Dia. 70/30 Brass Wire
- Finish: .0001 matte tin over .00005 nickel
- Mounting: Two, .040" Dia. +/- .003", Plated through Holes
- Max. Current: 2 amperes



#### Dimension Chart

P/N	A	B
TP-101-10-T	.100	.200
TP-101-20-T	.200	.300
TP-101-25-T	.250	.360
TP-101-30-T	.300	.400

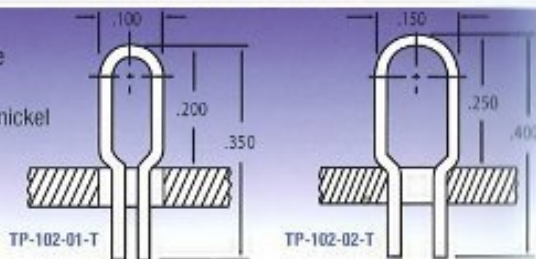


### TP-102 SERIES • Direct replacement for expensive "Turret" type terminals • Superior test point function at less cost

- Replaces costly "turret" type terminals
- Two models cover most popular turret hole sizes
- Phosphor bronze
- Hole diameters from .067" through .116"

#### SPECIFICATIONS

- Material: .020" Dia. Phosphor Bronze #510 Alloy
- Finish: .0001 matte tin over .00005 nickel
- Mounting: .067" to .078" Dia. for TP-102-01, .112" to .116" for TP-102-02
- Max. Current: 2 amperes

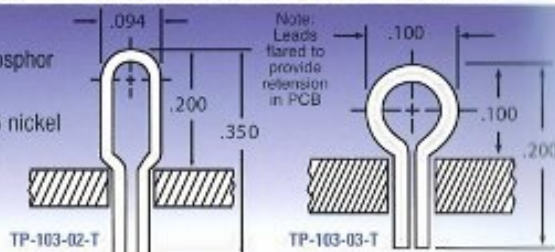


### TP-103 SERIES • Direct replacement for .025" square "Wrap Posts" • Positive retention for spring loaded probe hooks

- Replaces wrap posts
- Three versions offering choices in loop profiles
- Phosphor bronze
- .040" diameter mounting hole

#### SPECIFICATIONS

- Material: .017" Dia., #510 alloy phosphor bronze
- Finish: .0001 matte tin over .00005 nickel
- Mounting: .040" Dia., (min.) plated through hole
- Max. Current: 2 amperes



\* For other dimensions, call the factory at 1-866-4COMPCO



### TP-104 SERIES • Color-coded for improved identification and visibility • Breakaway strips ease assembly

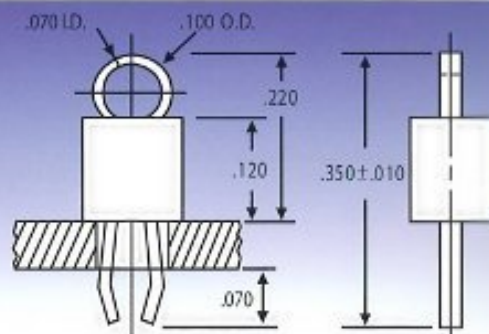
- Available in single position through thirty position at .125" centers, with ten color options
- Phosphor bronze
- .063" diameter mounting hole

#### SPECIFICATIONS

- Material: .015" x .030" Phosphor Bronze #510 Alloy
- Finish: .0001 matte tin over .00005 nickel
- Mounting: .063" Dia. Hole
- Collar: 15% Glass Filled Polyester

#### Ordering Information:

- TP - 104 - 30 - xx  
 TP - 104 = Series Designation  
 30 = Number of Positions -1 thru 30  
 00 = Color (Black)      05 = Color (Green)  
 01 = Color (Brown)    06 = Color (Blue)  
 02 = Color (Red)       07 = Color (Purple)  
 03 = Color (Orange)   08 = Color (Gray)  
 04 = Color (Yellow)    09 = Color (White)



