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# FASTON Terminals Insulated and Uninsulated

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## Introduction

The FASTON Terminal product line includes Ultra-Fast, Ultra-Fast Plus and Ultra-Pod fully insulated FASTON terminals, as well as Positive Lock receptacles consisting of receptacles, tabs and splices specifically designed for quick connections. FASTON products are grouped according to tab width dimensions in series "312", "250", "205", "187", "125" and "110". This product line offers speed of application, uniform reliability and low per line cost. These advantages have made FASTON products the number one choice of many leaders in the appliance and automotive industries. Other industries for FASTON products are computer and peripheral equipment,

industrial controllers, test equipment and telecommunications equipment manufacturers.

Speed of application is achieved through the use of application tools for which a complete line has been developed specifically for these terminals. See Application Tooling Section in back of catalog for general information. Specific rates and capabilities can be obtained by contacting Technical Support at the numbers listed below.

Precisely controlled crimping specifications for each FASTON terminal allow all connections to perform as specified. Low per line costs are derived from low initial product costs, high application speeds, and plug-in

assemblies of the finished termination. While it's true that we have over fifty years of proven reliability behind our product, we are not content to rest. We are constantly striving to introduce new and improved products to add to our quick connect family. Positive Lock RAST 5 Connectors, Ultra-Pod Positive Lock, C-Crimp flags and our ever expanding offering of Printed Circuit Board tabs and receptacles are examples of recent additions to the FASTON product family.

It is our commitment to innovation and continuous improvement that allows the FASTON terminal product line to remain the leader in the industry.

### Need more information?

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**NOTE:** For purposes of this Catalog, included within the definition of RoHS Compliant are products that are clearly "Out of Scope" of the RoHS Directive such as hand tools and other non-electrical accessories.

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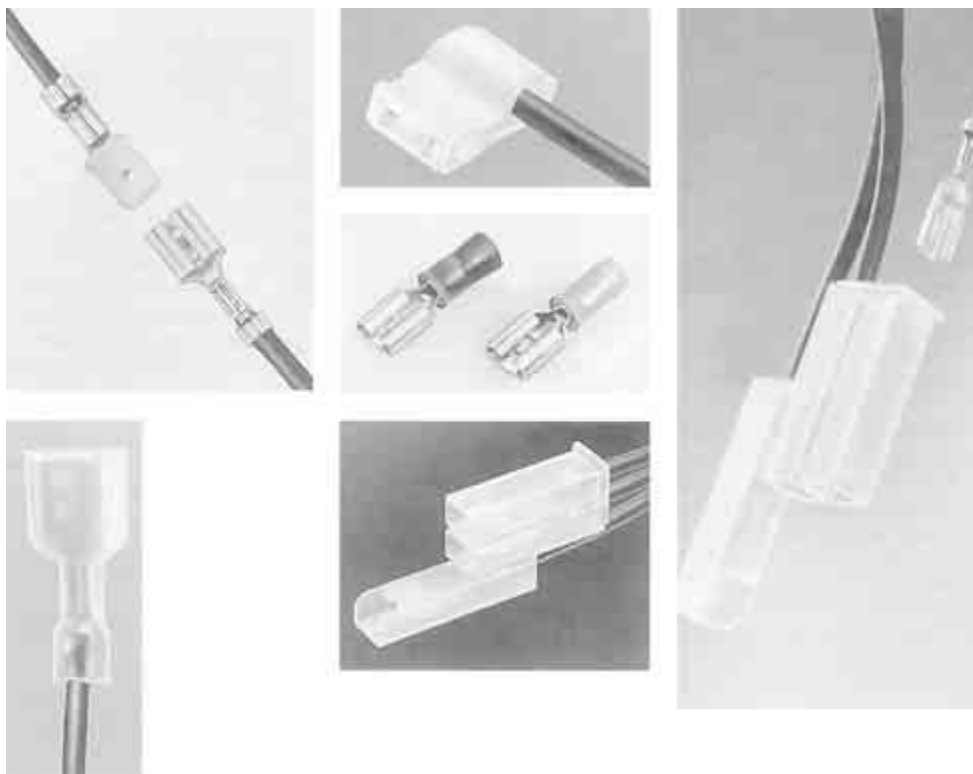
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## Introduction (Continued)



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We welcome your comments about the catalog so we can continue to improve the quality of the technical information we provide about our products.

## The Products

The Tyco Electronics family of quick connects provides the right product for most applications. All styles provide features to enhance quality and reliability of interconnections. All lines meet the applicable requirements of UL-310. The FASTON product line consists of two mating parts—the receptacle and the tab. Receptacles are available in both straight and flag configurations and come in a variety of sizes. They are designed numerically by a series number that corresponds to the width of the mating tab. There are six series of both straight-on and flag receptacles “312”, “250”, “205”, “187”, “125”, and “110”.

### Product Styles

#### Flag Receptacles



The Flag Receptacle is a reliable termination for those applications where space is a critical factor. Connection with mating tab is at right-angle to axis of conductor. Typical installations include bussing switches in back-splashes of ranges or in similar heavy duty applications.

#### Straight Receptacles



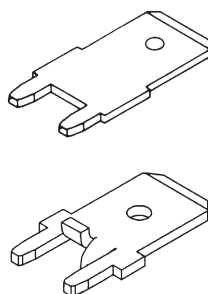
Straight receptacles are made with or without insulation support. Insulation diameters of .040-.230 are accommodated by the insulation support receptacle. Another feature of this type is a step-down insulation support barrel to compensate for insulation thickness to maintain axial alignment of the conductor strands. Over-insertion of shoulderless tabs is prevented by tapering walls at the rear of the receptacle.

#### Wire Crimp Tabs



The wire crimp tabs are designed for line splices and other special applications. They can be applied to 22-14 AWG wire with “F” crimp termination and include insulation support. The wire crimp tab is also available with AMPLIVAR connector type serrations for magnet wire applications.

#### Printed Circuit Board Tabs



These tabs are designed to be inserted into holes in PC Boards, then attached permanently during the soldering operation. They can be hand inserted or machine inserted using Tyco Electronics application equipment.

#### Board Mount Tabs



Board mount tabs are available in all the series. These tabs are mounted using rivets or screws through stud holes. They are available in single 90 degree configurations, straight and angled versions, dual versions (90, 45 degree and Straight), weld tab versions and special configurations.

#### Locking Action and Contact Area



Since corrosion and oxidation tend to affect performance by cutting down contact areas and increasing the constriction resistance of connections, maximum contact areas are incorporated in the design of FASTON receptacles and tabs. The design also includes a dimple detent and web section which not only increases contact surfaces but also locks in the tab and receptacles at proper insertion depth for firm retention.

## The Products (Continued)

### Crimp Styles

#### The "F" Crimp



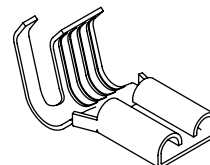
The standard crimp on all straight and certain flag type FASTON Terminals is the "F" crimp. Experience over widespread segments of the industry has proved this crimp the most effective way of providing stable electrical and mechanical performance. Applied with match-mated tooling, the "F" crimp offers the optimum combination of mechanical strength and electrical conductivity. This method of termination also provides maximum resistance to vibration and corrosion.

#### Tab-Lok Crimp for FASTON Flag Terminals



In making this crimp, a tab on the wire barrel, is inserted through a slot in the terminal itself. The crimping action is continued by flattening the tab between two lances which in turn are locked over the tab. The wire connection is locked in to offer reliable electrical and mechanical performance. This receptacle design includes a lance-tab stop at its rear to avoid over-insertion of shoulderless tabs.

#### The "C" Crimp



A new style crimp with wrap-around barrel design with the standard, reliable FASTON receptacle. The special barrel design provides a maximum contact area and when applied with the matched tooling, will provide reliable electrical and mechanical performance at a minimum terminal profile.

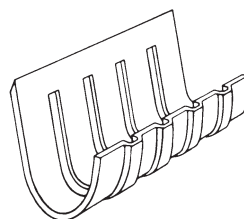
Available in the 187 series for both .020 and .032 thick tabs, brass or phosphorous bronze base materials in either plain or tin plated.

#### TETRA-CRIMP Terminal Crimp



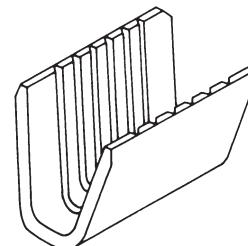
This reliable crimp is used on PIDG FASTON Receptacles. The terminals feature nylon insulation fitted over a copper support sleeve. PIDG FASTON Receptacles are of the straight variety only, and are available in strip form or tape mounted for high-speed application with automatic crimping machines, or in loose piece form for application with hand tools.

#### Corrugated Keystone Barrel Serrations



This special terminal wire barrel design provides maximum contact area between terminal and bare conductor. During the crimping process, bulk deformation forces the conductor into these serration channels creating a scrubbing action on oxide film on the wire. The termination is also resistant to vibration and shock.

#### AMPLIVAR Terminal Crimp



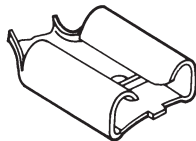
This crimp is designed for reliable, high-speed connection of magnet wire. The conductor(s) is automatically multiple-ring stripped and forced into sharp serrations with a single precision-controlled solderless crimp. This operation produces a strong, air-tight termination that is as resistant to corrosion and many other environmental effects as the insulated conductor itself.

## Receptacle Product Lines



### Premier

The receptacle configuration of the Premier line, with its resilient rolls and double slot bottom allows maximum compliancy while retaining the high normal forces necessary to provide good wiping action and highly reliable interface. The basis to the resiliency of the Premier line receptacle is in the *thermal stress relieving* each terminal receives. This extra processing step relieves the residual stresses the stamping process imparts and allows the receptacle to resist the effects of over-stressing, while retaining the normal forces which provide good cleaning action and low, stable resistance under a variety of operating conditions.



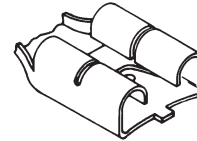
### Budget

The Budget line receptacles are constructed similar to the Premier line and are easily distinguished by the single slot. The single most important difference between the Budget line and Premier line is that the Budget line does not receive the special processing of the Premier line. In addition, in the .250 series, the Budget line receptacles are constructed of lighter .016 brass.



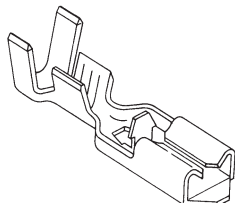
### Economy

The Economy line receptacle is separated from its counterparts by the large lead-in provided by its flared, relatively low, roll construction. This roll construction and lead-in, with tab contact coming on the mill finish of the brass instead of a profiled edge, makes for lower average insertion forces at relatively high normal forces.



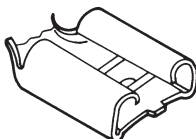
### Low Insertion Force

The Low Insertion Force (LIF) type receptacle offers lower insertion forces than the other receptacle styles thru the unique design features of a two-stage receptacle and a cantilever mounted locking dimple.



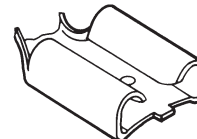
### Positive Lock

Positive Lock receptacles are designed with reduced mating forces, and a large locking dimple on a flexible latch. This locking feature acknowledges proper mating with an audible "snap" of the dimple into the mating hole. This enhances safety and reliability of the mated pair for isolated and hard to reach areas. Until the release latch is depressed manually the receptacle cannot be removed.



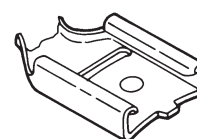
### Hermetic

The Hermetic receptacle is a Premier line receptacle which has been designed to mate with the posted header tabs in hermetic motor applications. This receptacle provides all the features and benefits of the Premier line.



### Moldable

The moldable receptacle is available in many of the same configurations shown and is produced without slots or openings in the floor of the receptacle to facilitate over-molding.



### Commercial

The commercial receptacles, with their abbreviated roll construction, conserve stock, have generally higher insertion forces and somewhat lower tolerance for general abuse.

## Test Specifications

### Operating Temperatures of Materials and Finishes

FASTON Terminals are made available in brass and phosphor bronze which can be plated with tin or silver. The line also includes a selection of nickel plated steel tabs and receptacles.

Certain products are available in either pre-tin or tin plated. Tin plate is the electro-depositing of tin on base metal over the entire surface of the terminal following the fabrication of

the terminal. Pre-tin plate is the plating of tin on base metal prior to fabrication which produces exposed base metal in the terminal edge areas after stamping.

#### Brass

##### Plain

Allowable Connection Temperature\* — 110°C.

Plain brass is used frequently, where applications have optimal environmental conditions.

##### Tin Plated

Allowable Connection Temperature — 110°C.

Tin plating of receptacle and tab improves operation at higher temperatures, and in addition helps to protect the connection against corrosion.

##### Silver Plated

Allowable Connection Temperature — 130°C.

Silver plated connections allow the highest operating temperature for brass and a higher current-carrying capacity.

\* Allowable Connection Temperature is the ambient temperature plus temperature rise of the terminal at normal operating conditions.

#### Phosphor Bronze

##### Plain

Allowable Connection Temperature — 110°C.

Phosphor bronze is used in applications where brass would normally be corroded, for example the various freezing mixtures and ammonias.

##### Tin Plated

Allowable Connection Temperature — 110°C.

Tin plating of receptacle and tab improves operation at higher temperatures, and in addition helps to protect the connection against corrosion.

##### Silver Plated

Allowable Connection Temperature — 130°C.

Silver plated connections allow the highest operating temperature for phosphor bronze and higher current-carrying capacity.

#### Steel

##### Nickel Plated

Allowable Connection Temperature — 250°C.

This combination allows a reliable connection at high temperatures, for example in stoves, cooking appliances, etc. For optimum performance, these nickel plated receptacles are used with compatible lead wires and tabs that can be welded to heating units.

#### Plastics (Insulation)

##### Material Temperature Rating —

The following list shows various plastics and their application temperatures.

|                                        |       |
|----------------------------------------|-------|
| High Temp. Polyamide (Nylon) . . . . . | 150°C |
| Polyamide, (Nylon) . . . . .           | 125°C |
| Polypropylene . . . . .                | 105°C |
| Polyester . . . . .                    | 90°C  |
| Polyethylene . . . . .                 | 75°C  |
| A.B.S. . . . .                         | 70°C  |
| PVC . . . . .                          | 60°C  |

**Note:** For information related to Glow Wire temperature ratings, contact Tyco Electronics Engineering.

### Stress Relieving of Brass or Steel Receptacles

The process of stress relieving is unique to Tyco Electronics quick connects and is most commonly used in the production of those receptacles designated as Premier line, including Ultra-Fast, Ultra-Fast Plus FASTON and PIDG receptacles. Stress is introduced into copper alloy or steel terminals during the stamping process. When metal strip

is formed into the receptacle, the material is deformed beyond its yield stress to form it into its new shape. This forming operation leaves a residual stress in the grain structure. The orientations and magnitudes of the forming stresses are complex, but can exist in the same direction as the applied load. Thus, residual stresses can reduce the force necessary to open the

receptacle during the tab insertion. Stress relieving the terminal restores the elastic spring properties and improves receptacle performance by reducing the residual stresses. After stress relieving, the receptacle resists opening when a tab is inserted, especially where difficult or awkward mating situations may cause mechanical abuse.

## Test Specifications (Continued)

### Test Specifications

The following information and related charts are taken from the qualification requirements as defined in UL-310, the Safety Standard

for Electrical Quick-Connect Terminals. Throughout this catalog, when a reference is made to a part being UL Listed, that part has been

qualified to the standards shown in these charts.

### Temperature Rise and Millivolt Drop

The temperature rise and millivolt drop characteristics are the lowest in the industry. They comply with safety requirements and exhibit extreme stability during extended time tests.

When using FASTON terminals, the allowable connection temperatures can be adjusted, based on the application, by considering actual current(s) and related temperature rise,

time at this temperature, humidity, corrosion environment, vibration, base metal, plating (if any), and other environmental considerations.

### Test Parameters for FASTON Terminals (Based on UL-310 Temperature Rise and Current Requirements)

| Contact Size |            | Wire Size (Strand Count) | Continuous Current | Intermittent Current |
|--------------|------------|--------------------------|--------------------|----------------------|
| 250 Series   | 205 Series | 10 (105)                 | 24                 | 48                   |
|              |            | 12 (65)                  | 20                 | 40                   |
|              |            | 14 (41)                  | 15                 | 30                   |
|              | 187 Series | 16 (26)                  | 10                 | 20                   |
|              |            | 18 (16)                  | 7                  | 14                   |
|              |            | 20 (10)                  | 4                  | 8                    |
|              |            | 22 (7)                   | 3                  | 6                    |
| 110 Series   |            | 16 (26)                  | 5                  | 10                   |
|              |            | 18 (16)                  | 4                  | 8                    |
|              |            | 20 (10)                  | 3                  | 6                    |
|              |            | 22 (7)                   | 2                  | 4                    |

**Note:** This information applies only to UL listed (UL) terminals. A part with a Component Recognition (CR) status deviates from the electrical or other requirements defined in the UL-310 safety standard.

This table can be used as a guide for selecting a characteristic such as Contact Size, Wire Size, or Current (either Continuous or Intermittent Operating Current) when the other two are known. This table also identifies the possible receptacle sizes available for a given wire size. The continuous current column highlights the maximum current that should be applied to a given receptacle and wire combination to meet a 30°C maximum temperature rise. Intermittent Current can be defined as a one hour cycle consisting of 45 minutes on and 15 minutes off. The temperature rise of the connector using the intermittent current on the corresponding wire size will be less than 85° C. The wire used in the testing to meet these electrical requirements is tin plated copper with stranding as indicated above in parentheses for terminals intended for internal wiring connections.

### Tensile Strength (forces for crimp pull-out)

Maximum tensile strength of the wire to terminal connection does not insure reliable electrical performance. An acceptable compromise between maximum tensile strength and electrical stability is recommended.

Normally the tensile strength is much greater than the force required to disconnect the tab from the receptacle; therefore, no difficulties or hazards are encountered.

