Pomona
ELECTRONICS ®

2019–2020 New Product Overview

The choice of electronics engineers and technicians

Test and Measurement • Telecom • Calibration • RF •
Automotive • Audio/Video/Broadcast

Pomona
E L E C T R O N I C S ®

"

Pomona is the only brand we have trusted."

We use several Pomona components in our test systems that we have manufactured for over 20 years."

It's Pomona. These are the staple of labs everywhere."

Can't go wrong with Pomona cables and test leads."

Pomona's quality is consistently the best... I use it lots in my equipment because I can count on it."

All statements provided by verified Pomona customers

Pomona Electronics
The engineers' choice for cables, connectors and adapters

Pomona Electronics is a premier provider of top-quality products for workbenches of engineers and technicians. Since 1951, Pomona offers key solutions in electronics design and development. It's often a challenge to get signals between devices that have different connectors or no connectors at all, whether it's the latest electronic devices or older legacy devices. Customers rely on Pomona as a single source to fill their needs for cables, connectors and adapters.

Pomona Electronics contains a broad array of connections and test accessories for applications ranging from engineering research, test labs, field service and plant maintenance; helping engineers improve the way people work, travel, communicate, stay healthy and even entertain. From tiny probes to cutting-edge voice-activated automotive systems, or micro grabber test clips to verify sound systems that support the biggest names in music, Pomona Electronics has connectors and cable assemblies for the entire spectrum of electronics applications.

Featured products

7519A TwistGuard™ Test Lead Set

Twist and test for measurement versatility and increased safety

The Pomona Electronics 7519A TwistGuard™ Test Lead Set features an adjustable probe tip shroud for use in different measurement environments. By twisting the test probe, the user can change the exposed probe tip length, reducing the amount of tip exposure and any chance of an arc flash from short circuits.

The patented design offers the versatility and quality needed to instantly change the test leads from a CAT II rated probe to a CAT III/IV rated probe, allowing users to meet the latest electrical safety standards.

Features

• TwistGuard™ feature for changing between 19 mm to 4 mm (0.75 in to 0.16 in) probe tip lengths; reducing tip exposure for increased safety

• Probes always show correct category rating for the tip exposure being used

• Compatible with all instruments that accept standard 4mm shrouded banana plugs

• WearGuard™ test lead wire is covered by two layers of silicone insulation, which acts as a wear indicator exposing an inner contrasting color when the leads are nicked, scuffed, or otherwise damaged and in need of replacement

• Extra-heavy strain relief on both the probe-end and banana plug-end, tested beyond 30,000 bends without failure

• Rubber-overmold on the probe and plug provides the user a comfortable hold and steady grip for making accurate measurements

• CAT III 1000 V/CAT IV 600 V, 10 A max. when probe tip shroud is fully extended

• CAT II 1000 V when probe tip shroud is retracted

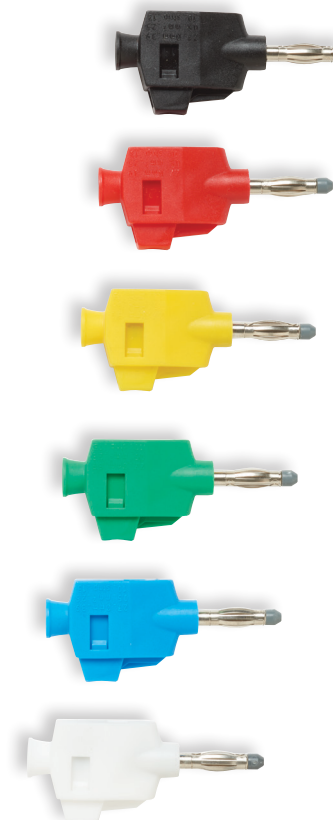**Model number:** 7519A

Set of Black and Red TwistGuard™ Test Leads

73090 DIY 4mm Banana Plug with Quick Wire Attachment

Features

• Attach wires quickly with a spring-loaded push-button tab for easy assembly or test lead repair

• No soldering or set screws required; simply, push and hold the push tab, insert the stripped test lead wire (strip 4-6 mm of insulation) and release the push tab to secure the wire down

• Great in low voltage applications where prototyping and quick wire attachments are important

• Make 4 mm banana plug patch cords conveniently in the field

• Designed to fit on the end of any 22 AWG to 18 AWG wire gauge

• Voltage rating: 33 V ac/70 V dc

• Max current: 20 A

Model number/color

73090-0 Black

73090-2 Red

73090-4 Yellow

73090-5 Green

73090-6 Blue

73090-9 White

Featured products

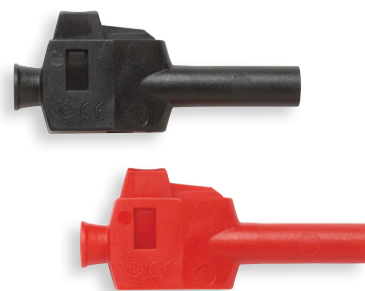## 73091 DIY Sheathed 4mm Banana Plug with Quick Wire Attachment