### TP-105 SERIES • Direct replacement of header posts without board re-design • Ten color choices

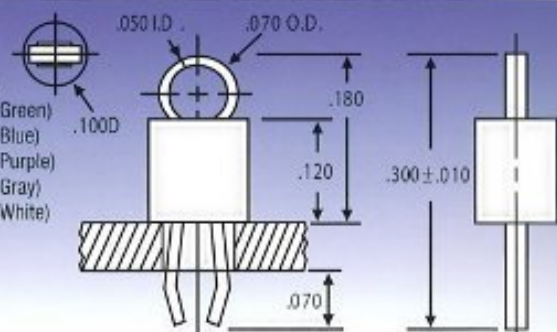
- Directly replaces headers with tandem mounts up to forty positions at .100" centers
- Ten color choices
- Phosphor bronze
- .040" diameter mounting hole

#### SPECIFICATIONS

- Material: .010" x .020" Phosphor Bronze
- Finish: .0001 matte tin over .00005 nickel
- Mounting: .035" to .042" Dia. Hole
- Collar: 15% Glass Filled Polyester

#### Ordering Information:

- TP - 105 - 40 - xx  
 TP - 105 = Series Designation  
 40 = Number of Positions -1 thru 40  
 00 = Color (Black)      05 = Color (Green)  
 01 = Color (Brown)    06 = Color (Blue)  
 02 = Color (Red)       07 = Color (Purple)  
 03 = Color (Orange)   08 = Color (Gray)  
 04 = Color (Yellow)    09 = Color (White)





## Printed Circuit Test Points

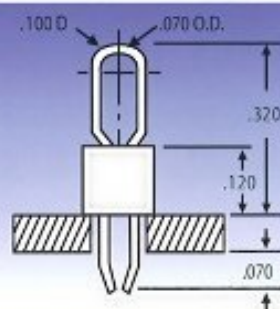


### TP-106 SERIES OVAL PROFILE PRINTED CIRCUIT TEST POINTS

- Available in 10 colors
  - .063" diameter mounting hole
  - Tandem mounts to 30 positions
  - Phosphor bronze
- SPECIFICATIONS**
- Contact Material: .015" x .030" Phosphor Bronze Alloy
  - Finish: .0001 matte tin over .00005 nickel
  - Mounting: .063" Dia. Hole
  - Standoff: 15% Glass Filled Polyester

**Ordering Information:**

TP - 106 - 01 - xx  
 TP - 106 = Series Designation  
 01 = Number of Positions -1 thru 30  
 00 = Color (Black)      05 = Color (Green)  
 01 = Color (Brown)    06 = Color (Blue)  
 02 = Color (Red)        07 = Color (Purple)  
 03 = Color (Orange)    08 = Color (Gray)  
 04 = Color (Yellow)    09 = Color (White)



### TP-107 SERIES SURFACE MOUNT PRINTED CIRCUIT TEST POINTS

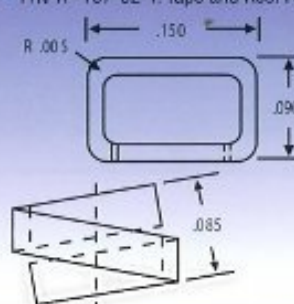
- Rugged surface mount design
- Delivered on tape & reel
- Phosphor bronze matte-tin finish
- Accepts wide range of probes
- Secure anchor for probes and clips
- Simplify testing on crowded SMT circuit board
- Available in bulk and tape and reel format
- Unique design provides exceptional strength

**SPECIFICATIONS**

- U.S. Patent # 5,747,740
- Contact Material: .015 x .040 #510 Phosphor Bronze, 1/2 hard
- Contact Finish: .0001 min. thick matte tin over .0001 nickel
- Tape Material: 12mm Wide; Pitch: 4mm; Conductive Polycarbonate Carrier meets ANSI/EIA-481 Standard
- Pad Size: .185" x .135"
- Reel Size: 13" Dia. - 5000/Reel  
7" Dia. - 1000/Reel