### Forces for Crimp Pull-out Test (UL-310 Specification)

| Wire Size |       | Minimum Force |     |
|-----------|-------|---------------|-----|
| AWG       | (mm²) | pounds        | N   |
| 22        | 0.32  | 8             | 36  |
| 20        | 0.52  | 13            | 58  |
| 18        | 0.82  | 20            | 89  |
| 16        | 1.3   | 30            | 133 |
| 14        | 2.1   | 50            | 223 |
| 12        | 3.3   | 70            | 311 |
| 10        | 5.3   | 80            | 356 |

The forces shown for the crimp pull out test represent the minimum force required to separate the wire from the crimped terminal in an axis parallel to the wire exit direction from the contact. This force does not include the holding force of the insulation crimp (if applicable).

## Insertion and Withdrawal Forces for Engagement-Disengagement

### Test Specifications (Continued)

The UL-310 Safety Standard defines a broad range for the insertion and extraction value of each connector series. Many of

the FASTON product families (such as Premier line, Budget line, Low Insertion Force type, etc.) have been designed for

specific applications and to address forces within the overall range as defined in the chart.

#### Insertion and Withdrawal Forces for Engagement-Disengagement Test (UL-310 Specification)

| Tab Size                          | First Insertion, Maximum Individual | Force, pounds (N) |                  |            |                  |            |
|-----------------------------------|-------------------------------------|-------------------|------------------|------------|------------------|------------|
|                                   |                                     | Maximum           | First withdrawal |            | Sixth withdrawal |            |
|                                   |                                     |                   | Minimum          |            | Minimum          |            |
|                                   |                                     |                   | Average          | Individual | Average          | Individual |
| Test Tab and Unplated Connector   |                                     |                   |                  |            |                  |            |
| .250<br>6.30                      | 18 (80)                             | 18 (80)           | 6 (27)           | 4 (18)     | 5 (22)           | 4 (18)     |
| .205<br>5.20                      | 15 (67)                             | 20 (89)           | 5 (22)           | 3 (13)     | 3 (13)           | 2 (9)      |
| .187<br>4.80                      |                                     |                   |                  |            |                  |            |
| .125<br>3.20                      | 12 (53)                             | 14 (62)           | 3 (13)           | 2 (9)      | 2 (9)            | 1 (4)      |
| .110<br>2.80                      |                                     |                   |                  |            |                  |            |
| Test Tab and Tin Plated Connector |                                     |                   |                  |            |                  |            |
| .250<br>6.30                      | 17 (76)                             | 17 (76)           | 5 (22)           | 3 (13)     | 4 (18)           | 3 (13)     |
| .205<br>5.20                      | 15 (67)                             | 20 (89)           | 5 (22)           | 3 (13)     | 3 (13)           | 2 (9)      |
| .187<br>4.80                      |                                     |                   |                  |            |                  |            |
| .125<br>3.20                      | 12 (53)                             | 14 (62)           | 3 (13)           | 2 (9)      | 2 (9)            | 1 (4)      |
| .110<br>2.80                      |                                     |                   |                  |            |                  |            |

This chart show the forces required to engage and disengage a connector from a **plain brass test tab** (tab for mechanical testing as shown in the tab section of this catalog). The force is measured with a testing device capable of holding the reading and providing accurate alignment with slow and steady engagement and disengagement of the connector and test tab.

## Vibration Resistance

In applications where conductors are subjected to flexing at termination points, circuit failure is avoided because resistance to

vibration is enhanced through Tyco Electronics insulation support, even on conductors with oversized insulation.

## Wire Range

FASTON Receptacles are available in various wire ranges from 26-10 AWG, depending on series size.

The chart below is designed to show our recommended two-wire combinations.

### Recommended Two-Wire Combinations

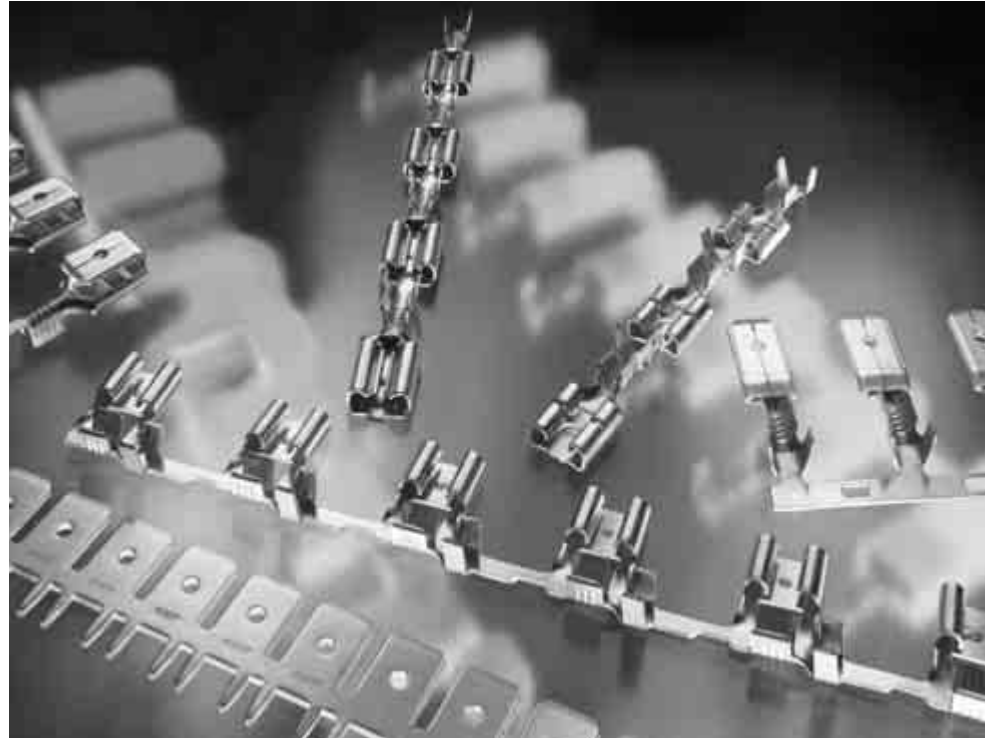
| Wire Ranges           |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                 |                    |                    |                    |                    |
|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|
| 8-10                  | 12-10              | 14-10              | 14-12              | 16-12              | 16-14              | 18-12              | 18-14<br>(2) 16    | (2) 18<br>(2) 16   | 18-14              | 18-16              | 20-14              | 20-16<br>(2) 18 | 20-16              | 20-18              | 22-16              | 22-18              |
| Two-Wire Combinations |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |                 |                    |                    |                    |                    |
| 10-22 <sup>1</sup>    | 12-22 <sup>1</sup> | 14-14              | 18-16              | 16-22              | 18-18              | 18-18              | 16-16              | 16-16              | 22-18              | 18-22 <sup>1</sup> | 20-22              | 18-18           | 20-18              | 20-20              | 18-22 <sup>1</sup> | 22-20 <sup>1</sup> |
| 10-20                 | 12-20              | 14-16              | 18-14              | 16-20              | 18-20              | 18-16              | 16-22 <sup>1</sup> | 18-18              | 20-18              | 18-20              | 20-20              | 18-20           | 20-20              | 20-22 <sup>1</sup> | 18-20              | 22-22              |
| 10-18                 | 12-18              | 14-18              | 16-16              | 16-18              | 16-22 <sup>1</sup> | 18-14              | 16-20              | 16-18 <sup>1</sup> | 18-18              | 18-18              | 20-18              | 20-20           | 22-18 <sup>1</sup> | 22-22              | 20-20              |                    |
| 10-16                 | 12-16              | 14-20              | 14-22 <sup>1</sup> | 16-16              | 16-20              | 18-20              | 16-18              |                    | 20-20              | 20-20              | 20-16              | 22-20           | 22-22              |                    | 20-22              |                    |
| 10-14                 | 14-16              | 14-22              | 14-20              | 18-18              | 18-22              | 18-18              |                    |                    | 20-16              | 18-22              | 18-22 <sup>1</sup> | 22-20           |                    |                    |                    |                    |
| 12-14                 | 14-14              | 16-16              |                    | 18-20              |                    | 16-22              | 18-20              |                    | 22-16 <sup>1</sup> |                    | 18-18              |                 |                    |                    |                    |                    |
|                       | 14-12              | 16-18              |                    | 18-14              |                    | 16-20              | 18-22              |                    |                    |                    | 18-16              |                 |                    |                    |                    |                    |
|                       |                    | 16-12              |                    | 20-14              |                    | 16-16              | 20-20              |                    |                    |                    | 16-22 <sup>1</sup> |                 |                    |                    |                    |                    |
|                       |                    | 18-12              |                    |                    |                    | 14-22 <sup>1</sup> | 20-22              |                    |                    |                    |                    |                 |                    |                    |                    |                    |
|                       |                    | 20-12              |                    | 22-14 <sup>1</sup> |                    | 14-20              |                    |                    |                    |                    |                    |                 |                    |                    |                    |                    |
|                       |                    | 22-12 <sup>1</sup> |                    |                    |                    |                    |                    |                    |                    |                    |                    |                 |                    |                    |                    |                    |

<sup>1</sup> Min/Max Wire Size Combinations

## FASTON Receptacles

### Product Facts

- Full line of Premier, Budget, LIF, moldable and hermetic uninsulated receptacles
- Straight, right-angle and receptacle and tab combinations available
- Receptacles available in .312, .250, .205, .187, .125 and .110 sizes
- Available in 8-30 AWG wire ranges
- Receptacles mate with .032 and .020 thick tabs
- Available with or without secondary wire support
- Base materials brass, phosphor bronze and steel available
- Tin, silver and nickel plated products available
- Products designed and manufactured to meet UL 310 specifications
- Products designed and manufactured to meet CSA C22.2 specifications



Tyco Electronics offers a full line of Uninsulated quick connects. We offer products for a wide variety of applications in almost every market and industry we serve. It is important to choose the correct terminal for each application. The following is a list of application specific characteristics that must be considered when determining the best terminal for each individual application.

#### Mating Tab

Size (.312, .250, .205, .187, .110, etc.)

#### Wire Type

Magnet or Stranded

#### Wire Orientation

Straight or Flag

#### Temperature/Environment

Base metal  
Plating requirements

#### Insulator required

Pre-insulated  
Housing required

#### Agency Approvals (UL/CSA)

#### Application

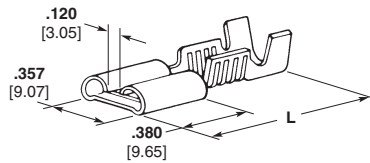
Continuous Strip or  
Loose Piece

#### Special Applications

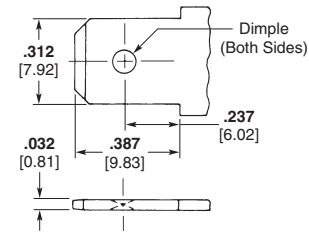
Moldable  
Hermetic  
Printed Circuit Board  
Piggyback (Straight/Flag)  
Reversible Flags  
Center Strip  
Positive Locking

## 312 Series Receptacles

### Straight Receptacles, Insulation Support



A — Premier Line

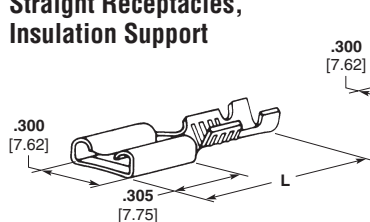

Mating 312 Series Tab Dimensions  
Dimple (Both Sides)

| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter               | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL | UL | SP | Terminal<br>Part Number |
|-------------------|-------|--------------|--------------------------------------|-------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 18-14             | A     | .032<br>0.81 | .090-.120<br>2.29-3.05               | Brass                   | .016<br>0.41       | .900<br>22.86         | —  | X  | X  | 62092-1                 |
| 16-12             | A     | .032<br>0.81 | .160 or (2) .110<br>4.06 or (2) 2.79 | Brass,<br>Tin Plated    | .016<br>0.41       | .900<br>22.86         | —  | X  | X  | 61399-1                 |
|                   |       | .032<br>0.81 | .160 or (2) .110<br>4.06 or (2) 2.79 | Brass,<br>Silver Plated | .016<br>0.41       | .900<br>22.86         | —  | X  | X  | 63225-2                 |
|                   |       | .032<br>0.81 | .160 or (2) .110<br>4.06 or (2) 2.79 | Brass,<br>Tin Plated    | .016<br>0.41       | .900<br>22.86         | —  | X  | X  | 63677-1 <sup>1</sup>    |
|                   |       | .032<br>0.81 | .160 or (2) .110<br>4.06 or (2) 2.79 | Brass                   | .016<br>0.41       | .900<br>22.86         | —  | X  | X  | 63677-2 <sup>1</sup>    |
|                   |       | .032<br>0.81 | .150-.200<br>3.81-5.08               | Brass,<br>Silver Plated | .018<br>0.46       | .900<br>22.86         | —  | X  | X  | 63820-1                 |

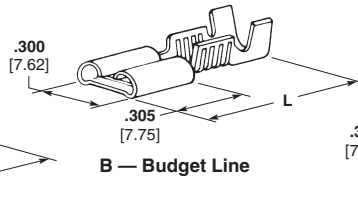
<sup>1</sup> Low Insertion Force

## 250 Series Receptacles

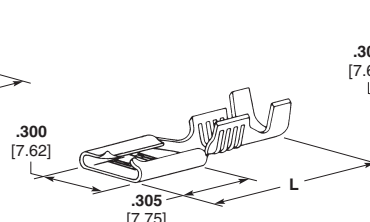
### Straight Receptacles, Insulation Support



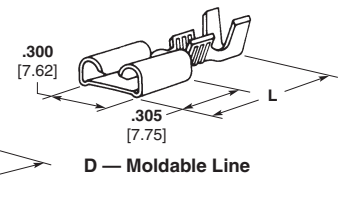
A — Premier Line



B — Budget Line



C — Economy Line



D — Moldable Line

| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish | Stock<br>Thickness | L<br>(Overall Length) | UL             | UL | SP             | Terminal<br>Part Number |
|-------------------|-------|--------------|------------------------|------------------------|--------------------|-----------------------|----------------|----|----------------|-------------------------|
| 26-22             | C     | .032<br>0.81 | .040-.060<br>1.02-1.52 | Brass                  | .016<br>0.41       | .755<br>19.18         | X <sup>1</sup> | —  | X <sup>1</sup> | 61202-1                 |
| 24-20             | A     | .032<br>0.81 | .030-.070<br>0.76-1.78 | Brass,<br>Tin Plated   | .016<br>0.41       | .755<br>19.18         | X <sup>2</sup> | —  | X <sup>2</sup> | 61368-1                 |
| 22-18             | A     | .032<br>0.81 | .060-.100<br>1.52-2.54 | Brass                  | .016<br>0.41       | .755<br>19.18         | X              | —  | X              | 42640-1                 |
|                   |       | .032<br>0.81 | .060-.100<br>1.52-2.54 | Brass,<br>Tin Plated   | .016<br>0.41       | .755<br>19.18         | X              | —  | X              | 42640-2                 |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass                  | .016<br>0.41       | .755<br>19.18         | X              | —  | X              | 41771                   |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass,<br>Tin Plated   | .016<br>0.41       | .755<br>19.18         | X              | —  | X              | 41772                   |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass                  | .016<br>0.41       | .755<br>19.18         | X              | —  | X              | 42510-1                 |
|                   | B     | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass,<br>Tin Plated   | .016<br>0.41       | .755<br>19.18         | X              | —  | X              | 42510-2                 |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass                  | .016<br>0.41       | .755<br>19.18         | X              | —  | X              | 42743-1                 |
|                   | C     | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass,<br>Tin Plated   | .016<br>0.41       | .755<br>19.18         | X              | —  | X              | 42743-2                 |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass                  | .016<br>0.41       | .755<br>19.18         | —              | —  | —              | 63127-1                 |
|                   | D     | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass                  | .016<br>0.41       | .755<br>19.18         | —              | —  | —              | 63127-1                 |

<sup>1</sup> UL listed and CSA certified for 22 AWG.

<sup>2</sup> UL listed and CSA certified for 22-20 AWG.

<sup>3</sup> Mates with a .020 [0.51] thick tab.

<sup>4</sup> 9,600 CMA max.

<sup>5</sup> UL/CSA - 10 AWG only.

<sup>6</sup> Stress relieved.

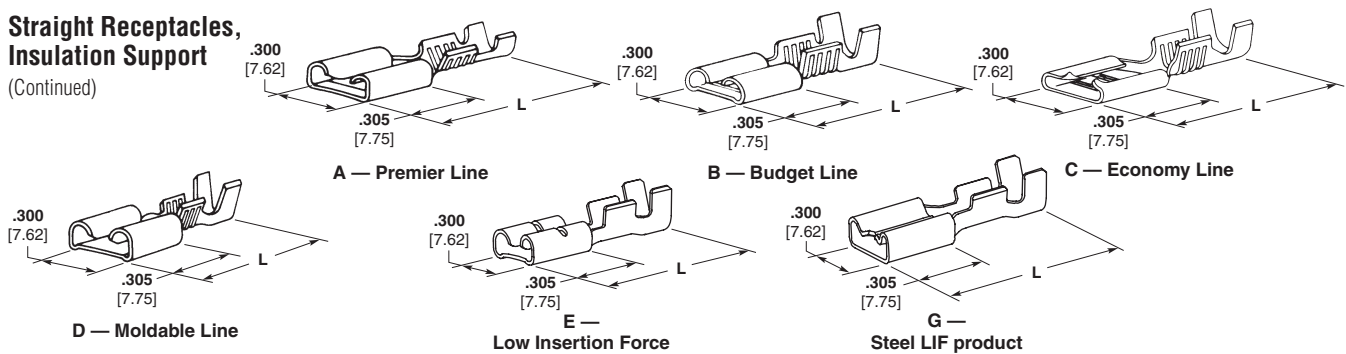
<sup>7</sup> Recommended for external use only.

<sup>8</sup> Recommended for internal or external use.