Features

- Banana plug contact is sheathed for higher voltage and added protection
- Attach wires quickly with a spring-loaded push-button tab for easy assembly or test lead repair
- No soldering or set screws required; simply, push and hold the push tab, insert the stripped test lead wire (strip 4-6 mm of insulation), and release the push tab to secure the wire down
- Make 4 mm banana plug test leads conveniently in the field
- Designed to fit on the end of any 22 AWG to 18 AWG wire gauge
- Voltage rating: CAT II 600 V/CAT III 300 V*
- Max current: 20 A

Model number/color

73091-0   Black

73091-2   Red

*When plug is correctly assembled and terminated

73092 DIY Stackable 4mm Banana Plug with Quick Wire Attachment

Features

- Stackable for chaining additional connections and test versatility
- Attach wires quickly with a spring-loaded push-button tab for easy assembly or test lead repair
- No soldering or set screws required; simply, push and hold the push tab, insert the stripped test lead wire (strip 4-6 mm of insulation), and release the push tab to secure the wire down
- Great in low voltage applications where prototyping and quick wire attachments are important
- Make 4 mm banana plug patch cords conveniently in the field
- Designed to fit on the end of any 22 AWG to 18 AWG wire gauge
- Voltage rating: 33 V ac/70 V dc
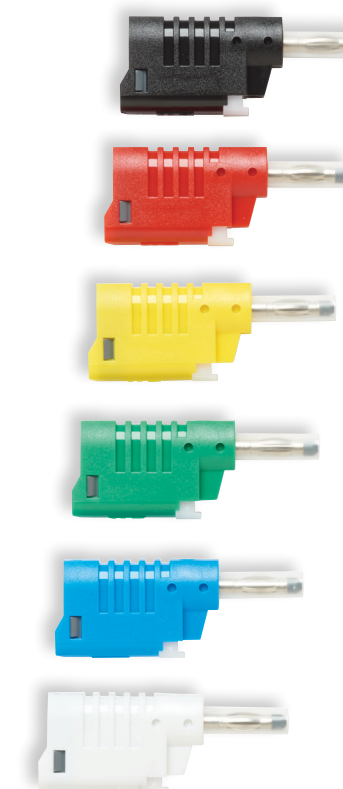- Max current: 36 A

Model number/color

73092-0   Black

73092-2   Red

73092-4   Yellow

73092-5   Green

73092-6   Blue

73092-9   White

Featured products

73093 DIY Retractable Sheath and Stackable 4mm Banana Plug with Quick Wire Attachment

Features

- Retractable sheath allows for interfacing either sheathed or unsheathed 4 mm banana jacks
- Stackable for chaining additional connections and test versatility
- Attach wires quickly with a spring-loaded push-button tab for easy assembly or test lead repair
- No soldering or set screws required; simply, push and hold the push tab, insert the stripped test lead wire (strip 4-6 mm of insulation), and release the push tab to secure the wire down
- Great in low voltage applications where prototyping and quick wire attachments are important
- Make 4 mm banana plug patch cords conveniently in the field
- Designed to fit on the end of any 22 AWG to 18 AWG wire gauge
- Voltage rating: 33 V ac/70 V dc
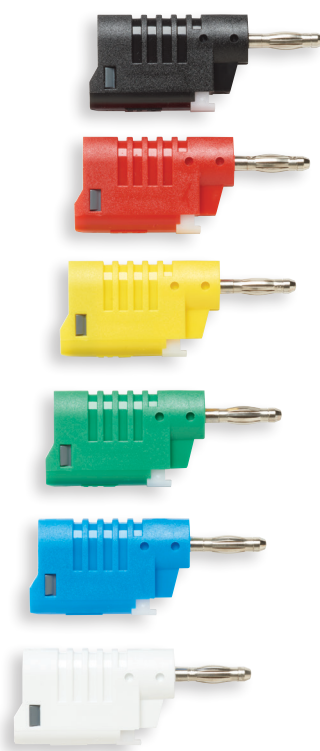- Max current: 36 A

