

# PC FUSE CLIPS & HOLDERS

Designers' Choice




## PC AUTOMOTIVE BLADE FUSE CLIPS

- Available for **standard** and **mini** blade fuses
- Horizontal and vertical **standard** blade clips for Littelfuse ATO 257 series and Bussmann ATC fuses
- Horizontal and vertical **mini** blade clip for Littelfuse ATO 297 series and Bussmann ATM fuses
- Withstands the rigors of shock and vibration
- Orientation legs assure proper PC installation
- Thru hole PC mountable, maintains position during wave soldering
- Holds fuse securely, even after multiple insertions
- Space saving, low profile designs
- Suitable for 15 Amp applications


**SPECIFICATIONS**  
**Current Rating:** 15 Amps  
**Voltage Rating:** 500VAC

**FOR .205 × .025 STANDARD BLADE FUSES**



.016 Brass, Nickel Plate

**CAT NO. 3522 - Vertical Clip**




.012 Brass, Nickel Plate

**CAT NO. 3550 - Horizontal Clip**


Mounting Detail For Two Clips

**FOR .110 × .032 MINI BLADE FUSES**



.012 Brass, Nickel Plate

**CAT NO. 3544 - Vertical Clip**



.012 Brass, Nickel Plate

**CAT NO. 3549 - Horizontal Clip**


Mounting Detail For Two Clips

## PC "AUTO" BLADE FUSE HOLDERS

- Preassembled contacts reduce PC assembly costs
- Holders available for **standard** and **mini** blade fuses
- **Standard** blade fuse holder is compatible with Littelfuse ATO 257 series and Bussmann ATC fuses
- **Mini** blade holder is compatible with Littelfuse ATO 297 series and Bussmann ATM fuses
- Thru hole PC mountable, maintains position during wave soldering
- Holder design prevents solder wicking
- Withstands the rigors of shock and vibration
- Holds fuse securely, even after multiple insertions
- Suitable for 15 Amp applications

**SPECIFICATIONS**  
**Contacts:** Brass, Nickel Plate; **Insulator:** Glass Filled Black Nylon, UL rated 94V-0; **Current Rating:** 15 Amps; **Voltage Rating:** 500VAC; **Temperature Rating:** -58°F to +292°F (-50°C to +145°C)


### FOR .205 × .025 STANDARD BLADE FUSES



Mounting Detail

**CAT NO. 3522-2**

### FOR .110 × .032 MINI BLADE FUSES



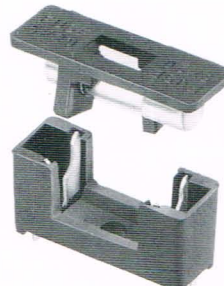
Mounting Detail

**CAT NO. 3544-2**

## PC 5MM FUSE HOLDERS

### PLASTIC HOLDER & (OPTIONAL) COVER

- Low profile, space saving design
- Optional cover protects and insulates fuse
- "Easy-Load" cover holds fuse to assist insertion and withdrawal
- Spring contacts assure positive connection and low contact resistance
- Notched finger-slots for easy fuse insertion and replacement



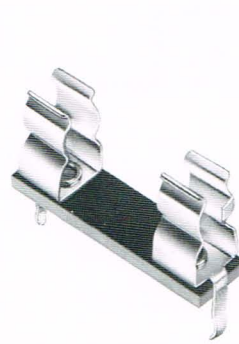
Mounting Detail

**CAT NO. 4527 - Holder**  
**CAT NO. 4527C - Cover Only**

**SPECIFICATIONS**  
**Base & Cover:** Nylon, UL94V-0  
**Contacts:** Brass, Tin Plated  
**Rated:** 5 Amp @ 250V

### PC SNAP-IN FUSE HOLDER

- Low profile, space saving design
- Snap-in design for wave soldering
- Low contact resistance
- Withstands shock and vibration



Mounting Detail

**MATERIAL**  
**Base:** .062 G-10, UL Rated 94V-0  
**Clips:** Brass, Tin Plate

**CAT NO. 3527**



Designers' Choice

# MICRO PINS

- Precision engineered and manufactured
- Space saving design for high density packaging
- Micro pins are available in .017 to .080 diameters
- Ideal for mating with our standard line of micro jacks
- Available for press-fit, swage or solder mounting
- Sizes for .032, .062, .093 and .125 thick PC boards
- Custom micro pins manufactured to your specifications
- Other platings available upon request



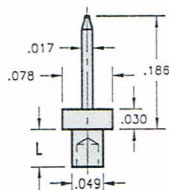
### SPECIFICATIONS

**Material:** Brass, ASTM-B16

**Plating:** Gold: .000010 per MIL-G-45204, Type II

Tin: .000200 to .000300 per MIL-T-10727, Type 1

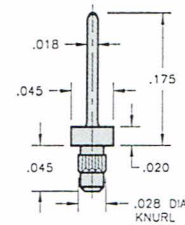
### .017 Pin - SWAGE MOUNT



GOLD PLATED CAT. NO.	TIN PLATED "L" Bd CAT. NO.	Lgth.	Thk.
1967-1	1968-1	.051	.032
1967-2	1968-2	.082	.062
1967-3	1968-3	.113	.093
1967-4	1968-4	.145	.125

Mounting Hole .052 Dia.

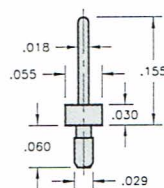
### .018 Pin - PRESS-FIT



GOLD PLATED CAT. NO.	TIN PLATED CAT. NO.
1986-1	1987-1

Mounting Hole .026 Dia.

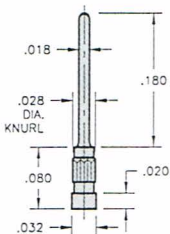
### .018 Pin - PRESS-FIT



GOLD PLATED CAT. NO.	TIN PLATED CAT. NO.
1988-2	1989-2

Mounting Hole .026 Dia.