**Ordering Information**

- P/N TP-107-01-T: Bulk Packaged
- P/N TP-107-02-T: Tape and Reel Format



### TP-108 SERIES SURFACE MOUNT PRINTED CIRCUIT TEST POINTS

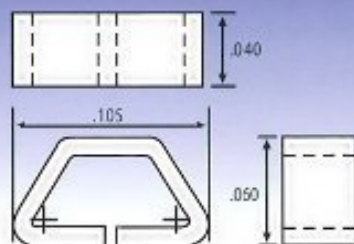
- Small footprint, low profile surface mount,
- Available on tape/reel
- Phosphor bronze matte-tin finish
- Accepts wide range of probes
- Secure holding for probes and clips
- Subminiature, SMT design
- Efficient, safe, board level testing
- Available on tape and reel format

**SPECIFICATIONS**

- Contact Material: .010 x .040 #510 Phosphor Bronze
- Contact Finish: .0001 min. thick matte tin over .0001 nickel
- Tape Material: 8mm Wide; Pitch: 4mm; Conductive Polycarbonate Carrier Meets ANSI/EIA-481 Standard
- Pad Size: .070" x .135"
- Reel Size: 7" Dia. - 1000, 5000 and 8000 Piece Reels

**Ordering Information**

- P/N TP-108-02-T: Tape and Reel Format

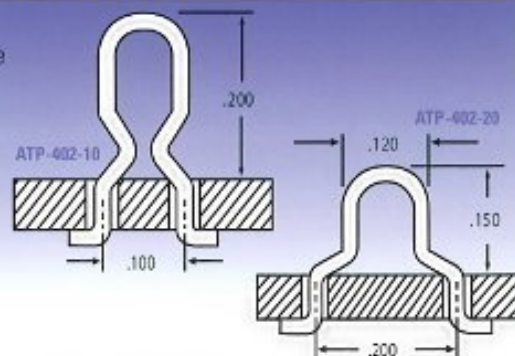


### ATP-402 SERIES AUTO INSERTABLE, PRINTED CIRCUIT TEST POINTS

- Tape/reel format for automatic insertion on radial lead equipment
- .100" or .200" leg spacings
- .020" diameter copper wire
- .035" or .040" mounting holes
- Compatible with radial lead insertion equipment
- Available in two mounting styles

**SPECIFICATIONS**

- Material: .020" Dia. Copper Wire (24 AWG)
- Finish: Electro-Tin
- Mounting Hole: .035" to .040" Dia., Plated Through
- Standard Pack: 5000 Per Reel
- Taping Standard: Universal Instruments Specification #GS-187E





# Preform Jumpers and Clips

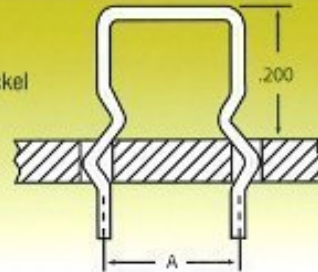
## PJ-201 SERIES PC MOUNTED PREFORM JUMPERS



- Detented legs provide pre-set board standoff
- Versions available from .100" to .300" spacing
- Brass alloy
- .040" diameter mounting holes

### SPECIFICATIONS

- Material: .020" Dia. 70/30 Brass Wire
- Finish: .0001 matte tin over .00005 nickel
- Mounting: two .040" Dia.  $\pm .003$ " plated through holes
- Max. Current: 2 amperes



### Dimension Chart

P/N	A
PJ-201-10-T	.100
PJ-201-20-T	.200
PJ-201-25-T	.250
PJ-201-30-T	.300

## PJ-202 SERIES PC MOUNTED PREFORM JUMPERS



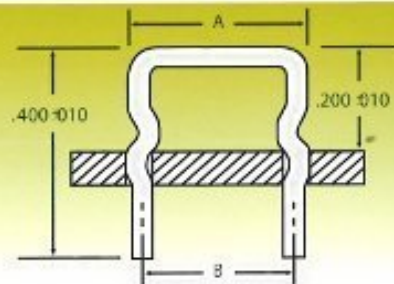
- Heavy duty construction for high current and strength
- Max. Current: 10 amperes
- Available in increments of .050" centers from .200" through .350"
- .040" diameter copper wire
- .055" diameter mounting holes