Model number/color

73093-0   Black

73093-2   Red

73093-4   Yellow

73093-5   Green

73093-6   Blue

73093-9   White

73094 Top Loading Binding Posts with Quick Wire Attachment

Features

- Secure wires quickly; simply, pull and hold down the top of the binding post, insert wire into the opening, and release the top of the binding post to secure your connection
- Mounts are a #8 hole
- Max mounting panel thickness of 0.188" (4,78 mm)
- Use up to 15 AWG wire gauge
- Great for any applications where a standard 5-Way or spring loaded binding post are used
- Voltage rating: 33 V ac/70 V dc; 1000 V*
- Max current: 15 A

Model number/color

73094-0   Black

73094-2   Red

*Maximum voltage for hands free use: 1000 V. Do not use on circuits where transient stresses can exceed the rated voltage

Binding Post with 4mm Safety Jack and Quick Wire Connection

Model 73095

- Insulated 4 mm safety jack for sheathed plugs
- Spring-loaded for quick wire connection through the cross hole
- Ideal for panel mounting
- CAT II 600 V, 32 A
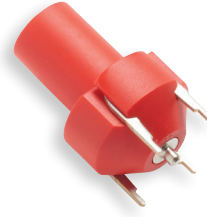
Model number/color

73095-0 Black

73095-2 Red

4mm Safety Jack for PCB

Model 73096

- Ideal for mounting on vertical PCB
- Insulated 4 mm safety jack for sheathed plugs
- CAT III 1000 V/CAT IV 600 V, 24 A
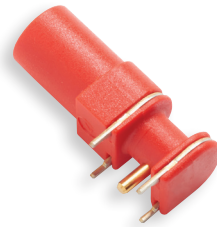
Model number/color

73096-0 Black

73096-2 Red

Right-Angle 4mm Mounting Safety Jack for PCB

Model 73099

- Right-angle configuration minimizes force required to plug in test leads
- Ideal for mounting on PCB
- Insulated 4 mm safety jack for sheathed plugs
- CAT III 1000 V/CAT IV 600 V, 24 A

Model number/color

73099-0 Black

73099-2 Red

Panel Mount Double 4mm Banana Jack

Model 73101-0

- Insulated 4 mm Double Banana Jack
- Ideal for screw-mounting onto pre-drilled panels
- 30 V ac/60 V dc, 25 A

4mm Mounting Safety Jack for Sheathed Banana Plugs

Model 73098

- Insulated 4 mm safety jack for sheathed plugs
- Ideal for panel mounting
- CAT II 1000 V, 32 A

Model number/color

73098-0 Black

73098-2 Red

73098-6 Blue

Maxigrabber, Reinforced Insulation

Model 73103

- Designed for connections to high current conductors
- Reinforced insulated hook clip for increased safety
- 12 mm opening
- CAT II/CAT III/CAT IV 1000 V, 20 A

Model number/color

73103-0 Black

73103-2 Red

BNC (M) Breakout to Flying Leads

Model 73105

- Insulated BNC male connector
- 25 cm length flying leads for custom configurations
- 30 V ac/60 V dc, 3 A

DIY Insulated BNC Connector, 50 Ohm

Model 73104

- Designed for increased electrical protection
- CAT II 1000 V/CAT III 600 V
- 50 Ω Impedance

Model number/color

73104-0 Black

73104-2 Red

73104-6 Blue

Right-Angle Magnetic Probe, 6.6mm dia.

Model 73106

- Ideal for temporary connections to terminal blocks with metal screws
- Quick connect and disconnect with magnetic probe head
- Insulated 4 mm safety jack for sheathed banana plugs
- CAT III 1000 V/CAT IV 600 V, 4 A

Model number/color

73106-0 Black

73106-2 Red

73106-6 Blue

Find the right accessory for your test tools

Digital multimeter

Model Number	Pomona Recommended #1	Pomona Recommended #2	Pomona Recommended #3
179	7519A	6343	5904A
233	7519A	5900A	6172A
114/117	7519A	5900A	5673B
115	6275	6343	5543B
287	6341	5674C	6340
289	7519A	5899A	6173A
87V	5519A	5673B	4408
3000 FC	7519A	5899A	5677B
279 FC	7519A	5899A	5677B
8845A/8846A	5519A	5901B	6204A

FLUKE ®

Electrical tester

Model Number	Pomona Recommended #1	Pomona Recommended #2	Pomona Recommended #3
T5	6041B	6232A	5912B
T+/T+Pro	6041B	6232A	5912B
T6	6041B	6232A	5912B

FLUKE ®

Process tools

Model Number	Pomona Recommended #1	Pomona Recommended #2	Pomona Recommended #3
725/726	5912B	5900A	6173A
787/789	7519A	5900A	6173A