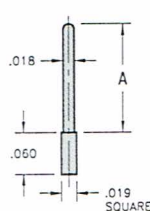
### .018 Pin - PRESS-FIT



GOLD PLATED CAT. NO.	TIN PLATED CAT. NO.	MATERIAL
1990-2	1991-2	Phos. Bronze

Mounting Hole .026 Dia.

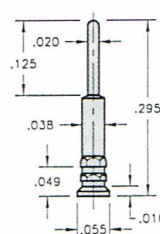
### .018 Pin - PRESS-FIT



GOLD PLATED CAT. NO.	TIN PLATED "A" Dim. CAT. NO.	Dim.
1992-2	1994-2	.243
1993-2	1995-2	.140

Mounting Hole .022 Dia.

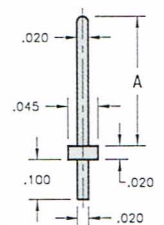
### .020 Pin - PRESS-FIT



GOLD PLATED CAT. NO.	TIN PLATED CAT. NO.
1996-2	1997-2

Mounting Hole .040 Dia.

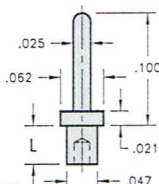
### .020 Pin - SOLDER MOUNT



GOLD PLATED CAT. NO.	TIN PLATED "A" Dim. CAT. NO.	Dim.
1998-3	2000-3	.250
1999-3	2001-3	.425

Mounting Hole .024 Dia.

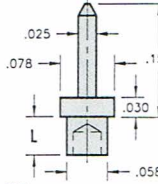
### .025 Pin - SWAGE MOUNT



GOLD PLATED CAT. NO.	TIN PLATED "L" Bd CAT. NO.	Lgth.	Thk.
1404-1	1424-1	.051	.032
1404-2	1424-2	.082	.062
1404-3	1424-3	.113	.093
1404-4	1424-4	.145	.125

Mounting Hole .052 Dia.

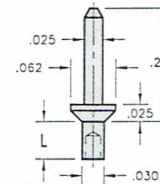
### .025 Pin - SWAGE MOUNT



GOLD PLATED CAT. NO.	TIN PLATED "L" Bd CAT. NO.	Lgth.	Thk.
1408-1	1428-1	.062	.032
1408-2	1428-2	.094	.062
1408-3	1428-3	.125	.093
1408-4	1428-4	.156	.125

Mounting Hole .062 Dia.

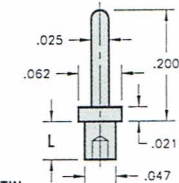
### .025 Pin - SWAGE MOUNT



GOLD PLATED CAT. NO.	TIN PLATED "L" Bd CAT. NO.	Lgth.	Thk.
1406-1	1426-1	.047	.032
1406-2	1426-2	.078	.062
1406-3	1426-3	.110	.093
1406-4	1426-4	.141	.125

Mounting Hole .035 Dia.

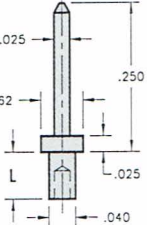
### .025 Pin - SWAGE MOUNT



GOLD PLATED CAT. NO.	TIN PLATED "L" Bd CAT. NO.	Lgth.	Thk.
1407-1	1427-1	.051	.032
1407-2	1427-2	.082	.062
1407-3	1427-3	.113	.093
1407-4	1427-4	.145	.125

Mounting Hole .052 Dia.

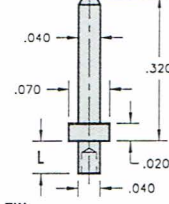
### .025 Pin - SWAGE MOUNT



GOLD PLATED CAT. NO.	TIN PLATED "L" Bd CAT. NO.	Lgth.	Thk.
1401-1	1421-1	.065	.032

Mounting Hole .043 Dia.

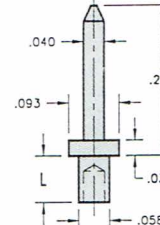
### .040 Pin - SWAGE MOUNT



GOLD PLATED CAT. NO.	TIN PLATED "L" Bd CAT. NO.	Lgth.	Thk.
1405-1	1425-1	.051	.032
1405-2	1425-2	.082	.062
1405-3	1425-3	.113	.093

Mounting Hole .043 Dia.

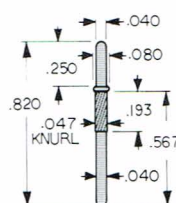
### .040 Pin - SWAGE MOUNT



GOLD PLATED CAT. NO.	TIN PLATED "L" Bd CAT. NO.	Lgth.	Thk.
1402-3	1422-3	.125	.093

Mounting Hole .062 Dia.

### .040 Pin - PRESS-FIT

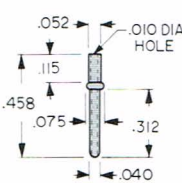


#### KAY PIN

Press-fit into .043 dia. hole

CAT. NO. 1218 MATERIAL: Solid Nickel Silver

### .040 Pin - SWAGE MOUNT

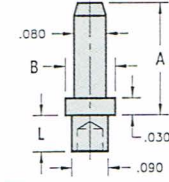


#### TUBULAR HOLLOW PIN

Stake to .062 board. Mounting hole .059 dia.