**Note:** All part numbers are RoHS compliant.

## 250 Series Receptacles (Continued)

### Straight Receptacles, Insulation Support (Continued)



| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL | CSA | Terminal<br>Part Number |
|-------------------|-------|--------------|------------------------|-------------------------|--------------------|-----------------------|----|-----|-------------------------|
| 22-18             | E     | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass                   | .016<br>0.41       | .755<br>19.18         | X  | —   | 63693-1 <sup>6</sup>    |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass                   | .016<br>0.41       | .755<br>19.18         | X  | —   | 63609-1                 |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass,<br>Tin Plated    | .016<br>0.41       | .755<br>19.18         | X  | —   | 63609-2                 |
|                   |       | .020<br>0.51 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated    | .018<br>0.46       | .755<br>19.18         | X  | —   | 63655-1 <sup>3</sup>    |
|                   |       | .032<br>0.81 | .060-.110<br>1.52-2.79 | Brass,<br>Tin Plated    | .018<br>0.46       | .755<br>19.18         | X  | —   | 61375-1                 |
|                   | A     | .032<br>0.81 | .060-.110<br>1.52-2.79 | Steel,<br>Nickel Plated | .016<br>0.41       | .755<br>19.18         | —  | —   | 63688-1                 |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Steel,<br>Nickel Plated | .016<br>0.41       | .755<br>19.18         | —  | X   | 42219-1                 |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass                   | .018<br>0.46       | .755<br>19.18         | X  | —   | 41202                   |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated    | .018<br>0.46       | .755<br>19.18         | X  | —   | 41274                   |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass                   | .016<br>0.41       | .750<br>19.05         | X  | —   | 42400-1                 |
| 18-14             | B     | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated    | .016<br>0.41       | .750<br>19.05         | X  | —   | 42400-2                 |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Silver Plated | .016<br>0.41       | .755<br>19.18         | X  | —   | 61107-1 <sup>6</sup>    |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass                   | .016<br>0.41       | .755<br>19.18         | X  | —   | 42660-1                 |
|                   | C     | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated    | .016<br>0.41       | .755<br>19.18         | X  | —   | 42660-2                 |
|                   |       | .032<br>0.81 | .150-.210<br>3.81-5.33 | Brass                   | .016<br>0.41       | .780<br>19.81         | X  | —   | 42692-1                 |
|                   |       | .032<br>0.81 | .150-.210<br>3.81-5.33 | Brass,<br>Tin Plated    | .016<br>0.41       | .780<br>19.81         | X  | —   | 42692-2                 |
|                   | D     | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass                   | .016<br>0.41       | .750<br>19.05         | X  | —   | 60650-1                 |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated    | .016<br>0.41       | .750<br>19.05         | X  | —   | 60650-2                 |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated    | .018<br>0.46       | .750<br>19.05         | X  | —   | 63500-1 <sup>6</sup>    |
|                   | E     | .020<br>0.51 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated    | .018<br>0.46       | .775<br>19.69         | X  | —   | 63993-1 <sup>3,6</sup>  |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass                   | .018<br>0.46       | .755<br>19.18         | X  | —   | 63537-1 <sup>6</sup>    |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated    | .018<br>0.46       | .755<br>19.18         | X  | —   | 63537-2 <sup>6</sup>    |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Steel,<br>Nickel Plated | .016<br>0.41       | .755<br>19.18         | —  | X   | 63674-1 <sup>6</sup>    |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass                   | .016<br>0.41       | .755<br>19.18         | X  | —   | 63306-1                 |
|                   | G     | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated    | .016<br>0.41       | .755<br>19.18         | X  | —   | 63306-2                 |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Steel,<br>Nickel Plated | .016<br>0.41       | .755<br>19.18         | —  | X   | 1742198-1               |

<sup>1</sup> UL listed and CSA certified for 22 AWG.

<sup>2</sup> UL listed and CSA certified for 22-20 AWG.

<sup>3</sup> Mates with a .020 [0.51] thick tab.

<sup>4</sup> 9,600 CMA max.

<sup>5</sup> UL/CSA - 10 AWG only.

<sup>6</sup> Stress relieved.

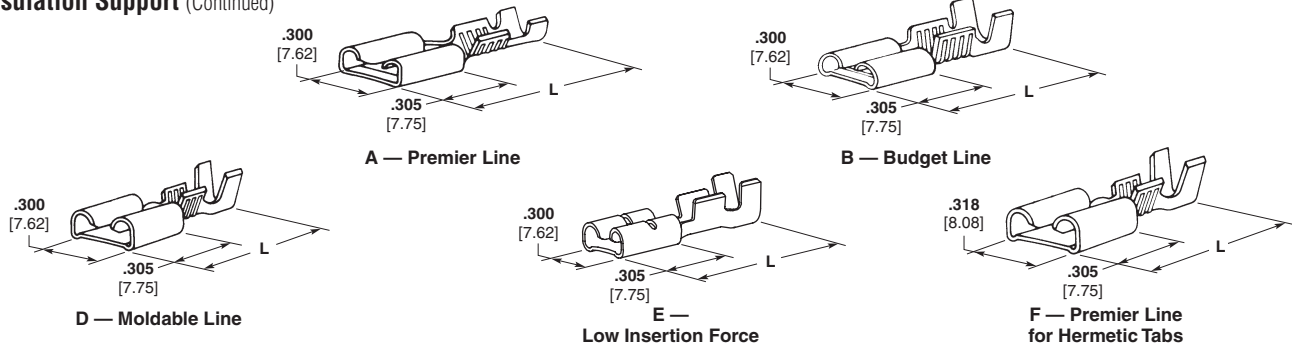
<sup>7</sup> Recommended for external use only.

<sup>8</sup> Recommended for internal or external use.

**Note:** All part numbers are RoHS compliant.

## 250 Series Receptacles (Continued)

### Straight Receptacles, Insulation Support (Continued)



| Wire Range<br>AWG | Style | Tab Fit      | Insulation Diameter                             | Material and Finish     | Stock Thickness | L<br>(Overall Length) | UL | CSA | SP | Terminal Part Number   |
|-------------------|-------|--------------|-------------------------------------------------|-------------------------|-----------------|-----------------------|----|-----|----|------------------------|
| 18-14             | F     | .032<br>0.81 | .120-.170<br>3.05-4.32                          | Brass                   | .018<br>0.46    | .750<br>19.05         | X  | —   | X  | 62500-1 <sup>7</sup>   |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32                          | Brass,<br>Tin Plated    | .018<br>0.46    | .750<br>19.05         | X  | —   | X  | 62500-2 <sup>7</sup>   |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32                          | Phos Brz,<br>Tin Plated | .018<br>0.46    | .750<br>19.05         | X  | —   | X  | 41774 <sup>8</sup>     |
| 16-12<br>(2) 16   | B     | .032<br>0.81 | .160-.210<br>4.06-5.33<br>(2) .130<br>3.30      | Brass                   | .016<br>0.41    | .750<br>19.05         | X  | —   | X  | 63896-1                |
| 16-12             | A     | .032<br>0.81 | .210-.265<br>5.33-6.73                          | Steel,<br>Nickel Plated | .018<br>0.46    | .830<br>21.08         | —  | X   | X  | 42579-1                |
| 16-12<br>(2) 18   | A     | .032<br>0.81 | .210-.265<br>5.33-6.73<br>(2) .120<br>3.05 Max. | Brass                   | .018<br>0.46    | .820<br>20.93         | X  | —   | X  | 41727                  |
|                   |       |              |                                                 | Brass,<br>Tin Plated    | .018<br>0.46    | .820<br>20.93         | X  | —   | X  | 41728                  |
|                   | E     | .032<br>0.81 | .210-.265<br>5.33-6.73<br>(2) .120<br>3.05 Max. | Brass                   | .018<br>0.46    | .755<br>19.18         | X  | —   | X  | 63757-1                |
|                   |       |              |                                                 | Steel,<br>Nickel Plated | .018<br>0.46    | .755<br>19.18         | —  | X   | X  | 63757-2                |
| 14-10             | A     | .032<br>0.81 | .150-.200<br>3.81-5.08                          | Brass                   | .018<br>0.46    | .770<br>19.56         | X  | —   | X  | 41449 <sup>4</sup>     |
|                   |       |              |                                                 | Brass,<br>Tin Plated    | .018<br>0.46    | .770<br>19.56         | X  | —   | X  | 41450 <sup>4</sup>     |
|                   | B     | .032<br>0.81 | .150-.200<br>3.81-5.08                          | Brass,<br>Silver Plated | .018<br>0.46    | .750<br>19.05         | X  | —   | X  | 61095-1 <sup>4</sup>   |
|                   |       |              |                                                 | Brass,<br>Silver Plated | .018<br>0.46    | .755<br>19.18         | X  | —   | X  | 63435-1 <sup>4,6</sup> |
|                   | E     | .032<br>0.81 | .150-.200<br>3.81-5.08                          | Brass                   | .018<br>0.46    | .775<br>19.69         | X  | —   | X  | 63365-1 <sup>4</sup>   |
|                   |       |              |                                                 | Brass,<br>Tin Plated    | .018<br>0.46    | .775<br>19.69         | X  | —   | X  | 63365-2 <sup>4</sup>   |
|                   | F     | .032<br>0.81 | .150-.200<br>3.81-5.08                          | Brass,<br>Tin Plated    | .018<br>0.46    | .770<br>19.56         | X  | —   | X  | 42437-2 <sup>4,7</sup> |
|                   |       |              |                                                 | Phos Brz,<br>Tin Plated | .018<br>0.46    | .770<br>19.56         | X  | —   | X  | 42437-5 <sup>4,8</sup> |
| 14-10<br>(2) 14   | A     | .032<br>0.81 | .225-.275<br>5.72-6.99<br>(2) .140<br>3.56      | Brass,<br>Tin Plated    | .018<br>0.46    | .775<br>19.69         | X  | —   | X  | 60635-1 <sup>4</sup>   |
|                   |       |              |                                                 | Brass,<br>Silver Plated | .018<br>0.46    | .775<br>19.69         | X  | —   | X  | 60635-2 <sup>4</sup>   |
|                   |       |              |                                                 | Brass                   | .018<br>0.46    | .775<br>19.69         | X  | —   | X  | 60635-3 <sup>4</sup>   |
|                   | D     | .032<br>0.81 | .225-.275<br>5.72-6.99<br>(2) .140<br>3.56      | Brass,<br>Tin Plated    | .018<br>0.46    | .750<br>19.05         | —  | —   | —  | 63419-1 <sup>4,6</sup> |
|                   | E     | .032<br>0.81 | .225-.275<br>5.72-6.99<br>(2) .140<br>3.56      | Brass,<br>Tin Plated    | .018<br>0.46    | .755<br>19.18         | X  | —   | X  | 63539-1 <sup>4,6</sup> |
|                   |       |              |                                                 | Brass,<br>Tin Plated    | .018<br>0.46    | .755<br>19.18         | X  | —   | X  | 63539-1 <sup>4,6</sup> |

<sup>1</sup> UL listed and CSA certified for 22 AWG.

<sup>2</sup> UL listed and CSA certified for 22-20 AWG.

<sup>3</sup> Mates with a .020 [0.51] thick tab.

<sup>4</sup> 9,600 CMA max.

<sup>5</sup> UL/CSA - 10 AWG only.

<sup>6</sup> Stress relieved.

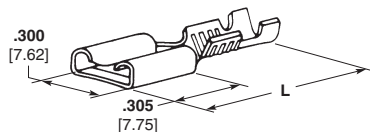
<sup>7</sup> Recommended for external use only.

<sup>8</sup> Recommended for internal or external use.

**Note:** All part numbers are RoHS compliant.

## 250 Series Receptacles (Continued)

### Straight Receptacles, Insulation Support (Continued)



A — Premier Line

| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter                        | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL | UL | UL | Terminal<br>Part Number |
|-------------------|-------|--------------|-----------------------------------------------|-------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 12-10             | A     | .032<br>0.81 | .150-.220<br>3.81-5.59                        | Brass,<br>Tin Plated    | .018<br>0.46       | .775<br>19.69         | X  | —  | X  | 62428-2                 |
|                   |       | .032<br>0.81 | .150-.220<br>3.81-5.59                        | Phos Brz,<br>Tin Plated | .018<br>0.46       | .775<br>19.69         | X  | —  | X  | 62428-3                 |
| 10-8              | A     | .032<br>0.81 | .230-.280<br>5.84-7.11 or<br>(2) .160<br>4.06 | Brass,<br>Tin Plated    | .018<br>0.46       | .775<br>19.69         | X  | —  | X  | 62998-2 <sup>5</sup>    |

<sup>1</sup> UL listed and CSA certified for 22 AWG.

<sup>2</sup> UL listed and CSA certified for 22-20 AWG.

<sup>3</sup> Mates with a .020 [0.51] thick tab.

<sup>4</sup> 9,600 CMA max.

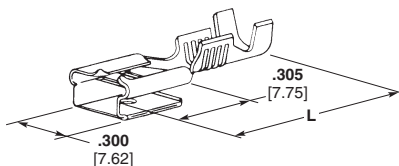
<sup>5</sup> UL/CSA - 10 AWG only.

<sup>6</sup> Stress relieved.

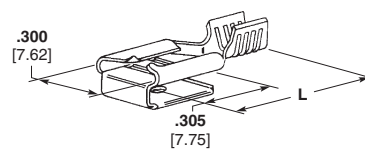
<sup>7</sup> Recommended for external use only.

<sup>8</sup> Recommended for internal or external use.

### Receptacle and Tab Combinations



A — Economy Line


B — Economy Line  
Non-Insulation Support

| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish | Stock<br>Thickness     | L<br>(Overall Length) | UL | UL | UL | Terminal<br>Part Number  |
|-------------------|-------|--------------|------------------------|------------------------|------------------------|-----------------------|----|----|----|--------------------------|
| 22-18             | A     | .032<br>0.81 | .060-.100<br>1.52-2.79 | Brass                  | .015<br>0.38           | .770<br>19.56         | X  | —  | X  | 61988-1                  |
|                   |       | .032<br>0.81 | .060-.100<br>1.52-2.79 | Brass,<br>Tin Plated   | .015<br>0.38           | .770<br>19.56         | X  | —  | X  | 61988-2                  |
|                   |       | .032<br>0.81 | .060-.100<br>1.52-2.79 | Brass,<br>Tin Plated   | .015<br>0.38           | .770<br>19.56         | X  | —  | X  | 61988-3 <sup>2</sup>     |
| 18-14             | A     | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass                  | .015<br>0.38           | .770<br>19.56         | X  | —  | X  | 61944-1                  |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated   | .015<br>0.38           | .770<br>19.56         | X  | —  | X  | 61944-2                  |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass                  | .032-.016<br>0.81-0.41 | .770<br>19.56         | X  | —  | X  | 62109-1 <sup>1</sup>     |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated   | .032-.016<br>0.81-0.41 | .770<br>19.56         | X  | —  | X  | 62109-2 <sup>1</sup>     |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass                  | .015<br>0.38           | .770<br>19.56         | X  | —  | X  | 62223-1 <sup>2</sup>     |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated   | .015<br>0.38           | .770<br>19.56         | X  | —  | X  | 62223-2 <sup>2</sup>     |
|                   |       | .032<br>0.81 | —                      | Pre-Tin Brass          | .015<br>0.38           | .610<br>15.49         | X  | —  | X  | 62276-1                  |
|                   |       | .032<br>0.81 | .150-.200<br>3.81-5.08 | Brass                  | .015<br>0.38           | .770<br>19.56         | X  | —  | X  | 62253-1 <sup>3</sup>     |
| 14-10             | A     | .032<br>0.81 | .150-.200<br>3.81-5.08 | Brass,<br>Tin Plated   | .015<br>0.38           | .770<br>19.56         | X  | —  | X  | 62253-2 <sup>3</sup>     |
|                   |       | .032<br>0.81 | .150-.200<br>3.81-5.08 | Brass,<br>Tin Plated   | .032-.016<br>0.81-0.41 | .770<br>19.56         | X  | —  | X  | 1217043-1 <sup>1,3</sup> |
|                   |       | .032<br>0.81 | —                      | Pre-Tin Brass          | .015<br>0.38           | .610<br>15.49         | X  | —  | X  | 62068-1 <sup>3</sup>     |

<sup>1</sup> Dual Thickness.

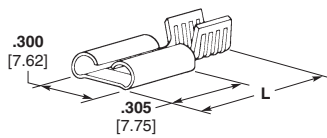
<sup>2</sup> Stress relieved.

<sup>3</sup> 9600 CMA Max.

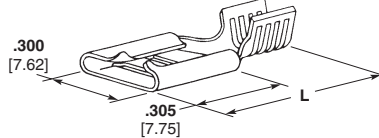
**Note:** All part numbers are RoHS compliant.

## 250 Series Receptacles (Continued)

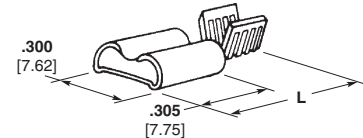
### Straight Receptacles, Non-Insulation Support



A — Premier Line



B — Economy Line



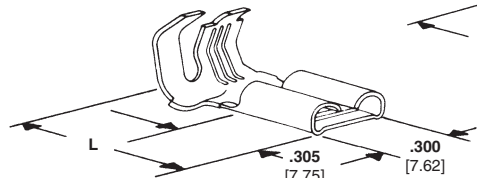
C — Moldable Line

| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL | UL | SP | Terminal<br>Part Number |
|-------------------|-------|--------------|------------------------|-------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 18-14             | A     | .032<br>0.81 | —                      | Brass,<br>Tin Plated    | .018<br>0.46       | .655<br>16.64         | X  | —  | X  | 41194                   |
|                   |       | .032<br>0.81 | —                      | Steel,<br>Nickel Plated | .018<br>0.46       | .655<br>16.64         | —  | X  | X  | 41143-1                 |
|                   | B     | .032<br>0.81 | —                      | Brass                   | .016<br>0.41       | .595<br>15.11         | X  | —  | X  | 42845-1                 |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated    | .016<br>0.41       | .595<br>15.11         | X  | —  | X  | 42845-2                 |
|                   | C     | .032<br>0.81 | —                      | Brass                   | .016<br>0.41       | .655<br>16.64         | X  | —  | X  | 60938-1                 |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated    | .016<br>0.41       | .655<br>16.64         | X  | —  | X  | 60938-2                 |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated    | .016<br>0.41       | .655<br>16.64         | —  | —  | —  | 63981-1 <sup>1</sup>    |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated    | .016<br>0.41       | .655<br>16.64         | —  | —  | —  | 63981-1 <sup>1</sup>    |

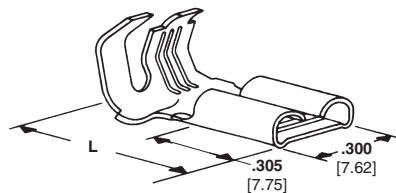
<sup>1</sup> No dimple.