### SPECIFICATIONS

- Finish: .0001 matte tin over .00005 nickel

### Dimension Chart

P/N	A	B
PJ-202-20-T	.240	.200
PJ-202-25-T	.290	.250
PJ-202-30-T	.340	.300
PJ-202-35-T	.390	.350



## SJ SERIES • PC Surface Mount Jumpers • Ultra-low profile • Delivered on tape and reel



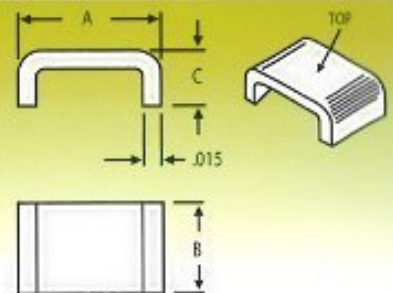
- SMT jumper
- Replaces 0 Ohm resistors
- No insulation required
- Delivered on tape and reel
- Available in 0805 and 1206 package sizes

### SPECIFICATIONS

- Material: #C110 Copper Flat Wire
- Finish: .0001 matte tin over .00005 nickel
- Max. Current: 2 amperes

### Dimension Chart

Size	A	B	C
SJ-0805-01-T	.080	.050	.050
SJ-1206-01-T	.120	.062	.050



## FJ SERIES • PC Surface Mount Jumpers • Ultra-low profile • Delivered on tape and reel



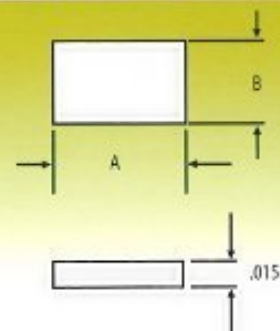
- SMT jumper
- Replaces 0 Ohm resistors
- No insulation required
- Delivered on tape and reel
- Available in 0805 and 1206 package sizes

### SPECIFICATIONS

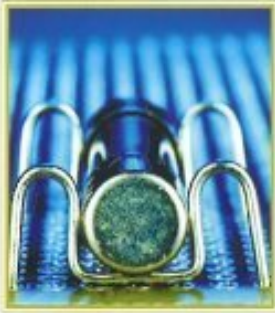
- Material: #C110 Copper Flat Wire
- Finish: .0001 matte tin over .00005 nickel
- Max. Current: 2 amperes

### Dimension Chart

Size	A	B
FJ-0805-01-T	.080	.050
FJ-1206-01-T	.120	.062



## Preform Jumpers and Clips

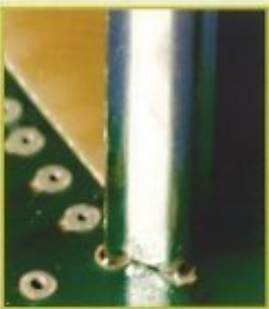
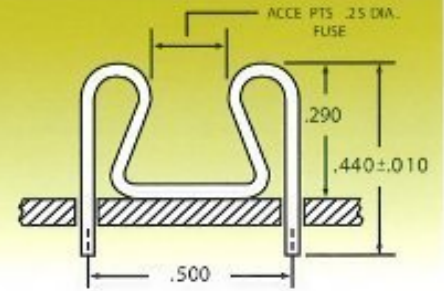


### MC-27 PC MOUNTED FUSE CLIP

- Exceptional retention force for .250" diameter fuses on PCB's
- Legs mount on .500" centers
- Heat treated, beryllium copper alloy
- .036" diameter mounting holes