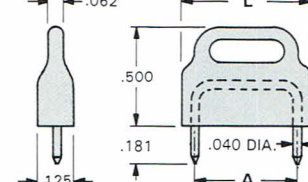
CAT. NO. 1219 MATERIAL: Brass, Tin Plate

### .080 Pin - SWAGE MOUNT



GOLD PLATED CAT. NO.	TIN PLATED "A" "B" "L" Bd CAT. NO.	Dim.	Dim.	Lgth.	Thk.
1447-1	1455-1	.335	.156	.051	.032
1447-2	1455-2	.400	.125	.094	.062
1447-3	1455-3	.400	.125	.125	.093
1447-4	1455-4	.400	.125	.156	.125

### .040 Pins - INSULATED SHORTING PLUG



RED CAT. NO.	BLACK CAT. NO.	"A" Dim.	"L" Dim.
1460R	1460B	.200	.375
1461R	1461B	.250	.375
1462R	1462B	.400	.620
1463R	1463B	.500	.620

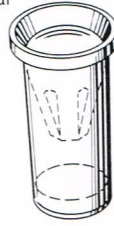
INSULATOR: Plastic, Red or Black  
PINS: Brass, Gold Plate

# MICRO JACKS

Designers' Choice



- Precision engineered, "closed entry" contacts
- Space saving design for high density packaging
- Micro jacks are available for mating with .015 to .082 diameter pins and leads
- Beryllium Copper multi-spring contact maintains retention after multiple insertions
- Ideal for mounting transistors, resistors, diodes, IC's and similar miniature components
- Available for press-fit, swage or solder mounting
- Sizes for .032, .062, .093 and .125 thick PC boards
- Custom micro jacks manufactured to your specifications
- Other platings available upon request



## SPECIFICATIONS

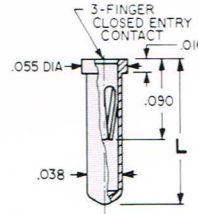
Body: Brass, ASTM-B16

Spring: Beryllium Copper (QQ-C-533)

Plating: Gold: .000010 per MIL-G-45204, Type II

Tin: .000200 to .000300 per MIL-T-10727, Type 1

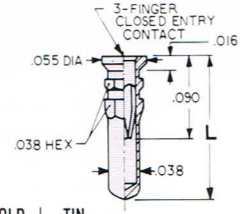
### For .015 - .021 Pin - SOLDER MOUNT



GOLD PLATED CAT. NO.	TIN PLATED CAT. NO.	"L" Lgth
1411-1	1431-1	.140
1411-2	1431-2	.170

Mounting Hole .040 Dia.

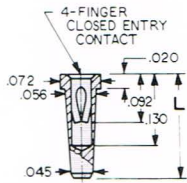
### For .015 - .021 Pin - PRESS-FIT



GOLD PLATED CAT. NO.	TIN PLATED CAT. NO.	"L" Lgth
1412-1	1432-1	.140
1412-2	1432-2	.170
1412-3	1432-3	.282

Mounting Hole .040 Dia.

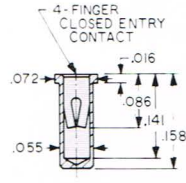
### For .015 - .025 Pin - TAPER-FIT



GOLD PLATED CAT. NO.	TIN PLATED CAT. NO.	"L" Lgth
1415-1	1435-1	.160
1415-2	1435-2	.190

Mounting Hole .055 Dia.

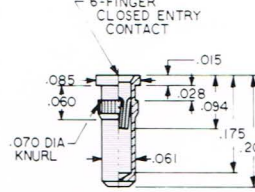
### For .015 - .025 Pin - SOLDER MOUNT



CAT. NO. 1413 - Gold Plate  
CAT. NO. 1433 - Tin Plate

Mounting Hole .057 Dia.

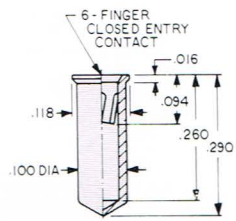
### For .022 - .034 Pin - PRESS-FIT



CAT. NO. 1416 - Gold Plate  
CAT. NO. 1436 - Tin Plate

Mounting Hole .067 Dia.

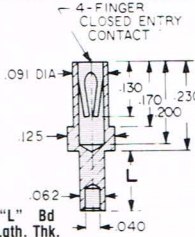
### For .040 - .050 Pin - SOLDER MOUNT



CAT. NO. 1418 - Gold Plate  
CAT. NO. 1438 - Tin Plate

Mounting Hole .102 Dia.

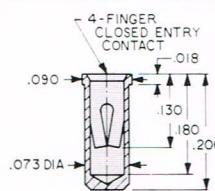
### For .032 - .046 Pin - SWAGE MOUNT



GOLD PLATED CAT. NO.	TIN PLATED CAT. NO.	"L" Lgth	Bd Thk.
1419-1	1439-1	.062	.032
1419-2	1439-2	.094	.062
1419-3	1439-3	.125	.093
1419-4	1439-4	.156	.125

Mounting Hole .067 Dia.

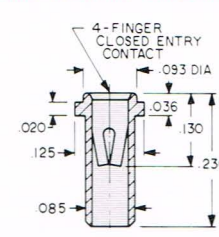
### For .032 - .046 Pin - SOLDER MOUNT



CAT. NO. 1417 - Gold Plate  
CAT. NO. 1437 - Tin Plate

Mounting Hole .076 Dia.

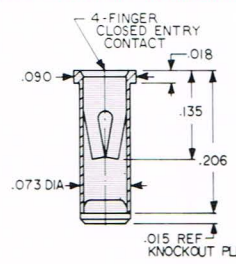
### For .032 - .046 Pin - SOLDER MOUNT



CAT. NO. 1414 - Gold Plate  
CAT. NO. 1434 - Tin Plate

Mounting Hole .089 Dia.

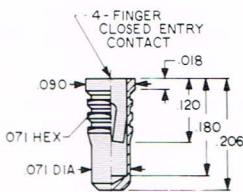
### For .032 - .046 Pin - SOLDER MOUNT



CAT. NO. 1441 - Gold Plate  
CAT. NO. 1444 - Tin Plate

Mounting Hole .076 Dia.