## 250 Series Tab-Lok Flags

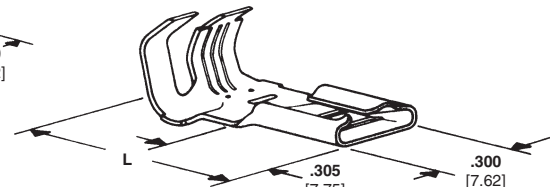
### Flag Receptacles, Insulation Support



A — Premier Line



B — Budget Line



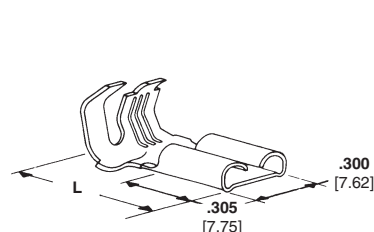
C — Economy Line

| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter  | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL | UL | SP | Terminal<br>Part Number |
|-------------------|-------|--------------|-------------------------|-------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 22-16             | C     | .032<br>0.81 | .070- .130<br>1.78-3.30 | Brass                   | .016<br>0.41       | .670<br>17.02         | X  | —  | X  | 63577-1                 |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33  | Brass                   | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 41531                   |
| 18-12             | A     | .032<br>0.81 | .110-.210<br>2.79-5.33  | Brass,<br>Tin Plated    | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 41532                   |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33  | Brass,<br>Silver Plated | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 61156-1                 |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33  | Steel,<br>Nickel Plated | .018<br>0.46       | .670<br>17.02         | —  | X  | X  | 41531-1                 |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33  | Steel,<br>Nickel Plated | .016<br>0.41       | .670<br>17.02         | —  | X  | X  | 42404-1                 |
|                   | B     | .032<br>0.81 | .110-.210<br>2.79-5.33  | Brass                   | .016<br>0.41       | .670<br>17.02         | X  | —  | X  | 42511-1                 |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33  | Brass,<br>Tin Plated    | .016<br>0.41       | .670<br>17.02         | X  | —  | X  | 42511-2                 |
|                   | C     | .032<br>0.81 | .110-.210<br>2.79-5.33  | Brass                   | .016<br>0.41       | .670<br>17.02         | X  | —  | X  | 42742-1                 |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33  | Brass,<br>Tin Plated    | .016<br>0.41       | .670<br>17.02         | X  | —  | X  | 42742-2                 |

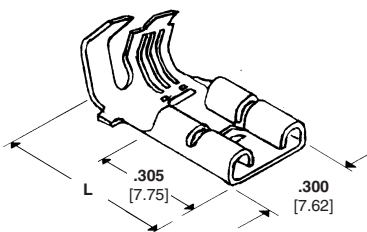
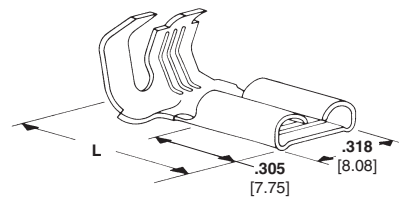
Note: All part numbers are RoHS compliant.

## 250 Series Tab-Lok Flags (Continued)

### Flag Receptacles, Insulation Support (Continued)



D — Moldable Line


E — Low Insertion Force  
(LIF)

F — Premier Line  
for Hermetic Tabs

| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish        | Stock<br>Thickness | L<br>(Overall Length) | UL | RA             | SP             | Terminal<br>Part Number |
|-------------------|-------|--------------|------------------------|-------------------------------|--------------------|-----------------------|----|----------------|----------------|-------------------------|
| 18-12             | D     | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass                         | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 60645-1 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass                         | .016<br>0.41       | .670<br>17.02         | X  | —              | X              | 60641-1                 |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass                         | .016<br>0.41       | .670<br>17.02         | X  | —              | X              | 63445-1                 |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass,<br>Tin Plated          | .016<br>0.41       | .670<br>17.02         | X  | —              | X              | 63445-2                 |
|                   | E     | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass,<br>Tin Plated          | .016<br>0.41       | .670<br>17.02         | X  | —              | X              | 63445-4 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Steel,<br>Nickel Plated       | .016<br>0.41       | .670<br>17.02         | —  | X <sup>1</sup> | X <sup>1</sup> | 63604-1 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass                         | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 63555-1 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass,<br>Tin Plated          | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 63555-2 <sup>2</sup>    |
|                   | F     | .032<br>0.81 | .110-.210<br>2.79-5.33 | Phos Bronze,<br>Tin Plated    | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 41800 <sup>4</sup>      |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass                         | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 41801 <sup>3</sup>      |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass,<br>Tin Plated          | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 41802 <sup>3</sup>      |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Phos Bronze,<br>Silver Plated | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 42041 <sup>4</sup>      |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Phos Bronze,<br>Tin Plated    | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 60274-2 <sup>4,5</sup>  |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Phos Bronze,<br>Tin Plated    | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 63651-1 <sup>4,6</sup>  |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass,<br>Tin Plated          | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 60851-1 <sup>3</sup>    |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass,<br>Silver Plated       | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 60851-2 <sup>3</sup>    |
| 12-10             | F     | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass                         | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 60851-4 <sup>3</sup>    |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Phos Bronze,<br>Silver Plated | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 42563-6 <sup>4</sup>    |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Steel,<br>Nickel Plated       | .018<br>0.46       | .670<br>17.02         | —  | —              | —              | 42563-9                 |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Phos Bronze,<br>Tin Plated    | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 42563-8 <sup>4</sup>    |
|                   |       | .032<br>0.81 | .110-.265<br>2.79-6.73 | Brass                         | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 63617-1 <sup>6</sup>    |
|                   |       | .032<br>0.81 | .110-.210<br>2.79-5.33 | Brass                         | .018<br>0.46       | .670<br>17.02         | X  | —              | X              | 63617-1 <sup>6</sup>    |

<sup>1</sup> 18 AWG only.

<sup>2</sup> Stress relieved.

<sup>3</sup> Recommended for external use only.

<sup>4</sup> For internal or external use.

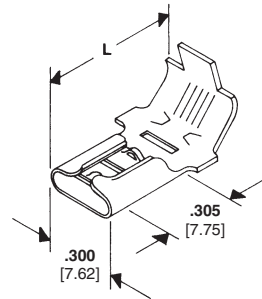
<sup>5</sup> Left handed flag.

<sup>6</sup> Non-stress relieved.

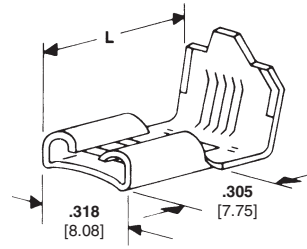
**Note:** All part numbers are RoHS compliant.

## 250 Series Tab-Lok Flags (Continued)

### Flag Receptacles, Non-Insulation Support



A — Economy Line



B — Premier Line  
for Hermetic Tabs

| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish     | Stock<br>Thickness | L<br>(Overall Length) | UL | SA | SP | Terminal<br>Part Number  |
|-------------------|-------|--------------|------------------------|----------------------------|--------------------|-----------------------|----|----|----|--------------------------|
| 18-12             | A     | .032<br>0.81 | —                      | Brass,<br>Pre-Tin Plated   | .016<br>0.41       | .600<br>15.24         | X  | —  | X  | 61177-2 <sup>3</sup>     |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Pre-Tin Plated   | .016<br>0.41       | .600<br>15.24         | X  | —  | X  | 61177-3 <sup>4</sup>     |
|                   |       | .032<br>0.81 | —                      | Brass                      | .016<br>0.41       | .600<br>15.24         | X  | —  | X  | 62091-1 <sup>5</sup>     |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Pre-Tin Plated   | .016<br>0.41       | .600<br>15.24         | X  | —  | X  | 62091-2 <sup>5</sup>     |
|                   | B     | .032<br>0.81 | —                      | Pho. Brz,<br>Silver Plated | .018<br>0.46       | .610<br>15.49         | X  | —  | X  | 62021-1 <sup>5</sup>     |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated       | .018<br>0.46       | .610<br>15.49         | X  | —  | X  | 62021-3 <sup>5</sup>     |
|                   |       | .032<br>0.81 | —                      | Pho. Brz,<br>Silver Plated | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62056-1 <sup>1,3</sup>   |
|                   |       | .032<br>0.81 | —                      | Pho. Brz,<br>Silver Plated | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62056-2 <sup>1,2,4</sup> |
|                   |       | .032<br>0.81 | —                      | Pho. Brz,<br>Tin Plated    | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62056-6 <sup>2,3</sup>   |
|                   |       | .032<br>0.81 | —                      | Pho. Brz,<br>Tin Plated    | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62056-7 <sup>1,2,4</sup> |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated       | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62056-3 <sup>2,3</sup>   |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated       | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62056-4 <sup>4</sup>     |
|                   |       | .032<br>0.81 | —                      | Brass                      | .016<br>0.41       | .670<br>17.02         | X  | —  | X  | 62011-1 <sup>5</sup>     |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Pre-Tin Plated   | .016<br>0.41       | .670<br>17.02         | X  | —  | X  | 62011-2 <sup>5</sup>     |
| 12-10             | A     | .032<br>0.81 | —                      | Pho. Brz,<br>Silver Plated | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62057-1 <sup>1,3</sup>   |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated       | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62057-3 <sup>3</sup>     |
|                   | B     | .032<br>0.81 | —                      | Brass,<br>Tin Plated       | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62057-4 <sup>4</sup>     |
|                   |       | .032<br>0.81 | —                      | Pho. Brz,<br>Silver Plated | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62057-7 <sup>4</sup>     |
|                   |       | .032<br>0.81 | —                      | Pho. Brz,<br>Silver Plated | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62022-1 <sup>5</sup>     |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated       | .018<br>0.46       | .670<br>17.02         | X  | —  | X  | 62022-2 <sup>5</sup>     |

<sup>1</sup> For internal or external use.

<sup>2</sup> Reverse reel.

<sup>3</sup> Right handed flag.

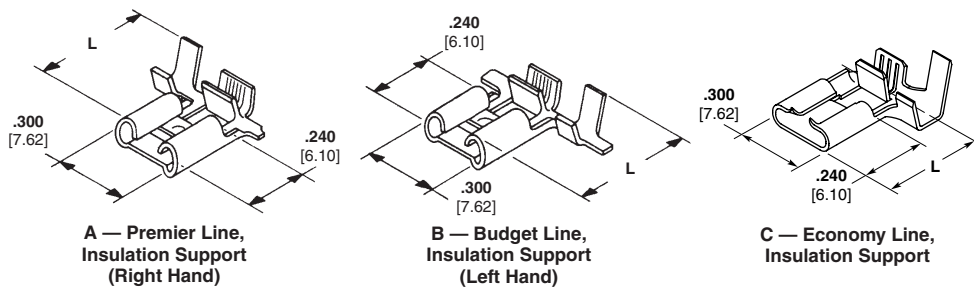
<sup>4</sup> Left handed flag.

<sup>5</sup> Right or left handed. Carrier out front for through splicing.

**Note:** All part numbers are RoHS compliant.

## 250 Series F-Crimp Flags

### Flag Receptacles



| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter  | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL | RA | SP | Terminal<br>Part Number |
|-------------------|-------|--------------|-------------------------|-------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 22-18             | A     | .032<br>0.81 | .060 -.110<br>1.52-2.79 | Brass                   | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 62813-1 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .060 -.110<br>1.52-2.79 | Brass,<br>Tin Plated    | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 62813-2 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .060 -.110<br>1.52-2.79 | Brass                   | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 62814-1 <sup>3</sup>    |
|                   |       | .032<br>0.81 | .060 -.110<br>1.52-2.79 | Brass,<br>Tin Plated    | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 62814-2 <sup>3</sup>    |
|                   | B     | .032<br>0.81 | .060 -.110<br>1.52-2.79 | Brass                   | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 62718-1 <sup>3</sup>    |
|                   |       | .032<br>0.81 | .060 -.110<br>1.52-2.79 | Brass,<br>Tin Plated    | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 62718-2 <sup>3</sup>    |
| 18-14 or<br>(2)18 | A     | .032<br>0.81 | .110-.200<br>2.79-5.08  | Brass                   | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63538-1 <sup>1,2</sup>  |
|                   |       | .032<br>0.81 | .110-.200<br>2.79-5.08  | Steel,<br>Nickel Plated | .016<br>0.41       | .540<br>13.72         | —  | X  | —  | 63963-1 <sup>2</sup>    |
| 18-14             | A     | .032<br>0.81 | .110-.160<br>2.79-4.06  | Brass,<br>Tin Plated    | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63901-1 <sup>1,3</sup>  |
|                   |       | .032<br>0.81 | .110-.160<br>2.79-4.06  | Brass                   | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63901-2 <sup>1,3</sup>  |
|                   |       | .032<br>0.81 | .110 -.160<br>2.79-4.06 | Brass                   | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63011-1 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .110 -.160<br>2.79-4.06 | Brass,<br>Tin Plated    | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63011-2 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .110 -.160<br>2.79-4.06 | Brass                   | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63012-1 <sup>3</sup>    |
|                   |       | .032<br>0.81 | .110 -.160<br>2.79-4.06 | Brass,<br>Tin Plated    | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63012-2 <sup>3</sup>    |
|                   |       | .032<br>0.81 | .110 -.160<br>2.79-4.06 | Brass                   | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63009-1 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .110 -.160<br>2.79-4.06 | Brass,<br>Tin Plated    | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63009-2 <sup>2</sup>    |
|                   | B     | .032<br>0.81 | .110 -.160<br>2.79-4.06 | Brass                   | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63010-1 <sup>3</sup>    |
|                   |       | .032<br>0.81 | .110 -.160<br>2.79-4.06 | Brass,<br>Tin Plated    | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63010-2 <sup>3</sup>    |
|                   |       | .032<br>0.81 | —                       | Brass                   | .016<br>0.41       | .430<br>10.92         | X  | —  | X  | 63508-1 <sup>4</sup>    |
|                   |       | .032<br>0.81 | .110 -.160<br>2.79-4.06 | Brass                   | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63096-1 <sup>2</sup>    |
|                   | C     | .032<br>0.81 | .110 -.160<br>2.79-4.06 | Brass,<br>Tin Plated    | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63096-2 <sup>2</sup>    |

<sup>1</sup> Low Insertion Force.

<sup>2</sup> Left Handed Flag.

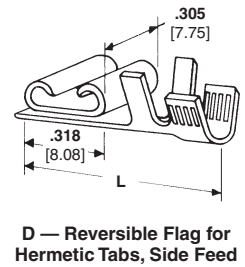
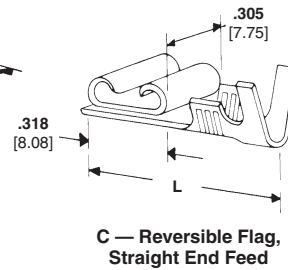
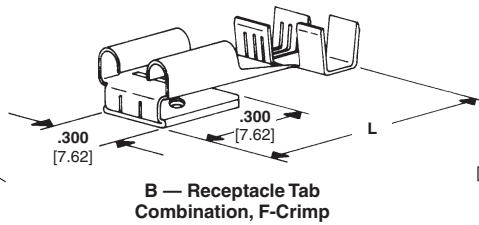
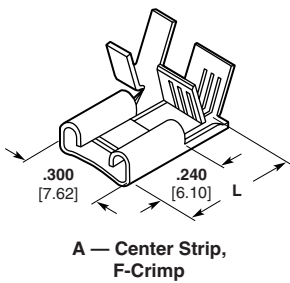
<sup>3</sup> Right Handed Flag.

<sup>4</sup> No insulation support.

**Note:** All part numbers are RoHS compliant.

## 250 Series F-Crimp Flags (Continued)

### Flag Receptacles (Continued)



| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish     | Stock<br>Thickness | L<br>(Overall Length) | UL | UL | UL | Terminal<br>Part Number |
|-------------------|-------|--------------|------------------------|----------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 20-16             | D     | .032<br>0.81 | .085-.150<br>2.16-3.81 | Phos Brz,<br>Tin Plated    | .018<br>0.46       | .640<br>16.26         | X  | —  | X  | 63137-1                 |
|                   |       | .032<br>0.81 | —                      | Brass                      | .016<br>0.41       | .430<br>10.92         | X  | —  | X  | 63315-1 <sup>3</sup>    |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated       | .016<br>0.41       | .430<br>10.92         | X  | —  | X  | 63315-2 <sup>3</sup>    |
|                   | A     | .032<br>0.81 | .110-.160<br>2.79-4.06 | Brass                      | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63314-1                 |
|                   |       | .032<br>0.81 | .110-.160<br>2.79-4.06 | Brass,<br>Tin Plated       | .016<br>0.41       | .540<br>13.72         | X  | —  | X  | 63314-2                 |
|                   |       | .032<br>0.81 | .120-.170<br>3.05-4.32 | Brass,<br>Tin Plated       | .016<br>0.41       | .630<br>16.00         | X  | —  | X  | 151321-4                |
|                   | B     | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass                      | .016<br>0.41       | .710<br>18.03         | X  | —  | X  | 62048-1                 |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass,<br>Tin Plated       | .016<br>0.41       | .710<br>18.03         | X  | —  | X  | 62048-2                 |
|                   |       | .032<br>0.81 | .170-.220<br>4.32-5.59 | Brass,<br>Tin Plated       | .016<br>0.41       | .710<br>18.03         | X  | —  | X  | 60764-2                 |
|                   | C     | .032<br>0.81 | —                      | Brass                      | .018<br>0.46       | .640<br>16.26         | —  | —  | —  | 63647-1 <sup>1,3</sup>  |
|                   |       | .032<br>0.81 | —                      | Phos Brz,<br>Tin Plated    | .018<br>0.46       | .640<br>16.26         | —  | —  | —  | 63647-2 <sup>1,3</sup>  |
|                   |       | .032<br>0.81 | —                      | Brass,<br>Tin Plated       | .018<br>0.46       | .640<br>16.26         | —  | —  | —  | 63647-3 <sup>1,3</sup>  |
| 18-14             | D     | .032<br>0.81 | .130-.170<br>3.30-4.32 | Phos Brz,<br>Tin Plated    | .018<br>0.46       | .640<br>16.26         | X  | —  | X  | 61188-1 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .130-.170<br>3.30-4.32 | Phos Brz,<br>Tin Plated    | .018<br>0.46       | .640<br>16.26         | X  | —  | X  | 61187-1 <sup>2</sup>    |
| 16-12             | D     | .032<br>0.81 | .130-.170<br>3.30-4.32 | Phos Brz,<br>Tin Plated    | .018<br>0.46       | .640<br>16.26         | X  | —  | X  | 61187-2 <sup>2</sup>    |
|                   |       | .032<br>0.81 | .130-.170<br>3.30-4.32 | Phos Brz,<br>Silver Plated | .018<br>0.46       | .640<br>16.26         | X  | —  | X  | 61187-2 <sup>2</sup>    |

<sup>1</sup> No Dimple.