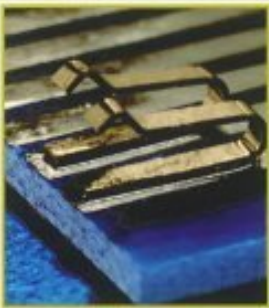
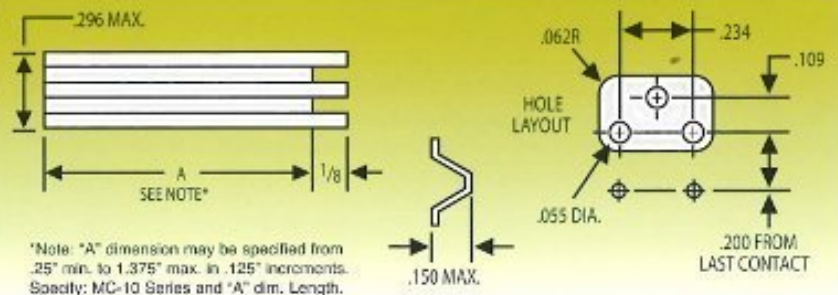
#### SPECIFICATIONS

- Material: .031" Dia. BeCu Wire (#25 alloy)
- Finish: Bright Electro-Tin .0001"
- Mounting: Two, .036" Dia.  $\pm$  .003"
- Max. Current: 10 amperes
- Retention Force: 900 grams/pair, typical



### MC-10 CARD GUIDE

- .250" - 1.375" above board length
- Wave solderable to PCB's
- No mounting hardware necessary

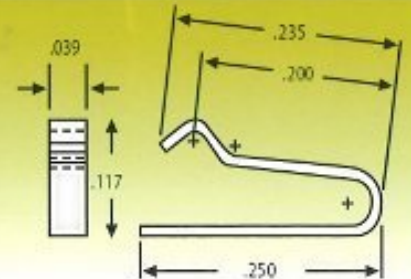


### BC-501-1 • Battery Contact

- Free standing battery contact
- Specifically for portable electronic devices
- Random placement for design flexibility
- Reduces overall footprint and weight

#### SPECIFICATIONS

- Material: Phosphor Bronze #510
- Finish: .00001 gold over .00002 nickel
- Package Size: 1000 Pc. Reels 7" x 12mm
- Taping Spec.: EIA-481
- Max. Current: 2 amperes





## Connectors and Sockets

### DIGI-KLIP! FREE-STANDING CARD EDGE CONNECTORS

All DIGI-KLIP® free-standing card edge contacts are designed for use in "board-to-board" interconnect applications. There are four series from which to choose, and all of them are provided pre-loaded on disposable injection molded carrier strips for mass mounting, alignment and soldering.

- Exceptional performance and reliability in high speed digital applications
- Extremely low profiles for greater packaging densities
- Pre-loaded on carrier strips in pitches of .050", .100", .150" or .156"
- Single row, dual row and micro-miniature styles

#### • DIGI-KLIP SMP/SMA



Micro-miniature single row applications; for 0.031" and 0.062" daughter card mating; available in increments of 0.050" and 0.100".

#### • DIGI-KLIP SRP



Standard single row applications; for 0.062" daughter card mating; available in increments of 0.100", 0.125", 0.150" and 0.156".

#### • DIGI-KLIP DRP



Standard dual row applications; for 0.062" daughter card mating; available in increments of 0.100", 0.150" and 0.156".

#### • DIGI-KLIP MDR100 Series



- .100" centerline spacing
- Beryllium copper contacts
- Dip solder termination
- Modular construction

### CUSTOMIZED SOLUTIONS

For over sixty years, Components Corporation has specialized in wireform interconnect products for the OEM electronics industry. Through the production of our patented DIGI-KLIP®, p.c. connector and related products, we have developed a unique capability in wireform fabrication. Applying our knowledge of interconnect technology and experience in forming precision alloy materials, we have

produced many innovative and low cost tooling techniques to provide custom wireform devices at competitive prices.

We invite you to take advantage of our expertise. Provide us with a drawing or sketch of your requirements and we will supply you with an exact quotation, specific to your needs and within your budget.

### CERTIFICATE OF COMPLIANCE WITH DIRECTIVE 2002/95/EC RoHS

This is to certify that Components Corporation designs, manufactures and supplies products to our customers that are in compliance with directive 2002/95/EC. This also pertains to procurement of raw material, component parts and processes.

Certificate of  
Compliance  
With Directive  
2002/95/EC  
RoHS

*Individual data sheets and product samples on request!*

COMPONENTS  CORPORATION