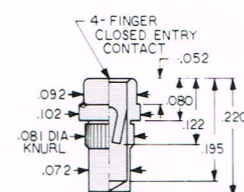
### For .032 - .046 Pin - PRESS-FIT



CAT. NO. 1442 - Gold Plate  
CAT. NO. 1445 - Tin Plate

Mounting Hole .076 Dia.

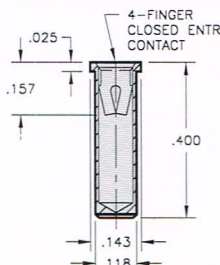
### For .032 - .046 Pin - PRESS-FIT



CAT. NO. 1443 - Gold Plate  
CAT. NO. 1446 - Tin Plate

Mounting Hole .078 Dia.

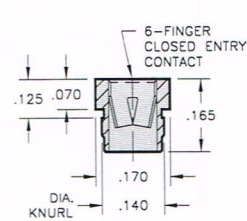
### For .065 - .082 Pin - SOLDER MOUNT



CAT. NO. 1641A - Gold Plate  
CAT. NO. 1641B - Tin Plate

Mounting Hole .120 Dia.

### For .084 - .102 Pin - PRESS-FIT

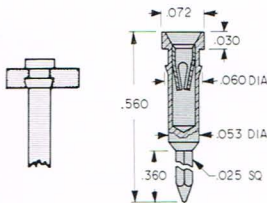


CAT. NO. 1640A - Gold Plate  
CAT. NO. 1640B - Tin Plate

Mounting Hole .138 Dia.

### IC SOCKET CONTACTS - For .015 - .025 Leads

Retains .016 to .022 Dia. Leads.  
4 Finger Contacts.

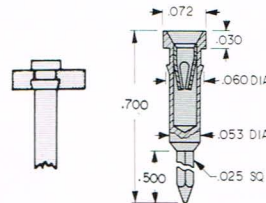


PRESS-FIT  
Mounting Hole .055 Dia.

CAT. NO. 3501 - Gold Plate  
CAT. NO. 3505 - Tin Plate

### IC SOCKET CONTACTS - For .015 - .025 Leads

Retains .016 to .022 Dia. Leads.  
4 Finger Contacts.

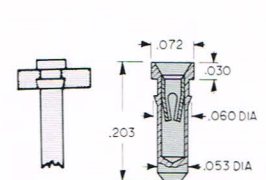


PRESS-FIT  
Mounting Hole .055 Dia.

CAT. NO. 3502 - Gold Plate  
CAT. NO. 3506 - Tin Plate

### IC SOCKET CONTACTS - For .015 - .025 Leads

Retains .016 to .022 Dia. Leads.  
4 Finger Contacts.



PRESS-FIT  
Mounting Hole .055 Dia.

CAT. NO. 3503 - Gold Plate  
CAT. NO. 3507 - Tin Plate

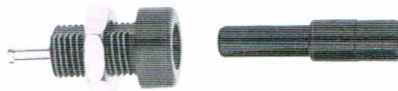


Designers' Choice

# PLUGS & JACKS

## SHROUDED MALE PIN JACKS & SPRING CONTACT PLUGS

- Fully shrouded connection
- Color coded for easy identification
- Low contact resistance
- Precision spring contact for reliable connection
- Highly durable for multiple insertions
- Plugs available for 20 and 22 gauge wire (crimp or solder)
- Low insertion and withdrawal forces
- Field replaceable and autoclavable



### SPECIFICATIONS

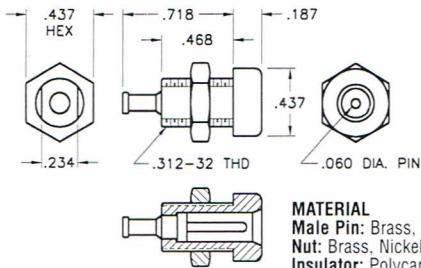
Current Rating: 7 Amps  
 Breakdown Voltage: 3500 VRMS  
 Contact Resistance: .010 Ω Maximum  
 Plug Shroud Diameter: .177  
 Operating Temperature: -66°F to +185°F (-55°C to +85°C)

### SHROUDED MALE PIN JACK (Fully Insulated)

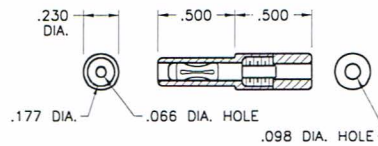
MATES WITH

### SHROUDED SPRING CONTACT PLUG

CAT. NO.	COLOR
9000	WHITE
9001	RED
9002	BLACK
9003	GREEN
9004	YELLOW
9005	BLUE



**MATERIAL**  
 Male Pin: Brass, Gold Plate  
 Nut: Brass, Nickel Plate  
 Insulator: Polycarbonate



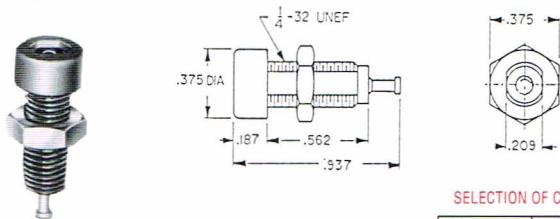
**MATERIAL**  
 Spring Contact: Beryllium Copper, Gold Plate  
 Body: Brass, Gold Plate  
 Insulator: Polycarbonate

CAT. NO.	COLOR	GAUGE
9006	WHITE	20 AWG WIRE
9007	RED	
9008	BLACK	
9009	GREEN	
9010	YELLOW	
9011	BLUE	22 AWG WIRE
9012	WHITE	
9013	RED	
9014	BLACK	
9015	GREEN	
9016	YELLOW	
9017	BLUE	

## FULLY INSULATED DELUXE TIP JACK

### ACCEPTS .080" TIP (WITH CLOSED ENTRY CONTACT)

Fully molded body with recessed closed entry design. Assures maximum retention with .010Ω maximum contact resistance. Prevents accidental insertion of larger diameter probes. Current rating: 10 Amps. Breakdown voltage 5700 VRMS. Capacitance to metal panel 2.0 pF nominal. Supplied with nut.