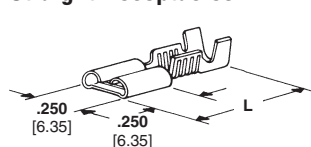
<sup>2</sup> Bends terminal 90°. For 180° bend use applicator 687616-2 with Press 694234-7.

<sup>3</sup> No insulation support.

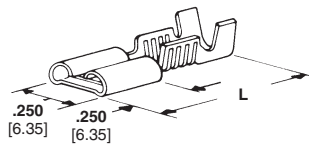
**Note:** All part numbers are RoHS compliant.

## 205 Series Receptacles

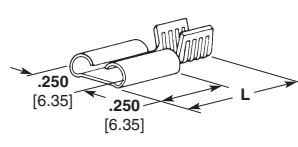
### Straight Receptacles



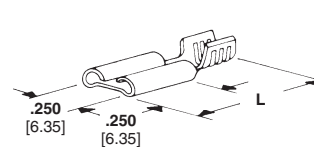
**A — Premier Line,  
Insulation Support**



**B — Economy Line,  
Insulation Support**



**C — Premier line  
Non-Insulation Support**



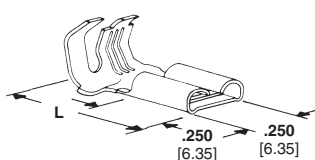
**D — Economy Line,  
Non-Insulation Support**

| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL | RA | SP | Terminal<br>Part Number |
|-------------------|-------|--------------|------------------------|-------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 26-22             | A     | .020<br>0.51 | .050-.070<br>1.27-1.78 | Brass,<br>Tin Plated    | .012<br>0.31       | .620<br>15.75         | X  | —  | X  | 60674-1 <sup>1</sup>    |
|                   |       | .020<br>0.51 | .085-.125<br>2.16-3.18 | Brass                   | .012<br>0.31       | .615<br>15.62         | X  | —  | X  | 42198-1                 |
|                   | A     | .020<br>0.51 | .085-.125<br>2.16-3.18 | Brass,<br>Tin Plated    | .012<br>0.31       | .615<br>15.62         | X  | —  | X  | 42198-2                 |
|                   |       | .032<br>0.81 | .085-.125<br>2.16-3.18 | Brass,<br>Tin Plated    | .012<br>0.31       | .615<br>15.62         | X  | —  | X  | 42299-2                 |
| 22-18             | B     | .020<br>0.51 | .085-.125<br>2.16-3.18 | Brass                   | .012<br>0.31       | .615<br>15.62         | X  | —  | X  | 42710-1                 |
|                   |       | .020<br>0.51 | .085-.125<br>2.16-3.18 | Brass,<br>Tin Plated    | .012<br>0.31       | .615<br>15.62         | X  | —  | X  | 42710-2                 |
|                   |       | .032<br>0.81 | .085-.125<br>2.16-3.18 | Brass,<br>Tin Plated    | .012<br>0.31       | .615<br>15.62         | X  | —  | X  | 60904-2                 |
|                   | C     | .020<br>0.51 | —                      | Brass,<br>Tin Plated    | .012<br>0.31       | .470<br>11.94         | X  | —  | X  | 42197-2 <sup>2</sup>    |
|                   | A     | .032<br>0.81 | .130-.180<br>3.30-4.57 | Brass,<br>Tin Plated    | .016<br>0.41       | .615<br>15.62         | X  | —  | X  | 42233-2                 |
|                   |       | .032<br>0.81 | .130-.180<br>3.30-4.57 | Phos Brz,<br>Tin Plated | .016<br>0.41       | .615<br>15.62         | X  | —  | X  | 42233-7                 |
| 18-14             | B     | .020<br>0.51 | .130-.180<br>3.30-4.57 | Brass,<br>Tin Plated    | .012<br>0.31       | .615<br>15.62         | X  | —  | X  | 42713-2                 |
|                   |       | .020<br>0.51 | .130-.180<br>3.30-4.57 | Brass,<br>Tin Plated    | .016<br>0.41       | .615<br>15.62         | X  | —  | X  | 42781-2                 |
|                   |       | .032<br>0.81 | .130-.180<br>3.30-4.57 | Phos Brz,<br>Tin Plated | .016<br>0.41       | .470<br>11.94         | X  | —  | X  | 42239-4                 |
|                   | D     | .020<br>0.51 | —                      | Brass,<br>Tin Plated    | .012<br>0.31       | .470<br>11.94         | X  | —  | X  | 42712-2 <sup>2</sup>    |

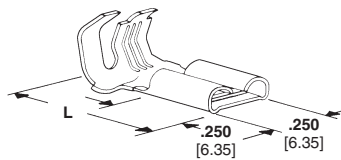
<sup>1</sup> UL listed and CSA certified for 22 AWG.

<sup>2</sup> Moldable.

### Flag Receptacles



**E — Premier Line,  
Tab-Lok Flag**



**F — Economy Line,  
Tab-Lok Flag**

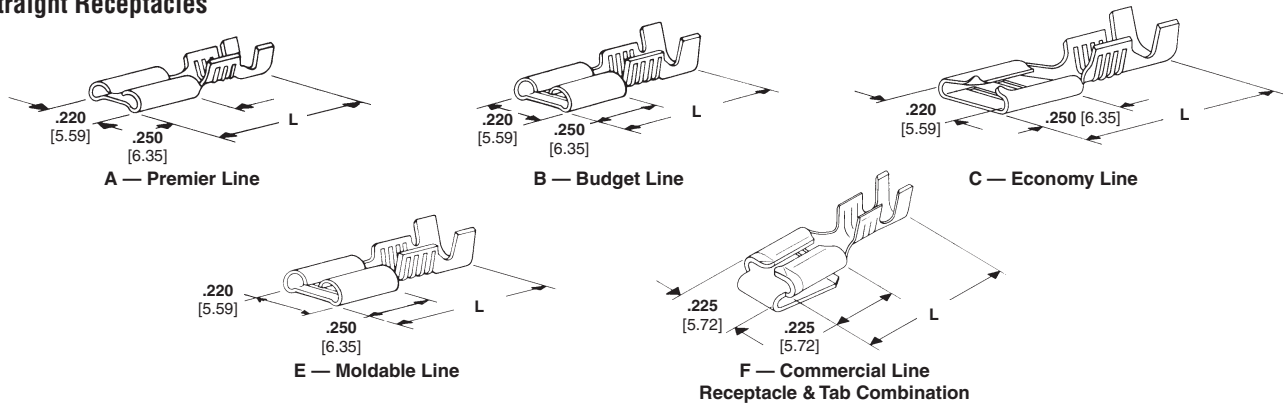
| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish | Stock<br>Thickness | L<br>(Overall Length) | UL | RA | SP | Terminal<br>Part Number |
|-------------------|-------|--------------|------------------------|------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 20-16             | E     | .020<br>0.51 | .110-.170<br>2.79-4.32 | Brass                  | .012<br>0.31       | .530<br>13.46         | X  | —  | X  | 42199-1                 |
|                   |       | .020<br>0.51 | .110-.170<br>2.79-4.32 | Brass,<br>Tin Plated   | .012<br>0.31       | .530<br>13.46         | X  | —  | X  | 42199-2                 |
|                   | E     | .020<br>0.51 | .110-.170<br>2.79-4.32 | Brass,<br>Tin Plated   | .016<br>0.41       | .530<br>13.46         | X  | —  | X  | 62354-1                 |
|                   |       | .032<br>0.81 | .110-.170<br>2.79-4.32 | Brass,<br>Tin Plated   | .016<br>0.41       | .530<br>13.46         | X  | —  | X  | 42234-2                 |
| 20-14             | F     | .032<br>0.81 | .110-.170<br>2.79-4.32 | Brass                  | .016<br>0.41       | .530<br>13.46         | X  | —  | X  | 60195-1 <sup>1</sup>    |
|                   |       | .032<br>0.81 | .110-.170<br>2.79-4.32 | Brass,<br>Tin Plated   | .016<br>0.41       | .530<br>13.46         | X  | —  | X  | 60195-2 <sup>1</sup>    |

<sup>1</sup> Moldable.

**Note:** All part numbers are RoHS compliant.

## 187 Series Receptacles

### Straight Receptacles



| Wire Range<br>AWG | Style | Tab<br>Fit             | Insulation<br>Diameter | Material<br>and Finish     | Stock<br>Thickness | L<br>(Overall Length) |  |  |  | Terminal<br>Part Number |
|-------------------|-------|------------------------|------------------------|----------------------------|--------------------|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|
| 24-20             | A     | .020<br>0.51           | .040-.070<br>1.02-1.78 | Brass,<br>Tin Plated       | .012<br>0.31       | .590<br>14.99         | X <sup>2</sup>                                                                      | —                                                                                   | X <sup>2</sup>                                                                      | 60573-1                 |
|                   |       | .020<br>0.51           | .040-.070<br>1.02-1.78 | Brass                      | .012<br>0.31       | .590<br>14.99         | X <sup>2</sup>                                                                      | —                                                                                   | X <sup>2</sup>                                                                      | 60573-2                 |
|                   |       | .020<br>0.51           | .040-.070<br>1.02-1.78 | Phos Brz,<br>Tin Plated    | .012<br>0.31       | .590<br>14.99         | X                                                                                   | —                                                                                   | X                                                                                   | 62187-2                 |
|                   |       | .020<br>0.51           | .060-.110<br>1.52-2.79 | Brass,<br>Tin Plated       | .012<br>0.31       | .585<br>14.86         | X <sup>2</sup>                                                                      | —                                                                                   | X <sup>2</sup>                                                                      | 62138-1                 |
|                   |       | .020<br>0.51           | .060-.110<br>1.52-2.79 | Brass                      | .012<br>0.31       | .585<br>14.86         | X <sup>2</sup>                                                                      | —                                                                                   | X <sup>2</sup>                                                                      | 62138-2                 |
|                   |       | .021<br>0.53           | .060-.110<br>1.52-2.79 | Brass,<br>Tin Plated       | .012<br>0.31       | .590<br>14.99         | —                                                                                   | —                                                                                   | —                                                                                   | 1217129-1               |
|                   |       | .032<br>0.81           | .040-.070<br>1.02-1.78 | Brass,<br>Tin Plated       | .012<br>0.31       | .590<br>14.99         | X <sup>2</sup>                                                                      | —                                                                                   | X <sup>2</sup>                                                                      | 62181-1                 |
| 22-18             | B     | .032<br>0.81           | .090-.150<br>2.29-3.81 | Brass,<br>Tin Plated       | .012<br>0.31       | .585<br>14.86         | X                                                                                   | —                                                                                   | X                                                                                   | 63931-1                 |
|                   | C     | .020<br>0.51           | .090-.130<br>2.29-3.30 | Brass                      | .012<br>0.31       | .590<br>14.99         | X                                                                                   | —                                                                                   | X                                                                                   | 63347-1                 |
|                   | E     | .020<br>0.51           | .090-.130<br>2.29-3.30 | Brass                      | .012<br>0.31       | .585<br>14.86         | X                                                                                   | —                                                                                   | X                                                                                   | 63905-1                 |
|                   | F     | .020<br>0.51           | .060-.100<br>1.52-2.54 | Brass,<br>Tin Plated       | .014<br>0.36       | .615<br>15.62         | X                                                                                   | —                                                                                   | X                                                                                   | 63873-1 <sup>5</sup>    |
| .020<br>0.51      |       | .090-.130<br>2.29-3.30 | Brass,<br>Tin Plated   | .014<br>0.36               | .615<br>15.62      | X                     | —                                                                                   | X                                                                                   | 1217084-1 <sup>5</sup>                                                              |                         |
| 20-16             | A     | .015<br>0.38           | —                      | Brass,<br>Tin Plated       | .012<br>0.31       | .470<br>11.94         | —                                                                                   | —                                                                                   | —                                                                                   | 42374-2 <sup>1</sup>    |
|                   |       | .015<br>0.38           | .090-.130<br>2.29-3.30 | Brass,<br>Tin Plated       | .012<br>0.31       | .590<br>14.99         | —                                                                                   | —                                                                                   | —                                                                                   | 42453-2                 |
|                   |       | .017<br>0.43           | .090-.130<br>2.29-3.30 | Phos Brz,<br>Silver Plated | .012<br>0.31       | .585<br>14.86         | —                                                                                   | —                                                                                   | —                                                                                   | 61084-1                 |
|                   |       | .020<br>0.51           | —                      | Brass,<br>Tin Plated       | .012<br>0.31       | .470<br>11.94         | X                                                                                   | —                                                                                   | X                                                                                   | 42373-2 <sup>1</sup>    |
|                   |       | .020<br>0.51           | —                      | Steel,<br>Nickel Plated    | .012<br>0.31       | .470<br>11.94         | —                                                                                   | X                                                                                   | —                                                                                   | 42373-3 <sup>1</sup>    |
|                   |       | .020<br>0.51           | .060-.110<br>1.52-2.79 | Brass                      | .012<br>0.31       | .585<br>14.86         | X                                                                                   | —                                                                                   | X                                                                                   | 62137-1                 |
|                   |       | .020<br>0.51           | .060-.110<br>1.52-2.79 | Brass,<br>Tin Plated       | .012<br>0.31       | .585<br>14.86         | X                                                                                   | —                                                                                   | X                                                                                   | 62137-2                 |
|                   |       | .020<br>0.51           | .090-.130<br>2.29-3.30 | Brass                      | .012<br>0.31       | .590<br>14.99         | X                                                                                   | —                                                                                   | X                                                                                   | 42452-1                 |
|                   |       | .020<br>0.51           | .090-.130<br>2.29-3.30 | Brass,<br>Tin Plated       | .012<br>0.31       | .590<br>14.99         | X                                                                                   | —                                                                                   | X                                                                                   | 42452-2                 |
|                   |       | .020<br>0.51           | .090-.130<br>2.29-3.30 | Phos Brz,<br>Tin Plated    | .012<br>0.31       | .590<br>14.99         | X                                                                                   | —                                                                                   | X                                                                                   | 42452-5                 |
|                   |       | .020<br>0.51           | .090-.130<br>2.29-3.30 | Steel,<br>Nickel Plated    | .012<br>0.31       | .590<br>14.99         | —                                                                                   | X                                                                                   | X                                                                                   | 60621-1                 |

<sup>1</sup> No Insulation support.

<sup>2</sup> UL listed and CSA certified for 22- 20 AWG.

<sup>3</sup> Also capable of accepting (2) 20 AWG wires.

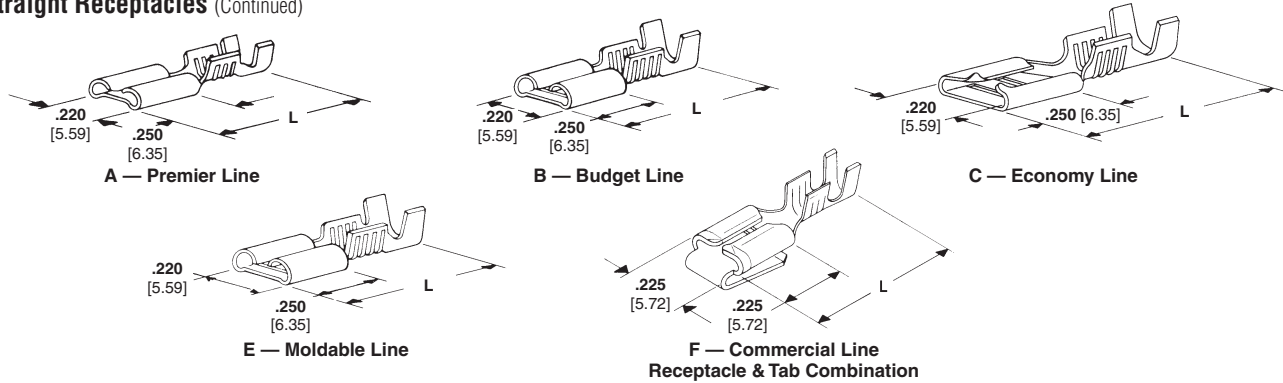
<sup>4</sup> Stress relieved.

<sup>5</sup> Tab stock thickness .020 [0.51].