FLUKE ®

Digital multimeter

Model Number	Pomona Recommended #1	Pomona Recommended #2	Pomona Recommended #3
AM-510	5907A	6041B	5673B
AM-530	5519A	5900A	5673B

AMPROBE®

Clamp meter

Model Number	Pomona Recommended #1	Pomona Recommended #2	Pomona Recommended #3
902/902 FC	5907A	6041B	5900A
323/324/325	5900A	7519A	5904A
353/355	5907A	6041B	5673B
370 Series/ FC/381	5913	7519A	6173A

FLUKE ®

Insulation multimeter

Model Number	Pomona Recommended #1	Pomona Recommended #2	Pomona Recommended #3
1503/1507	5907A	6041B	5674C
1587/1587 FC	5907A	6041B	5906A

FLUKE ®

Portable oscilloscope

Model Number	Pomona Recommended #1	Pomona Recommended #2	Pomona Recommended #3
190 Series II	6146	72941	72942
120B Series	6146	72941	72942

FLUKE ®

Clamp multimeter

Model Number	Pomona Recommended #1	Pomona Recommended #2	Pomona Recommended #3
AMP-220	5907A	6041B	5673B
AMP-330	5519A	5900A	5673B
ACD-14-PRO	7519A	5900A	6173A

AMPROBE®

Pomona reference table

Model	Description		Model	Description	
4408	Test Lead Holder		6041B	Large Alligator Clip Set	
5519A	DMM Test Lead Set		6146	Large Test Companion™ Accessory Bag	
5543B	Electronic DMM Test Lead Kit		6172A	Industrial DMM Test Lead Kit	
5673B	Electrical DMM Test Lead Kit		6173A	Deluxe Industrial DMM Test Lead Kit	
5674C	Deluxe Electronic DMM Test Lead Kit		6204A	Deluxe Electronic Bench DMM Test Lead Kit	
5677B	Deluxe Multi-Use DMM Maxi-Kit		6232A	Modular Test Probe Set with 2mm Diameter Tips	
5899A	Multi-Use DMM Test Lead Kit		6275	Precision Electronic Test Lead Set with Stainless Steel Tips	
5900A	Basic Electrical DMM Test Lead Kit		6340	Electronic DMM Maxi-Kit	
5901B	Electronic Bench DMM Test Lead Kit		6341	Precision Electronic Test Lead Set with Replaceable Tips	
5904A	Deluxe Electrical DMM Test Lead Kit		6343	Basic Electronic DMM Test Lead Kit	
5906A	Modular Lantern Tip Test Probe Set		7519A	TwistGuard™ DMM Test Lead Kit	
5907A	DMM Test Leads		72941	Insulated Oscilloscope Probe Kit Set	
5912B	Maxigrabber® Test Clip Set with Jaws		72942	Insulated Oscilloscope Probe and Test Lead Kit	
5913	Insulation Piercing Test Clip Set				

Pomona offers a broad array of products

Cable assemblies

Coaxial cables are used to interconnect oscilloscopes, function generators, transmitters, antennae, test fixtures and other electronic subsystems. Coaxial cable has a conductor running through its center with a braided shield surrounding it. The conductor and the shield are separated by an insulating material and the entire cable is covered by an outer cover that insulates and protects the cable. Coaxial cable is carefully engineered to transmit electronic signals with great integrity.

Coaxial connectors, adapters and kits

Various connectors are used for interconnecting electronic systems. The choice of connector depends mainly on the maximum frequency the cable is to carry. Adapters are used to connect cables with different connectors; for example a BNC-to-N adapter might be used to connect a frequency synthesizer to an oscilloscope. In-series couplers are used to connect cables with the same connectors. Terminators are used to make sure cables end in the correct impedance, to reduce reflection of the signal.

Banana plugs and jacks, binding posts

Banana plugs are used to carry dc and low-frequency signals. Power supplies and multimeters typically use banana plugs. Standard banana plugs may only be used for less than 33 Vrms, since they have exposed metal parts. Engineers and technicians often use banana jacks on custom fixtures, early prototypes, or informal "one-off" projects. Sheathed banana plugs are rated for use with higher voltages and are used for multimeter test leads.

DMM accessories and kits

DMM accessories provide a way to get signals to the inputs of the meter. Voltage level, the need for precision, and the size of the connection point determine the best way to connect. Most DMM accessories use sheathed banana plugs, which have an insulated cover over the conductive plug and are rated for measurements above 33 Vrms. Clips give more reliable measurements than standard probes and are safer to use. Clips are a popular item since they are usually NOT included with DMM's.