### SELECTION OF COLORS

CAT. NO.	COLOR
6030	WHITE
6031	RED
6032	BLACK
6033	GREEN
6034	YELLOW
6035	BLUE

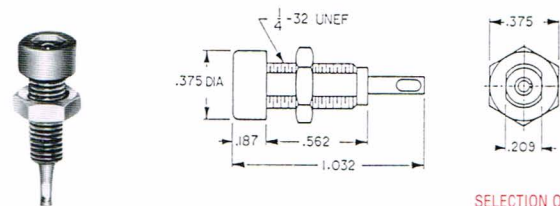
### MATERIAL

Body: Molded Nylon ASTM D4066  
 Contact: Beryllium Copper, Silver Plate  
 Terminal: Brass, Tin Plate

## FULLY-INSULATED STANDARD TIP JACK

### ACCEPTS .080" TIP

Economical tip jacks with molded Nylon body. Low contact resistance. Formed phosphor bronze contact with solder hole for ease in attaching wire. Current rating 10 Amps. Breakdown voltage 5700 VRMS. Capacitance to metal panel 3.8 pF. Supplied with nut.



### SELECTION OF COLORS

CAT. NO.	COLOR
6018	WHITE
6019	RED
6020	BLACK
6021	GREEN
6022	YELLOW
6023	BLUE

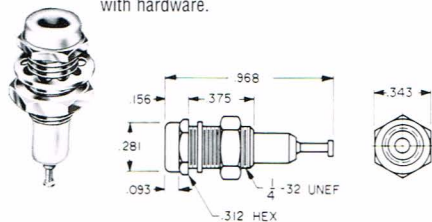
### MATERIAL

Body: Molded Nylon ASTM D4066  
 Contact: Phosphor Bronze, Tin Plate

## METAL-CLAD TIP JACK (MIL)

### ACCEPTS .080" TIP (WITH CLOSED ENTRY CONTACT)

High quality tip jack for high reliability industrial applications. Ideal for use where required to withstand severe environmental conditions, temperature, vibration and salt spray. Recessed closed entry contact. Current rating: 5 Amps. Breakdown voltage: 5700 VRMS. Made to MS-16108 Rev. F of MIL-STD-242A and MIL-C39024/10. Capacitance to metal panel 2.0 pF. Supplied complete with hardware.



### SELECTION OF COLORS

CAT. NO.	COLOR
6012	WHITE
6013	RED
6014	BLACK
6015	GREEN
6016	YELLOW
6017	BLUE

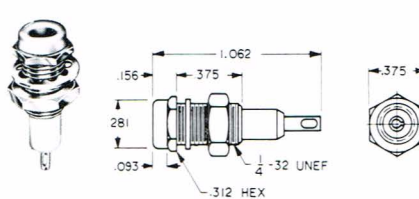
### MATERIAL

Body: Molded Nylon ASTM D4066  
 Shell & Nut: Brass QQ-B-626. Nickel Plate QQ-N-290  
 Contact: Beryllium Copper PER QQ-C-533. Gold Plate MIL-G-45204

## METAL-CLAD TIP JACK (STD)

### ACCEPTS .080" TIP

Molded Nylon body with metal jacket. Contact is formed from phosphor bronze with solder hole for ease in attaching wire. Designed for positive contact, easy insertion and withdrawal. Current rating: 10 Amps. Breakdown voltage: 5700VRMS. Capacitance to metal panel 3.8 pF. Supplied with nut.



### SELECTION OF COLORS

CAT. NO.	COLOR
6024	WHITE
6025	RED
6026	BLACK
6027	GREEN
6028	YELLOW
6029	BLUE

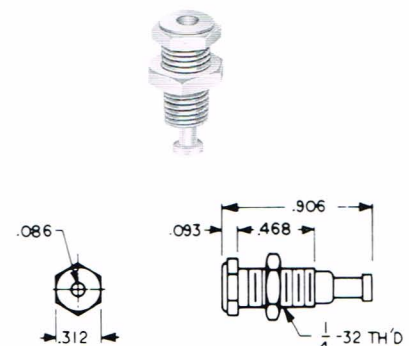
### MATERIAL

Body: Molded Nylon ASTM D4066  
 Shell: Brass, Nickel Plate  
 Contact: Phosphor, Bronze Silver Plate

## UNINSULATED TIP JACK

### ACCEPTS .080" TIP

Quality, precision machined tip jack made of brass. Ideal for use on metal panels where grounding is required. Fits panels up to 3/8" thk. Complete with hex nut.



### MATERIAL

Body: Brass, Nickel Plate  
 Contact: Bronze  
 Rating: 15 Amps.

CAT. NO. 6097

# TEST JACKS

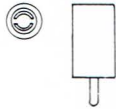
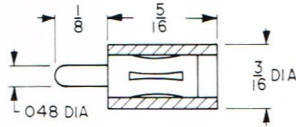
Designers' Choice



## VERTICAL PC TEST JACK

ACCEPTS .080" TIP

This low profile vertical jack allows dense packaging where space is limited. Mounts into a .052" diameter hole. Provides easy access and positive electrical contact. The contact is recessed to prevent accidental shorting. Capacitance between two adjacent jacks less than 1.0 pF at 1 MHz. Operating voltage is 1500 Volts RMS. Current rating 5 Amps max.