**Note:** All part numbers are RoHS compliant.

## 187 Series Receptacles (Continued)

### Straight Receptacles (Continued)



| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter                | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL | SA | SP | Terminal<br>Part Number |
|-------------------|-------|--------------|---------------------------------------|-------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 20-16             | A     | .032<br>0.81 | .090-.130<br>2.29-3.30                | Steel,<br>Nickel Plated | .012<br>0.31       | .590<br>14.99         | —  | X  | X  | 63850-1                 |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30                | Brass                   | .012<br>0.31       | .585<br>14.86         | X  | —  | X  | 61758-1                 |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30                | Brass,<br>Tin Plated    | .012<br>0.31       | .585<br>14.86         | X  | —  | X  | 61758-2                 |
|                   | B     | .020<br>0.51 | .090-.130<br>2.29-3.30                | Brass                   | .012<br>0.31       | .585<br>14.86         | X  | —  | X  | 42617-1                 |
|                   |       | .020<br>0.51 | .090-.130<br>2.29-3.30                | Steel,<br>Nickel Plated | .012<br>0.31       | .585<br>14.86         | —  | X  | X  | 63959-1                 |
|                   |       | .020<br>0.51 | .090-.130<br>2.29-3.30                | Brass,<br>Tin Plated    | .012<br>0.31       | .585<br>14.86         | X  | —  | X  | 42617-2                 |
|                   |       | .032<br>0.81 | —                                     | Brass                   | .012<br>0.31       | .475<br>12.07         | X  | —  | X  | 63785-1 <sup>1</sup>    |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30                | Brass                   | .012<br>0.31       | .585<br>14.86         | X  | —  | X  | 63477-1                 |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30                | Brass,<br>Tin Plated    | .012<br>0.31       | .585<br>14.86         | X  | —  | X  | 63477-2                 |
|                   |       | .020<br>0.51 | —                                     | Brass                   | .012<br>0.31       | .475<br>12.07         | X  | —  | X  | 42799-1 <sup>1</sup>    |
|                   | C     | .020<br>0.51 | —                                     | Brass,<br>Tin Plated    | .012<br>0.31       | .475<br>12.07         | X  | —  | X  | 42799-2 <sup>1</sup>    |
|                   |       | .020<br>0.51 | .090-.130<br>2.29-3.30                | Brass                   | .012<br>0.31       | .590<br>14.99         | X  | —  | X  | 42801-1                 |
|                   |       | .020<br>0.51 | .090-.130<br>2.29-3.30                | Brass,<br>Tin Plated    | .012<br>0.31       | .590<br>14.99         | X  | —  | X  | 42801-2                 |
|                   |       | .020<br>0.51 | .090-.130<br>2.29-3.30 or (2)<br>2.29 | Brass                   | .012<br>0.31       | .590<br>14.99         | X  | —  | X  | 61892-1 <sup>3</sup>    |
|                   |       | .032<br>0.81 | —                                     | Brass,<br>Tin Plated    | .012<br>0.31       | .475<br>12.07         | X  | —  | X  | 61969-1 <sup>1</sup>    |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30                | Brass                   | .012<br>0.31       | .590<br>14.99         | X  | —  | X  | 60196-1                 |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30                | Brass,<br>Tin Plated    | .012<br>0.31       | .590<br>14.99         | X  | —  | X  | 60196-2                 |
|                   |       | .039<br>0.99 | .090-.130<br>2.29-3.30                | Brass,<br>Tin Plated    | .012<br>0.31       | .590<br>14.99         | —  | —  | —  | 63751-1                 |
|                   |       | .020<br>0.51 | .090-.130<br>2.29-3.30                | Brass                   | .012<br>0.31       | .585<br>14.86         | X  | —  | X  | 60214-1                 |
|                   |       | .020<br>0.51 | .090-.130<br>2.29-3.30                | Brass,<br>Tin Plated    | .012<br>0.31       | .585<br>14.86         | X  | —  | X  | 60214-2                 |
|                   | F     | .020<br>0.51 | .060-.110<br>1.52-2.79                | Brass,<br>Tin Plated    | .014<br>0.36       | .615<br>15.62         | X  | —  | X  | 62139-1 <sup>5</sup>    |
|                   |       | .020<br>0.51 | .090-.130<br>2.29-3.30                | Brass,<br>Tin Plated    | .014<br>0.36       | .615<br>15.62         | X  | —  | X  | 62026-1 <sup>5</sup>    |
|                   |       | .020<br>0.51 | .090-.130<br>2.29-3.30                | Brass                   | .014<br>0.36       | .615<br>15.62         | X  | —  | X  | 62026-2 <sup>5</sup>    |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30                | Brass                   | .014<br>0.36       | .615<br>15.62         | X  | —  | X  | 63646-1 <sup>5</sup>    |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30                | Brass,<br>Tin Plated    | .014<br>0.36       | .615<br>15.62         | X  | —  | X  | 63646-2 <sup>5</sup>    |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30                | Brass,<br>Tin Plated    | .014<br>0.36       | .615<br>15.62         | X  | —  | X  | 63646-2 <sup>5</sup>    |

<sup>1</sup> No Insulation support.

<sup>2</sup> UL listed and CSA certified for 22- 20 AWG.

<sup>3</sup> Also capable of accepting (2) 20 AWG wires.

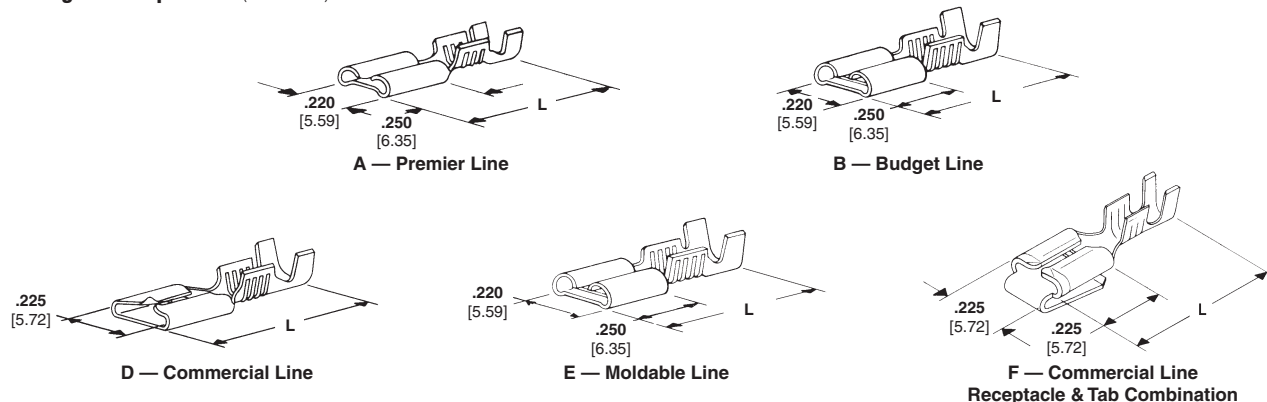
**Note:** All part numbers are RoHS compliant.

<sup>4</sup> Stress relieved.

<sup>5</sup> Tab stock thickness .020 [0.51].

## 187 Series Receptacles (Continued)

### Straight Receptacles (Continued)



| Wire Range<br>AWG  | Style | Tab<br>Fit   | Insulation<br>Diameter                             | Material<br>and Finish  | Stock<br>Thickness     | L<br>(Overall Length) |  |  |  | Terminal<br>Part Number |   |         |
|--------------------|-------|--------------|----------------------------------------------------|-------------------------|------------------------|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|---|---------|
| 18-16 or<br>(2) 18 | A     | .020<br>0.51 | .105-.210<br>2.67-5.33<br>(2) .105 Max.<br>2.67    | Brass,<br>Tin Plated    | .012<br>0.31           | .590<br>14.99         | X                                                                                   | —                                                                                   | X                                                                                   | 60487-2                 |   |         |
|                    |       |              | .105-.210<br>2.67-5.33<br>(2) .105 Max.<br>2.67    | Brass                   | .012<br>0.31           | .590<br>14.99         | X                                                                                   | —                                                                                   | X                                                                                   | 60487-1                 |   |         |
|                    |       |              | .105-.210<br>2.67-5.33<br>(2) .105 Max.<br>2.67    | Brass,<br>Tin Plated    | .012<br>0.31           | .590<br>14.99         | X                                                                                   | —                                                                                   | X                                                                                   | 61945-1                 |   |         |
|                    |       | .032<br>0.81 | .105-.210<br>2.67-5.33<br>(2) .105 Max.<br>2.67    | Steel,<br>Nickel Plated | .012<br>0.31           | .590<br>14.99         | —                                                                                   | X                                                                                   | X                                                                                   | 61945-2                 |   |         |
|                    |       |              | B                                                  | .032<br>0.81            | .105-.210<br>2.67-5.33 | Brass                 | .012<br>0.31                                                                        | .585<br>14.86                                                                       | X                                                                                   | —                       | X | 63769-1 |
|                    |       |              | E                                                  | .020<br>0.51            | .105-.210<br>2.67-5.33 | Brass                 | .012<br>0.31                                                                        | .615<br>15.62                                                                       | X                                                                                   | —                       | X | 63470-1 |
| 18-14 or<br>(2) 16 | D     | .020<br>0.51 | .180-.230<br>4.57-5.84 or<br>(2) .110 Max.<br>2.79 | Brass                   | .014<br>0.36           | .640<br>16.26         | X                                                                                   | —                                                                                   | X                                                                                   | 60742-1                 |   |         |
|                    |       |              |                                                    | Brass,<br>Tin Plated    | .014<br>0.36           | .640<br>16.26         | X                                                                                   | —                                                                                   | X                                                                                   | 60742-2                 |   |         |
|                    |       |              |                                                    | Brass,<br>Tin Plated    | .014<br>0.36           | .640<br>16.26         | X                                                                                   | —                                                                                   | X                                                                                   | 63749-2 <sup>4</sup>    |   |         |
|                    |       | .025<br>0.64 | Brass                                              | .014<br>0.36            | .640<br>16.26          | —                     | —                                                                                   | —                                                                                   | 63832-1                                                                             |                         |   |         |
|                    |       |              | Brass,<br>Tin Plated                               | .014<br>0.36            | .640<br>16.26          | —                     | —                                                                                   | —                                                                                   | 63832-2                                                                             |                         |   |         |
|                    |       |              | Brass                                              | .014<br>0.36            | .640<br>16.26          | X                     | —                                                                                   | X                                                                                   | 63596-1                                                                             |                         |   |         |
|                    |       | .032<br>0.81 | .180-.230<br>4.57-5.84 or<br>(2) .110 Max.<br>2.79 | Brass,<br>Pre-Tin       | .014<br>0.36           | .640<br>16.26         | X                                                                                   | —                                                                                   | X                                                                                   | 63596-2                 |   |         |
|                    |       |              |                                                    |                         |                        |                       |                                                                                     |                                                                                     |                                                                                     |                         |   |         |
| 18-14              | A     | .020<br>0.51 | .110-.160<br>2.79-4.06                             | Brass,<br>Tin Plated    | .012<br>0.31           | .590<br>14.99         | X                                                                                   | —                                                                                   | X                                                                                   | 1217149-1               |   |         |
|                    | D     | .020<br>0.51 | .150-.190<br>3.81-4.83                             | Brass                   | .014<br>0.36           | .640<br>16.26         | X                                                                                   | —                                                                                   | X                                                                                   | 62016-1                 |   |         |
|                    |       |              | .150-.190<br>3.81-4.83                             | Brass,<br>Tin Plated    | .014<br>0.36           | .640<br>16.26         | X                                                                                   | —                                                                                   | X                                                                                   | 62016-2                 |   |         |
|                    |       | .032<br>0.81 | .150-.190<br>3.81-4.83                             | Brass,<br>Pre-Tin       | .014<br>0.36           | .640<br>16.26         | X                                                                                   | —                                                                                   | X                                                                                   | 63697-1                 |   |         |
|                    | F     | .020<br>0.51 | .110-.160<br>2.79-4.06                             | Brass,<br>Tin Plated    | .014<br>0.36           | .615<br>15.62         | —                                                                                   | —                                                                                   | —                                                                                   | 1217151-1 <sup>5</sup>  |   |         |

<sup>1</sup> No Insulation support.

<sup>2</sup> UL listed and CSA certified for 22- 20 AWG.

<sup>3</sup> Also capable of accepting (2) 20 AWG wires.

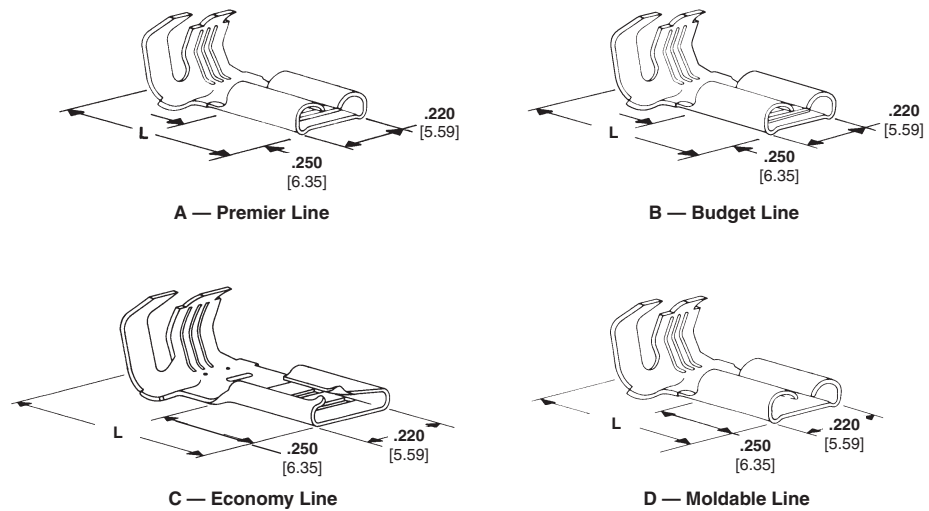
<sup>4</sup> Stress relieved.

<sup>5</sup> Tab stock thickness .020 [0.51].

**Note:** All part numbers are RoHS compliant.

## 187 Series Tab-Lok Flags

### Flag Receptacles, Insulation Support



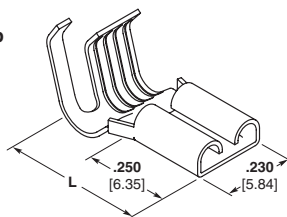
| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter                          | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL | RoHS | Terminal<br>Part Number |
|-------------------|-------|--------------|-------------------------------------------------|-------------------------|--------------------|-----------------------|----|------|-------------------------|
| 20-16             | A     | .020<br>0.51 | .110-.170<br>2.79-4.32                          | Brass                   | .012<br>0.31       | .530<br>13.46         | X  | —    | 42486-1                 |
|                   |       | .020<br>0.51 | .110-.170<br>2.79-4.32                          | Brass,<br>Tin Plated    | .012<br>0.31       | .530<br>13.46         | X  | —    | 42486-2                 |
|                   |       | .020<br>0.51 | .110-.170<br>2.79-4.32                          | Steel,<br>Nickel Plated | .012<br>0.31       | .530<br>13.46         | —  | X    | 42486-3                 |
|                   |       | .020<br>0.51 | .110-.170<br>2.79-4.32                          | Brass,<br>Silver Plated | .012<br>0.31       | .530<br>13.46         | X  | —    | 42486-4                 |
|                   |       | .032<br>0.81 | .110-.170<br>2.79-4.32                          | Brass,<br>Tin Plated    | .012<br>0.31       | .530<br>13.46         | X  | —    | 62591-1                 |
|                   |       | .032<br>0.81 | .110-.170<br>2.79-4.32                          | Steel,<br>Nickel Plated | .012<br>0.31       | .530<br>13.46         | —  | X    | 63696-1                 |
|                   | B     | .020<br>0.51 | .110-.170<br>2.79-4.32                          | Brass                   | .012<br>0.31       | .530<br>13.46         | X  | —    | 42618-1                 |
|                   |       | .020<br>0.51 | .110-.170<br>2.79-4.32                          | Brass,<br>Tin Plated    | .012<br>0.31       | .530<br>13.46         | X  | —    | 42618-2                 |
|                   |       | .020<br>0.51 | .170-.225<br>4.32-5.72                          | Brass                   | .012<br>0.31       | .575<br>14.61         | X  | —    | 62817-1                 |
|                   |       | .032<br>0.81 | .110-.170<br>2.79-4.32                          | Brass                   | .012<br>0.31       | .530<br>13.46         | X  | —    | 63748-1                 |
|                   | C     | .020<br>0.51 | .110-.170<br>2.79-4.32                          | Brass                   | .012<br>0.31       | .530<br>13.46         | X  | —    | 42800-1                 |
|                   |       | .020<br>0.51 | .110-.170<br>2.79-4.32                          | Brass,<br>Tin Plated    | .012<br>0.31       | .530<br>13.46         | X  | —    | 42800-2                 |
|                   |       | .032<br>0.81 | .110-.170<br>2.79-4.32                          | Brass                   | .012<br>0.31       | .530<br>13.46         | X  | —    | 60529-1                 |
|                   |       | .032<br>0.81 | .110-.170<br>2.79-4.32                          | Brass,<br>Tin Plated    | .012<br>0.31       | .530<br>13.46         | X  | —    | 60529-2                 |
|                   | D     | .020<br>0.51 | .110-.170<br>2.79-4.32                          | Brass                   | .012<br>0.31       | .530<br>13.46         | X  | —    | 61029-1                 |
|                   |       | .020<br>0.51 | .110-.170<br>2.79-4.32                          | Brass,<br>Tin Plated    | .012<br>0.31       | .530<br>13.46         | X  | —    | 61029-2                 |
| 18-14<br>(2)18    | B     | .032<br>0.81 | .110-.190<br>2.79-4.83<br>(2) .105 Max.<br>2.67 | Brass,<br>Tin Plated    | .014<br>0.36       | .530<br>14.36         | X  | —    | 1217027-1               |

**Note:** All part numbers are RoHS compliant.

## 187 Series C-Crimp Flag Receptacles

### C-Crimp Line

A — 187 Series C-Crimp Flag Receptacles

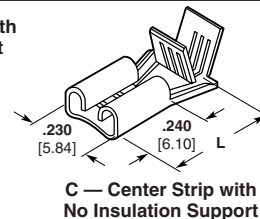
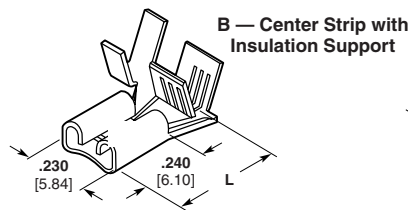
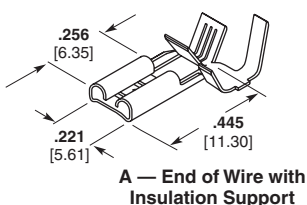


| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish      | Stock<br>Thickness | L<br>(Overall Length) | UL             | UL | UL             | Terminal<br>Part Number |
|-------------------|-------|--------------|------------------------|-----------------------------|--------------------|-----------------------|----------------|----|----------------|-------------------------|
| 20-16             | A     | .020<br>0.51 | .090-.130<br>2.29-3.30 | Brass                       | .014<br>0.36       | .522<br>13.26         | X              | —  | X              | 1217009-1               |
|                   |       | .020<br>0.51 | .090-.130<br>2.29-3.30 | Brass,<br>Tin Plated        | .014<br>0.36       | .522<br>13.26         | X              | —  | X              | 1217009-2               |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass                       | .014<br>0.36       | .522<br>13.26         | X              | —  | X              | 1217010-1               |
|                   |       | .032<br>0.81 | .090-.130<br>2.29-3.30 | Brass,<br>Tin Plated        | .014<br>0.36       | .522<br>13.26         | X              | —  | X              | 1217010-2               |
| 18-14             | A     | .032<br>0.81 | .100-.155<br>2.54-3.94 | Brass                       | .016<br>0.41       | .535<br>13.59         | X <sup>1</sup> | —  | X <sup>1</sup> | 1217244-1               |
|                   |       | .032<br>0.81 | .100-.155<br>2.54-3.94 | Brass,<br>Tin Plated        | .016<br>0.41       | .535<br>13.59         | X              | —  | X              | 1217244-2               |
|                   |       | .032<br>0.81 | .100-.155<br>2.54-3.94 | Phos. Bronze                | .016<br>0.41       | .535<br>13.59         | X <sup>1</sup> | —  | X <sup>1</sup> | 1217527-1               |
|                   |       | .032<br>0.81 | .100-.155<br>2.54-3.94 | Phos. Bronze,<br>Tin Plated | .016<br>0.41       | .535<br>13.59         | X              | —  | X              | 1217527-2               |

<sup>1</sup> 16 & 18 AWG only.