Grabbers and test clips

Grabbers and test clips are used to temporarily connect wires to components on circuit boards, connector pins, or other terminals. They are often used during prototyping, testing and troubleshooting.
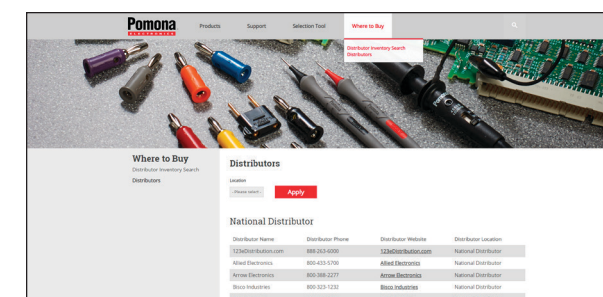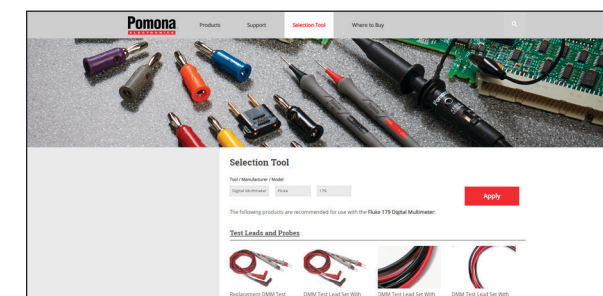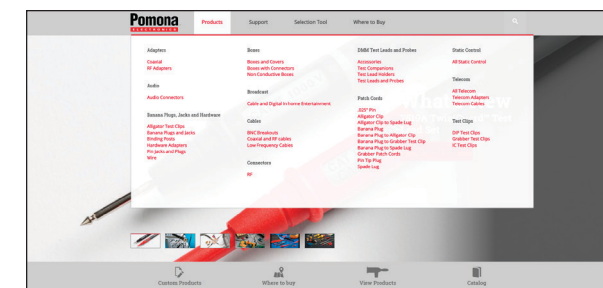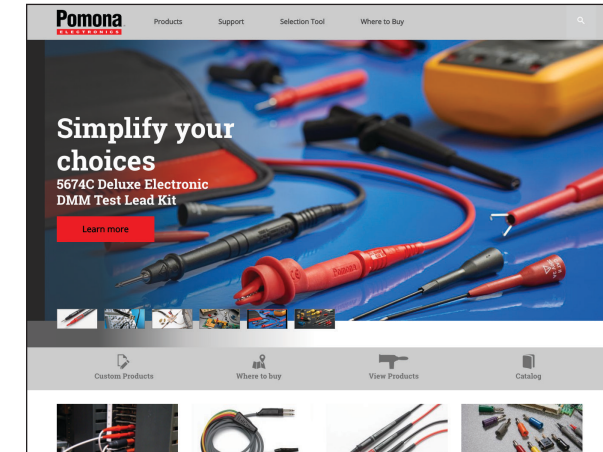
Patch cords and test leads

Patch cords are pre-made cables used to carry electronic signals. Most of the patch cords Pomona carries are used for low-frequency signals.

Boxes and enclosures

Enclosures or "project boxes" are used to house electronics, usually for custom or low volume production. Engineers and technicians who work in electronics design have to build prototype circuits well in advance of when final packaging is ready, and they use project boxes to hold the circuitry. Researchers in electronics and other sciences use project boxes to house specialized custom circuits. Test and service engineers use project boxes to build test fixtures to test or service equipment.

Many ways to find answers

You can quickly find complete product specifications and discover Pomona's newest product announcements when you visit our website:

www.pomonaelectronics.com

There are several ways for you to find the product you are looking for.

Search by keywords or model #

On the upper right column of our homepage, enter the description of the product or model number of the Pomona product in the [Search] field and hit [ENTER].

Search by product categories

From the homepage, highlight [Products] on the upper left to see a drop down menu. You will see a list of available product categories you can choose from.

If you are unable to find the product you are looking for, visit our Support page for help with technical support, what's new, application articles, custom product requests or download a digital copy of our full line catalog.

Search by selection tool

Our Selection Tool is available to help you find the right product for your specific tools, whether you're using a clamp meter, digital multimeter or oscilloscope. Search by tool type, brand and model.

Where To Buy

Our Where To Buy page lists all authorized Pomona distributors by location and name. Distributor website links and phone numbers are listed, allowing you to get in touch with the distributor of your choice.

Distributor inventory search

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Technical support techsupport@pomonatest.com

Because technical questions about products or applications can arise almost anywhere, Pomona offers technical support with a qualified resource via e-mail or visiting the Pomona website. While you are in the Technical Support section of our website, you can also refer to selector guides, view or request a catalog, or go directly to the specific product information you seek.

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