ACTUAL SIZE

SELECTION OF COLORS

CAT. NO.	COLOR
6036	WHITE
6037	RED
6038	BLACK
6039	YELLOW
6040	GREEN
6041	BLUE

**MATERIAL**

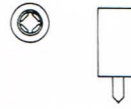
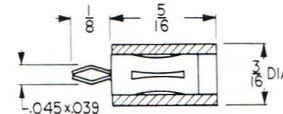
Body: Nylon per ASTM D4066  
Contact: Beryllium Copper, Silver Plate

## SNAP-IN VERTICAL PC TEST JACK

ACCEPTS .080" TIP

Low cost, compact and dependable snap-in vertical test jack features a unique spring shank which retains the jack throughout wave soldering procedure. Ideal for use on circuit boards of audio, digital and R.F. circuitry. Contact recessed to prevent accidental shorting. Current rating: 5 Amps. Operating voltage 1500 Volts RMS. Capacitance between two adjacent jacks less than 1.0 pF at 1 MHz.

MOUNTING: Snap-fits into .052 hole



ACTUAL SIZE

SELECTION OF COLORS

CAT. NO.	COLOR
6042	WHITE
6043	RED
6044	BLACK
6045	YELLOW
6046	GREEN
6047	BLUE

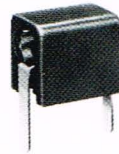
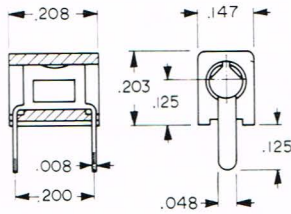
**MATERIAL**

Body: Nylon per ASTM D4066  
Contact: Beryllium Copper, Silver Plate

## MINIATURE HORIZONTAL PC TEST JACK

ACCEPTS .080" TIP

Space saver test jack designed for use where space is a limiting factor. Half the size of standard jacks. Accepts .080" tip plug in either end. Mounts on .200" centers in .052" holes. Can be spaced side by side on .160" centers minimum. Two common terminals. Current rating: 5 Amps. Breakdown voltage: 2100 VRMS, Capacitance 1.0 pF maximum.



ACTUAL SIZE

SELECTION OF COLORS

CAT. NO.	COLOR
6048	WHITE
6049	RED
6050	BLACK
6051	YELLOW
6052	GREEN
6053	BLUE

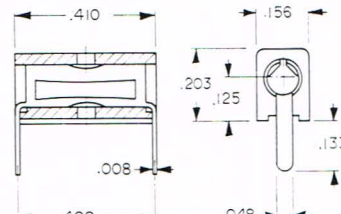
**MATERIAL**

Body: Nylon per ASTM D4066  
Contact: Beryllium Copper Silver Plate

## UNIVERSAL HORIZONTAL PC TEST JACK

ACCEPTS .080" TIP

This universal design accepts .080" tip plug in either end, or from top or bottom. Top contact will also accept hook-type oscilloscope probe. Two common terminals. Current rating: 5 Amps. Breakdown voltage: 2100 VRMS. Capacitance 1.0 pF maximum. Mounts on .400" centers in .052" holes. Side by side mounting on .160" centers.



ACTUAL SIZE

SELECTION OF COLORS

CAT. NO.	COLOR
6054	WHITE
6055	RED
6056	BLACK
6057	YELLOW
6058	GREEN
6059	BLUE

**MATERIAL**

Body: Nylon per ASTM D4066  
Contact: Beryllium Copper Silver Plate

## LOW PROFILE HORIZONTAL PC TEST JACK

ACCEPTS .080" TIP

This low profile double-entry design is recognized for its dependability, and allows dense packaging on .160" centers. Side by side mounting. Closed entry design for use with .074 to .084 dia. tips. Reliability is designed into this rugged low cost jack. Mounts on .400" centers in .052" holes. Current rating: 5 Amps. Breakdown voltage 2100 VRMS. Contact resistance .010Ω maximum.

**MATERIAL**

Body: Nylon per ASTM D4066  
Contact: Beryllium Copper, Silver or Gold Plate

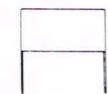
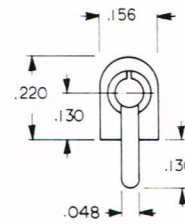
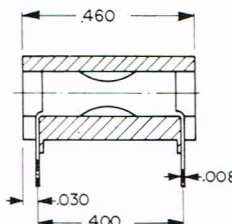
Choice of Gold or Silver Plate Contacts

WITH GOLD PLATING  
SELECTION OF COLORS

CAT. NO.	COLOR
6060	WHITE
6061	RED
6062	BLACK
6063	YELLOW
6064	GREEN
6065	BLUE

WITH SILVER PLATING  
SELECTION OF COLORS

CAT. NO.	COLOR
6066	WHITE
6067	RED
6068	BLACK
6069	YELLOW
6070	GREEN
6071	BLUE



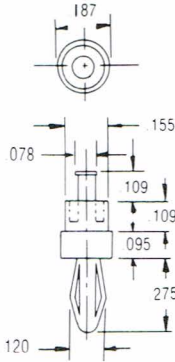
ACTUAL SIZE



Designers' Choice

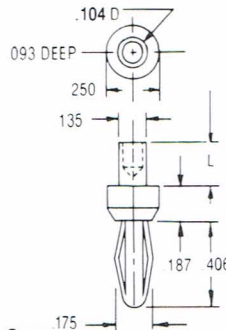
# BANANA PLUGS

## MINIATURE RIVET



**MATERIAL**  
**Spring:** Beryllium Copper  
**Body:** Brass, Bright Tin Plate  
**CAT. NO. 452**

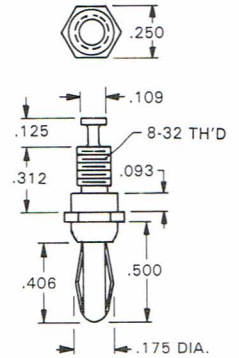
## STANDARD RIVET



**MATERIAL**  
**Spring:** Beryllium Copper  
**Body:** Brass, Nickel Plate

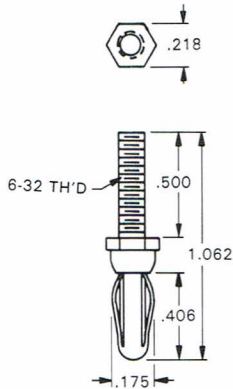
CAT. NO.	L
552-3	.187
552-4	.218

## EXTERNAL THREAD



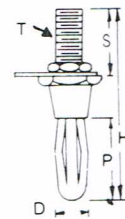
**MATERIAL**  
**Spring:** Beryllium Copper  
**Body:** Brass, Nickel Plate  
**CAT. NO. 652**