## 187 Series F-Crimp Flags

### F-Crimp Line



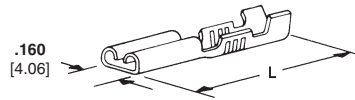
| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter                         | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL             | UL             | UL             | Terminal<br>Part Number |
|-------------------|-------|--------------|------------------------------------------------|-------------------------|--------------------|-----------------------|----------------|----------------|----------------|-------------------------|
| 22-18             | A     | .020<br>0.51 | .060-.110<br>1.52-2.79                         | Brass                   | .012<br>0.31       | .445<br>11.30         | X              | —              | X              | 1742086-1               |
|                   |       | .020<br>0.51 | .060-.110<br>1.52-2.79                         | Brass,<br>Tin Plated    | .012<br>0.31       | .445<br>11.30         | X              | —              | X              | 1742086-2               |
|                   |       | .032<br>0.81 | .060-.110<br>1.52-2.79                         | Brass                   | .012<br>0.31       | .445<br>11.30         | X              | —              | X              | 1742087-1               |
|                   |       | .032<br>0.81 | .060-.110<br>1.52-2.79                         | Brass,<br>Tin Plated    | .012<br>0.31       | .445<br>11.30         | X              | —              | X              | 1742087-2               |
| 20-16             | B     | .020<br>0.51 | .090-.130<br>2.29-3.30                         | Brass                   | .012<br>0.31       | .596<br>15.14         | —              | —              | —              | 626412-1                |
| 18-14             | B     | .020<br>0.51 | .060-.150<br>1.52-3.81                         | Brass                   | .016<br>0.41       | .430<br>10.92         | X              | —              | X              | 63512-1                 |
|                   |       | .032<br>0.81 | .060-.150<br>1.52-3.81                         | Brass                   | .016<br>0.41       | .430<br>10.92         | X              | —              | X              | 63316-1                 |
|                   |       | .032<br>0.81 | .060-.150<br>1.52-3.81                         | Brass,<br>Tin Plated    | .016<br>0.41       | .430<br>10.92         | X              | —              | X              | 63316-2                 |
|                   |       | .032<br>0.81 | .060-.150<br>1.52-3.81                         | Steel,<br>Nickel Plated | .016<br>0.41       | .430<br>10.92         | —              | X              | X              | 63316-3                 |
| 18-14 or (2) 18   | C     | .032<br>0.81 | —                                              | Brass                   | .016<br>0.41       | .430<br>10.92         | X              | —              | X              | 63317-1                 |
|                   |       | .020<br>0.51 | .110-.150 or 2-.110<br>2.79-3.81 or 2-2.79 max | Brass                   | .012<br>0.31       | .445<br>11.30         | X <sup>1</sup> | —              | X <sup>1</sup> | 1742088-1               |
|                   |       | .020<br>0.51 | .110-.150 or 2-.110<br>2.79-3.81 or 2-2.79 max | Brass,<br>Tin Plated    | .012<br>0.31       | .445<br>11.30         | X <sup>1</sup> | —              | X <sup>1</sup> | 1742088-2               |
|                   |       | .032<br>0.81 | .110-.150 or 2-.110<br>2.79-3.81 or 2-2.79 max | Brass                   | .012<br>0.31       | .445<br>11.30         | X <sup>1</sup> | —              | X <sup>1</sup> | 1742089-1               |
| 18 or (2) 18      | A     | .032<br>0.81 | .110-.150 or 2-.110<br>2.79-3.81 or 2-2.79 max | Brass,<br>Tin Plated    | .012<br>0.31       | .445<br>11.30         | X <sup>1</sup> | —              | X <sup>1</sup> | 1742089-2               |
|                   |       | .020<br>0.51 | .110-.150 or 2-.110<br>2.79-3.81 or 2-2.79 max | Steel,<br>Nickel Plated | .012<br>0.31       | .445<br>11.30         | —              | X <sup>1</sup> | —              | 1742312-1               |
|                   |       | .032<br>0.81 | .110-.150 or 2-.110<br>2.79-3.81 or 2-2.79 max | Steel,<br>Nickel Plated | .012<br>0.31       | .445<br>11.30         | —              | X <sup>1</sup> | —              | 1742049-1               |
|                   |       | .032<br>0.81 | .110-.150 or 2-.110<br>2.79-3.81 or 2-2.79 max | Steel,<br>Nickel Plated | .012<br>0.31       | .445<br>11.30         | —              | X <sup>1</sup> | —              | 1742049-1               |

<sup>1</sup> UL/CSA Approved for 18 & 16 AWG only

**Note:** All part numbers are RoHS compliant.

## 125 Series Receptacles

### Insulation Support

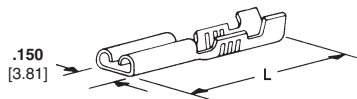


A- Receptacle with Insulation Support

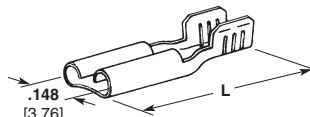
| Wire Range<br>AWG | Style | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish | Stock<br>Thickness | L<br>(Overall Length) | UL | UL | UL | Terminal<br>Part Number |
|-------------------|-------|--------------|------------------------|------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 22-18             | A     | .020<br>0.51 | .090-.110<br>2.29-2.79 | Brass                  | .010<br>0.25       | .635<br>16.13         | —  | —  | —  | 63705-1                 |

## 110 Series Receptacles

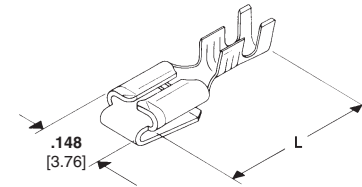
### Straight Receptacles



A — FASTON Receptacles with Insulation Support



B — FASTON Receptacles with No Insulation Support



C — Commercial Line Receptacle and Tab Combination

| Wire Range<br>AWG | Style | Fits Tab<br>Type <sup>7</sup> | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish | Stock<br>Thickness | L<br>(Overall Length) | UL             | UL | UL | Terminal<br>Part Number |
|-------------------|-------|-------------------------------|--------------|------------------------|------------------------|--------------------|-----------------------|----------------|----|----|-------------------------|
| 30-28             | A     | 1                             | .020<br>0.51 | .020-.040<br>0.51-1.02 | Brass,<br>Pre-Tin      | .010<br>0.25       | .560<br>14.22         | —              | —  | —  | 62585-1                 |
| 26-22             | B     | —                             | .020<br>0.51 | —                      | Brass,<br>Tin Plated   | .010<br>0.25       | .327<br>8.31          | —              | —  | —  | 63837-1                 |
|                   |       | —                             | .016<br>0.41 | —                      | Brass                  | .010<br>0.25       | .327<br>8.31          | —              | —  | —  | 61818-1                 |
| 24-22             | A     | 1                             | .016<br>0.41 | .040-.060<br>1.02-1.52 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | —              | —  | —  | 42415-1                 |
|                   |       | 1                             | .020<br>0.51 | .040-.060<br>1.02-1.52 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | X <sup>1</sup> | —  | X  | 42067-1                 |
|                   |       | 1                             | .020<br>0.51 | .040-.060<br>1.02-1.52 | Brass,<br>Pre-Tin      | .010<br>0.25       | .510<br>12.95         | X              | —  | X  | 60089-2                 |
|                   |       | 1                             | .032<br>0.81 | .040-.060<br>1.02-1.52 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | X <sup>1</sup> | —  | X  | 63634-1                 |
| 22-20             | A     | 2                             | .020<br>0.51 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | X              | —  | X  | 42236-1                 |
| 22-18             | A     | 1                             | .012<br>0.31 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | —              | —  | —  | 60415-1                 |
|                   |       | 1                             | .016<br>0.41 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | —              | —  | —  | 60118-1                 |
|                   |       | 2                             | .016<br>0.41 | .090-.130<br>1.52-2.54 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | —              | —  | —  | 62523-1                 |
|                   |       | 1                             | .020<br>0.51 | .060-.100<br>1.52-2.54 | Brass                  | .010<br>0.25       | .635<br>16.13         | X              | —  | X  | 42068                   |
|                   |       | 1                             | .020<br>0.51 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | X              | —  | X  | 42068-1                 |
|                   |       | 1                             | .020<br>0.51 | .090-.130<br>1.52-2.54 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | X              | —  | X  | 62094-1                 |
|                   |       | 1                             | .020<br>0.51 | .090-.130<br>1.52-2.54 | Brass                  | .010<br>0.25       | .635<br>16.13         | X              | —  | X  | 62094-2                 |
|                   |       | 2                             | .020<br>0.51 | .120-.140<br>3.05-3.56 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | X              | —  | X  | 60729-1                 |
|                   |       | 2                             | .025<br>0.51 | .120-.140<br>3.05-3.56 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | —              | —  | —  | 63568-1                 |
|                   |       | 1                             | .025<br>0.51 | .120-.140<br>3.05-3.56 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | —              | —  | —  | 61158-1                 |
|                   |       | 1                             | .032<br>0.81 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | X              | —  | X  | 60197-1                 |
|                   |       | 3                             | .032<br>0.81 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin      | .010<br>0.25       | .635<br>16.13         | X              | —  | X  | 60577-1                 |

<sup>1</sup> UL listed 22 AWG wire only.

<sup>2</sup> No Dimple.

<sup>4</sup> Side feed.

<sup>3</sup> Dimple at special location.

<sup>5</sup> Tab Thickness .020 [0.51].

<sup>6</sup> Tab Thickness .032 [0.81].

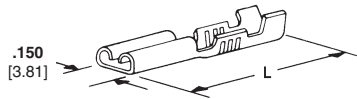
<sup>7</sup> Stress relieved.

<sup>8</sup> See page 29 for Mating Tab Designs.

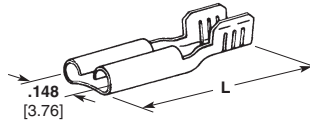
**Note:** All part numbers are RoHS compliant.

## 110 Series Receptacles (Continued)

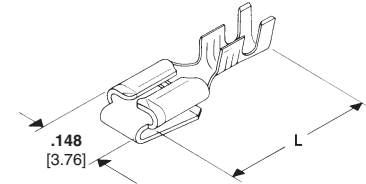
### Straight Receptacles (Continued)



**A — FASTON Receptacles with Insulation Support**



**B — FASTON Receptacles with No Insulation Support**



**C — Commercial Line Receptacle and Tab Combination**

| Wire Range<br>AWG | Style | Fits Tab<br>Type <sup>a</sup> | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL | RA | SP | Terminal<br>Part Number |
|-------------------|-------|-------------------------------|--------------|------------------------|-------------------------|--------------------|-----------------------|----|----|----|-------------------------|
| 22-18             | A     | 1                             | .032<br>0.81 | .120-.140<br>3.05-3.56 | Brass,<br>Pre-Tin       | .010<br>0.25       | .635<br>16.13         | X  | —  | X  | 63954-1                 |
|                   |       | 1                             | .018<br>0.46 | .080-.120<br>2.03-3.05 | Brass                   | .010<br>0.25       | .630<br>16.00         | —  | —  | —  | 63242-1 <sup>5</sup>    |
|                   |       | 1                             | .020<br>0.51 | .060-.100<br>1.52-2.54 | Brass                   | .010<br>0.25       | .630<br>16.00         | X  | —  | X  | 62003-1 <sup>5</sup>    |
|                   | C     | 1                             | .020<br>0.51 | .060-.100<br>1.52-2.54 | Brass,<br>Tin Plated    | .010<br>0.25       | .630<br>16.00         | X  | —  | X  | 62003-2 <sup>5</sup>    |
|                   |       | 1                             | .032<br>0.81 | .080-.120<br>2.03-3.05 | Brass,<br>Tin Plated    | .010<br>0.25       | .630<br>16.00         | X  | —  | X  | 63961-1 <sup>5</sup>    |
|                   |       | 1                             | .032<br>0.81 | .080-.120<br>2.03-3.05 | Brass,<br>Tin Plated    | .010<br>0.25       | .630<br>16.00         | —  | —  | —  | 1217145-1 <sup>6</sup>  |
| 20-18<br>(2) 20   | B     | 1                             | .016<br>0.41 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .475<br>12.07         | —  | —  | —  | 42398-1                 |
|                   |       | 2                             | .016<br>0.41 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .475<br>12.07         | X  | —  | X  | 60967-1                 |
|                   |       | 1                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .475<br>12.07         | X  | —  | X  | 42399-1                 |
|                   |       | 1                             | .020<br>0.51 | —                      | Brass                   | .010<br>0.25       | .475<br>12.07         | X  | —  | X  | 42399-2                 |
|                   |       | 1                             | .025<br>0.64 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .475<br>12.07         | —  | —  | —  | 62345-1                 |
|                   |       | 1                             | .032<br>0.81 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .475<br>12.07         | X  | —  | X  | 60601-1                 |
| 20-18             | B     | —                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .380<br>9.65          | X  | —  | X  | 62850-1 <sup>2</sup>    |
|                   |       | —                             | .020<br>0.51 | —                      | Brass,<br>Tin Plated    | .010<br>0.25       | .380<br>9.65          | X  | —  | X  | 62850-2 <sup>2</sup>    |
| 20-16             | A     | 1                             | .010<br>0.25 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin       | .010<br>0.25       | .625<br>15.88         | —  | —  | —  | 62968-1                 |
|                   |       | 1                             | .020<br>0.51 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin       | .010<br>0.25       | .635<br>16.13         | X  | —  | X  | 61408-1                 |
|                   |       | 1                             | .020<br>0.51 | .060-.100<br>1.52-2.54 | Steel,<br>Nickel Plated | .010<br>0.25       | .635<br>16.13         | —  | X  | X  | 1217102-1               |
|                   |       | 1                             | .020<br>0.51 | .120-.140<br>3.05-3.56 | Brass,<br>Pre-Tin       | .010<br>0.25       | .635<br>16.13         | X  | —  | X  | 61400-1                 |
|                   |       | 1                             | .020<br>0.51 | .150-.170<br>3.81-4.32 | Brass,<br>Tin Plated    | .010<br>0.25       | .635<br>16.13         | X  | —  | X  | 62191-1                 |
|                   |       | 1                             | .032<br>0.81 | .120-.140<br>3.05-3.56 | Brass,<br>Pre-Tin       | .010<br>0.25       | .635<br>16.13         | X  | —  | X  | 62050-1                 |
|                   |       | 1                             | .032<br>0.81 | .120-.140<br>3.05-3.56 | Steel,<br>Nickel Plated | .010<br>0.25       | .635<br>16.13         | —  | X  | X  | 62050-2                 |
|                   |       | 2                             | .032<br>0.81 | .120-.140<br>3.05-3.56 | Brass,<br>Pre-Tin       | .010<br>0.25       | .635<br>16.13         | X  | —  | X  | 63703-1                 |
|                   |       | 1                             | .016<br>0.41 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .537<br>13.64         | —  | —  | —  | 61457-1                 |
|                   |       | 2                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .537<br>13.64         | X  | —  | X  | 63471-1                 |
| 18-14             | B     | 1                             | .032<br>0.81 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .415<br>10.54         | X  | —  | X  | 63560-1                 |
|                   | A     | —                             | .032<br>0.81 | .110-.190<br>2.79-4.83 | Brass,<br>Tin Plated    | .012<br>0.30       | .625<br>15.88         | —  | —  | —  | 63093-1 <sup>2,7</sup>  |
|                   |       | —                             | .020<br>0.51 | —                      | Brass,<br>Tin Plated    | .010<br>0.25       | .475<br>12.07         | X  | —  | X  | 62474-1 <sup>3,4</sup>  |
|                   |       | 1                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .475<br>12.07         | X  | —  | X  | 62852-1 <sup>4</sup>    |

<sup>1</sup> UL listed 22 AWG wire only.

<sup>2</sup> No Dimple.

<sup>4</sup> Side feed.

<sup>3</sup> Dimple at special location.

<sup>5</sup> Tab Thickness .020 [0.51].

<sup>6</sup> Tab Thickness .032 [0.81].

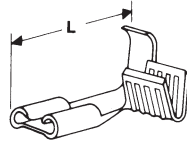
<sup>7</sup> Stress relieved.

<sup>8</sup> See page 29 for Mating Tab Designs.

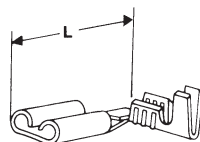
**Note:** All part numbers are RoHS compliant.