## EXTERNAL THREAD



**MATERIAL**  
**Spring:** Beryllium Copper  
**Body:** Brass, Nickel Plate  
**CAT. NO. 653**

## EXTERNAL THREAD

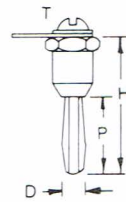


Supplied with lug and nut  
 Unassembled

**MATERIAL**  
**Spring:** Nickel Silver  
**Body:** Brass, Nickel Plate

CAT. NO.	D	P	H	S	T
6074-1	.175	.531	1 1/8	.375	6-32
6074-2	.175	.531	1 1/2	.750	6-32
6075	.300	.750	1 3/4	.625	1/4-28

## INTERNAL THREAD



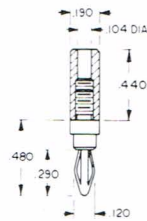
Supplied with screw and lug  
 Unassembled

**MATERIAL**  
**Spring:** Nickel Silver  
**Body:** Brass, Nickel Plate

CAT. NO.	D	P	H	T
6072	.175	.531	.937	6-32
6073	.300	.750	1.12	10-32

## MINI INSULATED

SOLDER CONNECTION

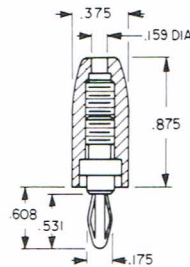


**MATERIAL**  
**Spring:** Beryllium Copper, Nickel Plate  
**Body:** Brass, Nickel Plate  
**Handle:** Nylon

CAT. NO.	COLOR
6076	RED
6077	BLACK

## STANDARD INSULATED

SOLDERLESS CONNECTION

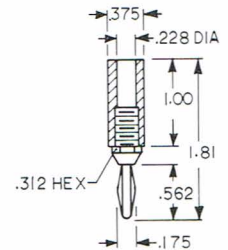


**MATERIAL**  
**Spring:** Nickel Silver  
**Body:** Brass, Nickel Plate  
**Handle:** Nylon

CAT. NO.	COLOR
6078	RED
6079	BLACK

## STANDARD INSULATED

SOLDERLESS CONNECTION



**MATERIAL**  
**Spring:** Nickel Silver  
**Body:** Brass, Nickel Plate  
**Handle:** Nylon

CAT. NO.	COLOR
6082	RED
6083	BLACK

# BANANA PLUGS & JACKS

Designers' Choice

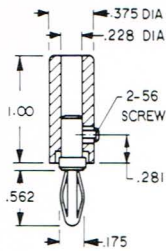


## STD INSULATED PLUG

**SOLDERLESS WITH SET SCREW**



.175 PLUG



**MATERIAL**

Spring: Nickel Silver  
Body: Brass, Nickel Plate  
Handle: Nylon

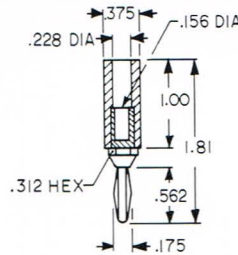
CAT. NO.	COLOR
6084	RED
6085	BLACK

## STD INSULATED PLUG

**SOLDER CONNECTION**



.175 PLUG



**MATERIAL**

Spring: Nickel Silver  
Body: Brass, Nickel Plate  
Handle: Nylon

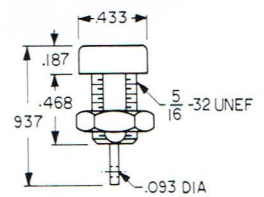
CAT. NO.	COLOR
6080	RED
6081	BLACK

## STD INSULATED JACK

**FULLY INSULATED**



ACCEPTS .175 PLUG



**MATERIAL**

Body: Nylon  
Contact: Brass, Tin Plate

CAT. NO.	COLOR
6091	RED
6092	BLACK

## STD INSULATED JACK

**SOLDER CONNECTION**

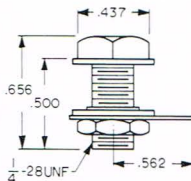


ACCEPTS .175 PLUG

Supplied with lug and nut  
Unassembled

**MATERIAL**

Body: Brass, Nickel Plate  
Terminal: Copper, Tinned  
Hex Head: Nylon



CAT. NO.	COLOR
6093	RED
6094	BLACK

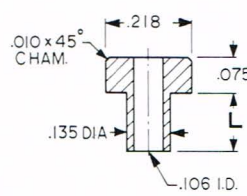
## NON-INSULATED JACKS (STAKING)

**MINIATURE**



ACCEPTS .120 PLUG  
MINIATURE

**MATERIAL:** Brass, Tin Plate



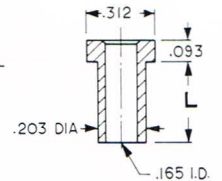
CAT. NO.	L
476-2	.125
476-3	.165
476-4	.187

**STANDARD**



ACCEPTS .175 PLUG

**MATERIAL:** Brass, Nickel Plate



CAT. NO.	L
575-4	.218
575-6	.265
575-8	.350

## STANDARD NON-INSULATED JACKS

**RECESSED HEAD**

Fits panel up to 5/16" thick

**STANDARD HEAD**

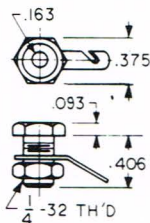
Fits panel up to 3/8" thick

Will accept .175 plug. Complete with hex nut and lug. Unassembled.

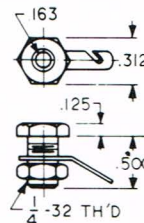
**SPECIFICATIONS:** Body: Brass, Nickel Plate Rating: 15 Amps  
Terminal: Brass, Tin Plate



CAT. NO. 6095



CAT. NO. 6096



## MINIATURE JACK

**NON-INSULATED**

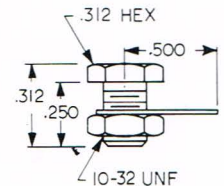


ACCEPTS .120 PLUG

Supplied with lug and nut  
Unassembled

**MATERIAL**

Body: Brass, Nickel Plate  
Terminal: Copper, Tinned



CAT. NO. 6090



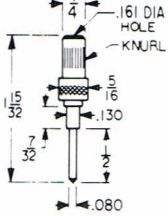
Designers' Choice

# TEST TIPS & PLUGS

**SPECIFICATIONS:** Tips: Brass, Nickel Plate  
 Handles: Nylon 6/6, Available in Red or Black  
 Rating: 10 Amps AC for 10°C temperature rise, continuous duty

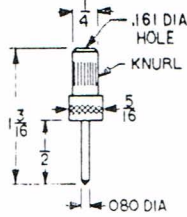
## FORCE FIT SOLDERLESS TIPS

SENIOR



CAT. NO. 1690

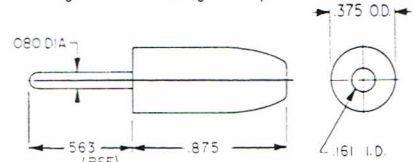
JUNIOR



CAT. NO. 1680

## SOLDERLESS - .080 DIA. TIP PLUGS

Fully insulated molded nylon sleeve. Maximum reliability with minimum contact resistance. Recessed metal head eliminates possibility of shock or grounding. Designed for solderless connection of up to 16 gauge stranded wire which fits through handle and tip and is secured by screwing handle tight. Current rating 10 Amps. Fits all standard tip jacks.

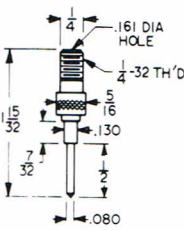


SELECTION OF COLORS

CAT. NO.	COLOR	CAT. NO.	COLOR
6000	WHITE	6003	GREEN
6001	RED	6004	YELLOW
6002	BLACK	6005	BLUE

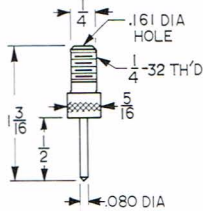
## THREADED SOLDERLESS TIP

SENIOR



CAT. NO. 1691

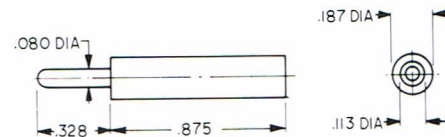
JUNIOR



CAT. NO. 1681

## MINIATURE - .080 DIA. TIP PLUGS

Designed for miniaturization where space is critical. Solder lead connection. Maximum reliability with minimum contact resistance. Base of tip is recessed to eliminate shock or grounding. Fits horizontal tip jacks. Current rating: 10 Amps.

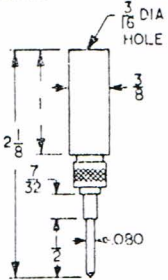


SELECTION OF COLORS

CAT. NO.	COLOR	CAT. NO.	COLOR
6006	WHITE	6009	GREEN
6007	RED	6010	YELLOW
6008	BLACK	6011	BLUE

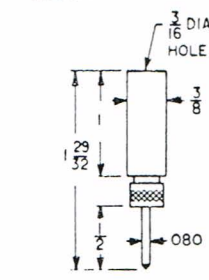
## INSULATED SOLDERLESS TIP

SENIOR



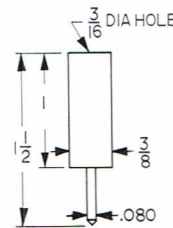
CAT. NO. 1660 - RED  
 CAT. NO. 1661 - BLACK

JUNIOR

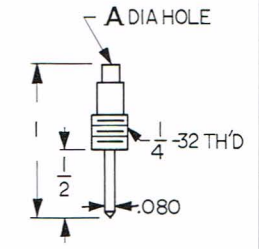


CAT. NO. 1670 - RED  
 CAT. NO. 1671 - BLACK

## STREAMLINE TIPS

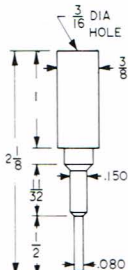


CAT. NO. 1615 - RED  
 CAT. NO. 1616 - BLACK



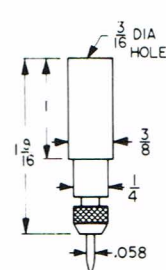
CAT. NO.	A
3022-12	.120
3022-20	.093

## HEAVY DUTY



CAT. NO. 3017 - RED  
 CAT. NO. 3018 - BLACK  
 CAT. NO. 3019 - TIP ONLY

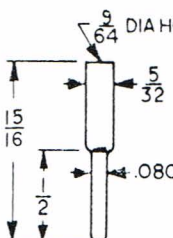
## NEEDLE TIPS



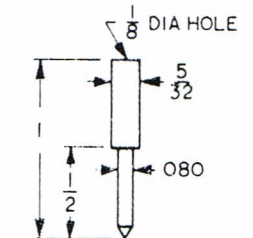
CAT. NO. 3015 - RED  
 CAT. NO. 3016 - BLACK  
 CAT. NO. 3014 - TIP ONLY

## STANDARD PHONE TIPS

Ideal replacement tip for headset, speaker, or extension cord. Cat. No. 1601 Tip accommodates heavier wire.



CAT. NO. 1600



CAT. NO. 1601