## 110 Series F-Crimp Flags

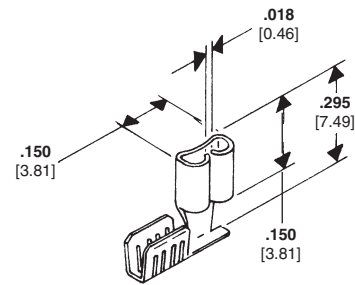
### Flag Receptacles



**A — FASTON Flag Receptacle with Insulation Support**



**B — FASTON Flag Receptacle with Insulation Support**



**C — FASTON Flag Receptacle with No Insulation Support**

| Wire Range<br>AWG | Style | Fits Tab<br>Type <sup>2</sup> | Tab<br>Fit   | Insulation<br>Diameter | Material<br>and Finish  | Stock<br>Thickness | L<br>(Overall Length) | UL             | CSA | Terminal<br>Part Number  |
|-------------------|-------|-------------------------------|--------------|------------------------|-------------------------|--------------------|-----------------------|----------------|-----|--------------------------|
| 26-22             | B     | *                             | .020<br>0.51 | .040-.080<br>1.02-2.03 | Brass,<br>Pre-Tin       | .010<br>0.25       | .430<br>10.92         | X <sup>3</sup> | —   | X <sup>3</sup> 1742219-1 |
|                   |       | *                             | .016<br>0.41 | .065-.100<br>1.65-2.54 | Brass,<br>Pre-Tin       | .010<br>0.25       | .460<br>11.68         | —              | —   | 61459-1                  |
|                   |       | *                             | .020<br>0.51 | .065-.100<br>1.65-2.54 | Brass,<br>Pre-Tin       | .010<br>0.25       | .460<br>11.68         | X              | —   | X 61372-1                |
|                   |       | *                             | .020<br>0.51 | .065-.100<br>1.65-2.54 | Brass,<br>Tin Plated    | .012<br>0.30       | .460<br>11.68         | X              | —   | X 60605-1                |
|                   |       | *                             | .025<br>0.64 | .065-.100<br>1.65-2.54 | Brass,<br>Pre-Tin       | .010<br>0.25       | .460<br>11.68         | —              | —   | 61530-1                  |
|                   |       | *                             | .025<br>0.64 | .065-.100<br>1.65-2.54 | Brass,<br>Tin Plated    | .012<br>0.30       | .460<br>11.68         | —              | —   | 63592-1                  |
|                   | A     | *                             | .032<br>0.81 | .065-.100<br>1.65-2.54 | Brass,<br>Pre-Tin       | .010<br>0.25       | .460<br>11.68         | X              | —   | X 61971-1                |
|                   |       | *                             | .020<br>0.51 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin       | .010<br>0.25       | .430<br>10.92         | X              | —   | X 61481-1                |
|                   |       | *                             | .020<br>0.51 | .060-.100<br>1.52-2.54 | Brass,<br>Tin Plated    | .012<br>0.30       | .430<br>10.92         | X              | —   | X 61070-1                |
|                   |       | *                             | .020<br>0.51 | .060-.100<br>1.52-2.54 | Brass                   | .012<br>0.30       | .430<br>10.92         | X              | —   | X 61070-2                |
|                   |       | *                             | .025<br>0.64 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin       | .010<br>0.25       | .430<br>10.92         | —              | —   | 1217138-1                |
|                   |       | *                             | .032<br>0.81 | .060-.100<br>1.52-2.54 | Brass,<br>Pre-Tin       | .010<br>0.25       | .430<br>10.92         | X              | —   | X 62336-1                |
| 22-18             | B     | *                             | .032<br>0.81 | .060-.100<br>1.52-2.54 | Steel,<br>Nickel Plated | .010<br>0.25       | .430<br>10.92         | —              | —   | 62336-2                  |
|                   |       | —                             | .015<br>0.38 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .295<br>7.49          | —              | —   | 63990-1                  |
|                   |       | —                             | .020<br>0.51 | —                      | Brass                   | .012<br>0.30       | .295<br>7.49          | X <sup>1</sup> | —   | X 60991-1                |
|                   |       | —                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .295<br>7.49          | X <sup>1</sup> | —   | X 61549-1                |
|                   |       | 1                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .295<br>7.49          | X <sup>1</sup> | —   | X 62321-1                |
|                   |       | —                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .295<br>7.49          | X <sup>1</sup> | —   | X 62321-1                |
| 22-16             | C     | —                             | .015<br>0.38 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .295<br>7.49          | —              | —   | 63990-1                  |
|                   |       | —                             | .020<br>0.51 | —                      | Brass                   | .012<br>0.30       | .295<br>7.49          | X <sup>1</sup> | —   | X 60991-1                |
|                   |       | —                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .295<br>7.49          | X <sup>1</sup> | —   | X 61549-1                |
|                   |       | 1                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .295<br>7.49          | X <sup>1</sup> | —   | X 62321-1                |
|                   |       | —                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .295<br>7.49          | X <sup>1</sup> | —   | X 62321-1                |
|                   |       | —                             | .020<br>0.51 | —                      | Brass,<br>Pre-Tin       | .010<br>0.25       | .295<br>7.49          | X <sup>1</sup> | —   | X 62321-1                |

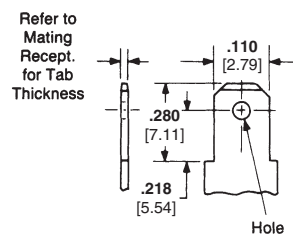
\* No Tab Type

<sup>1</sup> UL listed and CSA certified for 22-18 AWG.

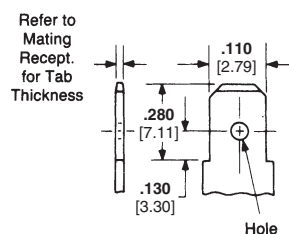
<sup>2</sup> See below for Mating Tab Designs.

<sup>3</sup> UL listed and CSA certified for 22 AWG wire only.

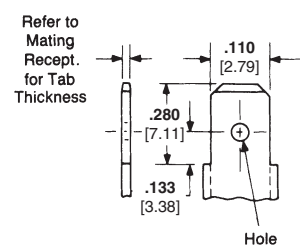
### Mating 110 Series Tab Designs



**Mating 110 Series Tab Dimension Type 1**



**Mating 110 Series Tab Dimensions Type 2**



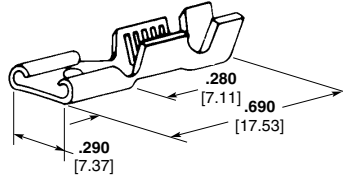
**Mating 110 Series Tab Dimensions Type 3**

**Note:** All part numbers are RoHS compliant.

## AMPLIVAR Receptacles

### 250 Series FASTON Receptacles

Stock Thickness — .016 [0.41]



| Magnet Wire Range<br>AWG        | mm <sup>2</sup>                         | Insulation<br>Diameter                                           | Mating<br>Tab Thk.    | Material                  | Material<br>Thickness | Part<br>Number                               | Applicator<br>No.     |
|---------------------------------|-----------------------------------------|------------------------------------------------------------------|-----------------------|---------------------------|-----------------------|----------------------------------------------|-----------------------|
| 24-19                           | 0.23-0.70                               | <b>.050-.080</b><br>1.30-2.00                                    | <b>.020</b><br>0.51   | Brass<br>Tin Plated Brass | <b>.016</b><br>0.41   | 63623-1 <sup>1</sup><br>63623-2 <sup>1</sup> | 567451-2 <sup>2</sup> |
| 23-19 or<br>(2) 24 or<br>(2) 26 | 0.29-0.70 or<br>(2) 0.23 or<br>(2) 0.15 | <b>.050-.100</b><br>1.30-2.55                                    | <b>.025</b><br>0.64   | Brass                     | <b>.016</b><br>0.41   | 62069-1 <sup>3</sup>                         | 567343-2 <sup>2</sup> |
| 20-16 or<br>(2) 23 or<br>(2) 20 | 0.57-1.39 or<br>(2) 0.29 or<br>(2) 0.57 | <b>.100-.140</b><br>2.55-3.55 or<br>(2) <b>.060</b> Max.<br>1.52 | <b>.032</b><br>[0.81] | Brass<br>Tin Plated Brass | <b>.016</b><br>0.41   | 60384-1<br>60384-2                           | 466010-1 <sup>2</sup> |
| 20-16                           | 0.57-1.39                               | <b>.100-.140</b><br>2.55-3.55                                    | <b>.020</b><br>0.51   | Brass                     | <b>.016</b><br>0.41   | 62080-1                                      | 466010-1 <sup>2</sup> |
| 18-14 or<br>(2) 17              | 0.88-2.19 or<br>(2) 1.11                | <b>.120-.170</b><br>3.05-4.30 or<br>(2) <b>.060</b> Max.<br>1.52 | <b>.032</b><br>[0.81] | Tin Plated Brass          | <b>.016</b><br>0.41   | 60385-2                                      | 466816-1 <sup>2</sup> |
| 18-14 or<br>(2) 19              | 0.88-2.19 or<br>(2) 0.70                | <b>.120-.170</b><br>3.05-4.30                                    | <b>.020</b><br>0.51   | Brass                     | <b>.016</b><br>0.41   | 63622-1 <sup>1</sup>                         | 466816-1 <sup>2</sup> |
| 18-14 or<br>(2) 19              | 0.88-2.19 or<br>(2) 0.70                | <b>.120-.170</b><br>3.05-4.30                                    | <b>.032</b><br>0.81   | Brass                     | <b>.016</b><br>0.41   | 1217835-1                                    | 466816-1 <sup>2</sup> |

<sup>1</sup> Low insertion force

<sup>2</sup> Quick-Change Applicator for AMP-O-LECTRIC Machine 565435-5.

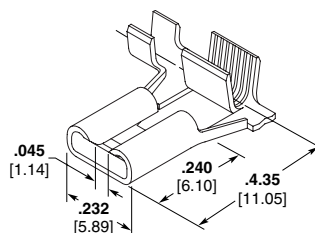
<sup>3</sup> Mates to .025 [0.64] thick tab.

**Note:** All part numbers are RoHS compliant.

## AMPLIVAR Receptacles (Continued)

### 187 Series FASTON Flag Receptacles

Stock Thickness — .016 [0.41]



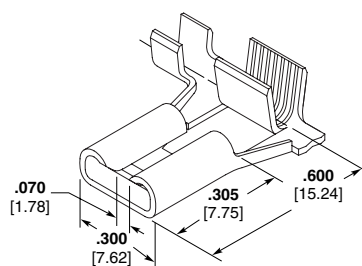
| Magnet Wire Range |                 | Insulation Diameter    | Mating Tab Thk. | Material         | Material Thickness | Part Number | Applicator No.        |
|-------------------|-----------------|------------------------|-----------------|------------------|--------------------|-------------|-----------------------|
| CMA               | mm <sup>2</sup> |                        |                 |                  |                    |             |                       |
| 500-1200          | 0.25-0.61       | .020-.040<br>0.51-1.02 | .020<br>0.51    | Tin Plated Brass | .016<br>0.41       | 63942-1     | 566411-1 <sup>1</sup> |
| 24-20 AWG         | 0.2-0.5         | .020-.040<br>0.51-1.02 | .032<br>0.81    | Tin Plated Brass | .016<br>0.41       | 1217624-1   | 566411-1 <sup>1</sup> |
| 1200-2350         | 0.61-1.19       | .020-.040<br>0.51-1.02 | .020<br>0.51    | Tin Plated Brass | .016<br>0.41       | 63941-1     | 566410-1 <sup>1</sup> |
| 2000-4000         | 1.01-2.03       | .020-.040<br>0.51-1.02 | .032<br>0.81    | Tin Plated Brass | .016<br>0.41       | 1217955-1   | 566429-1              |
| 2000-4050         | 1.01-2.05       | .020-.040<br>0.51-1.02 | .020<br>0.51    | Tin Plated Brass | .016<br>0.41       | 63940-1     | 680353-3 <sup>2</sup> |
| 2000-4050         | 1.01-2.05       | .020-.040<br>0.51-1.02 | .032<br>0.81    | Tin Plated Brass | .016<br>0.41       | 1217417-1   | 680353-3 <sup>2</sup> |
| 3000-6000         | 1.52-3.04       | .020-.040<br>0.51-1.02 | .020<br>0.51    | Tin Plated Brass | .016<br>0.41       | 1217899-1   | 566426-1              |

<sup>1</sup> Standard Applicator for "G" Splice Terminator No. 356462-2.

<sup>2</sup> Quick-Change Applicator for "G" Splice Terminator No. 356462-1.

### 250 Series FASTON Flag Receptacles

Stock Thickness — .018 [0.45]



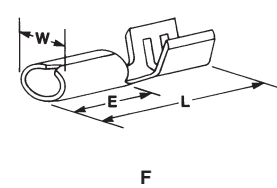
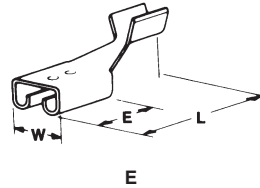
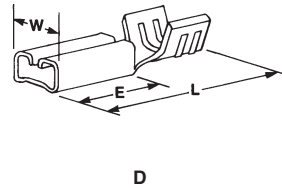
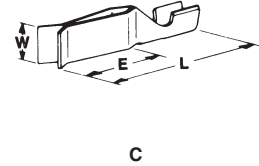
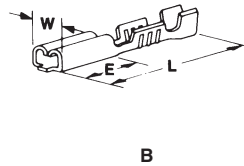
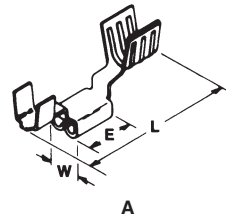
| Magnet Wire Range |                 | Insulation Diameter    | Mating Tab Thk. | Material               | Material Thickness | Part Number | Applicator No.        |
|-------------------|-----------------|------------------------|-----------------|------------------------|--------------------|-------------|-----------------------|
| AWG               | mm <sup>2</sup> |                        |                 |                        |                    |             |                       |
| 16-12             | 1.39-3.47       | .120-.170<br>3.05-4.32 | .032<br>0.81    | Tin Plated Phos Bronze | .018<br>0.45       | 63944-1     | 680421-3 <sup>1</sup> |

<sup>1</sup> Quick-Change Applicator for "G" Splice Terminator No. 356462-1.

**Note:** All part numbers are RoHS compliant.

## Miscellaneous Tab Receptacles

### Tab Receptacles



| Wire Range        |                            | Type  | Insul. Dia.<br>Range   | Stock<br>Thk. | Material<br>and Finish         | Fits Tab                   | Dimensions       |                            |                            | Part No.               |              |              |
|-------------------|----------------------------|-------|------------------------|---------------|--------------------------------|----------------------------|------------------|----------------------------|----------------------------|------------------------|--------------|--------------|
| AWG               | mm <sup>2</sup>            |       |                        |               |                                |                            | E                | L                          | W                          |                        |              |              |
| 26-22             | 0.12-0.4                   | B     | .035-.065<br>0.89-1.65 | .010<br>.025  | Pre-Tin Brass                  | .031 x .093<br>0.79 x 2.36 | .190<br>4.83     | .475<br>12.06              | .120<br>3.05               | 61813-1 <sup>5</sup>   |              |              |
|                   |                            | A     | .040-.080<br>1.02-2.03 | .010<br>0.25  | Brass                          | .045 x .045<br>1.14 x 1.14 | .130<br>3.3      | .372<br>9.45               | .095<br>2.41               | 60524-1                |              |              |
|                   |                            |       |                        |               | Tin Plated<br>Beryllium Copper | .045 x .045<br>1.14 x 1.14 | .130<br>3.3      | .372<br>9.45               | .095<br>2.41               | 60524-5                |              |              |
|                   |                            |       |                        |               | Tin Plated Brass               | .031 x .062<br>0.79 x 1.57 | .187<br>4.75     | .462<br>11.73              | .090<br>2.29               | 60900-1 <sup>1</sup>   |              |              |
|                   |                            |       |                        |               | Gold Plated Brass              | .031 x .062<br>0.79 x 1.57 | .187<br>4.75     | .462<br>11.73              | .090<br>2.29               | 60900-2                |              |              |
|                   |                            | B     | .040-.080<br>1.02-2.03 | .010<br>0.25  | Tin Plated Brass               | .031 x .062<br>0.79 x 1.57 | .187<br>4.75     | .462<br>11.73              | .090<br>2.29               | 60900-4 <sup>2</sup>   |              |              |
|                   |                            |       |                        |               | Gold Plated Brass              | .031 x .062<br>0.79 x 1.57 | .187<br>4.75     | .462<br>11.73              | .090<br>2.29               | 60900-5 <sup>7</sup>   |              |              |
|                   |                            |       |                        |               | Tin Plated Brass               | .031-.062<br>0.79-1.57     | .187<br>4.75     | .462<br>11.73              | .090<br>2.29               | 63887-1                |              |              |
|                   |                            |       |                        |               | F                              | —                          | .010<br>0.25     | Tin Plated Brass           | .015 x .050<br>0.38 x 1.27 | .145<br>3.68           | .310<br>7.87 | .070<br>1.78 |
|                   |                            | 22-20 | 0.3-0.6                | E             | —                              | .010<br>0.25               | Tin Plated Brass | .037 x .125<br>0.94 x 3.18 | .190<br>4.83               | .425<br>10.8           | .160<br>4.06 | 41989        |
|                   |                            | 22-18 | 0.3-0.9                | A             | .060-.110<br>1.52-2.79         | .010<br>0.25               | Tin Plated Brass | .031 x .062<br>0.79 x 1.57 | .130<br>3.3                | .372<br>9.45           | .090<br>2.29 | 61489-1      |
| Gold Plated Brass | .031 x .062<br>0.79 x 1.57 |       |                        |               |                                |                            | .130<br>3.3      | .372<br>9.45               | .090<br>2.29               | 61616-1                |              |              |
| B                 | .050-.085<br>1.27-2.16     |       |                        | .010<br>0.25  | Pre-Tin Brass                  | .010 x .093<br>0.25 x 2.36 | .190<br>4.83     | .480<br>12.19              | .120<br>3.05               | 63391-1 <sup>3,4</sup> |              |              |
|                   |                            |       |                        |               | Pre-Tin Brass                  | .010 x .093<br>0.25 x 2.36 | .190<br>4.83     | .480<br>12.19              | .120<br>3.05               | 63391-2 <sup>4</sup>   |              |              |
| 20-18             | 0.5-0.9                    | B     | .080-.120<br>2.03-3.05 | .010<br>0.25  | Pre-Tin Brass                  | .032 x .103<br>0.81 x 2.62 | .200<br>5.08     | .480<br>12.19              | .126<br>3.2                | 60252-1 <sup>6</sup>   |              |              |
|                   |                            |       |                        |               | Pre-Tin Brass                  | .020 x .103<br>0.51 x 2.62 | .200<br>5.08     | .480<br>12.19              | .126<br>3.2                | 60432-1 <sup>6</sup>   |              |              |
|                   |                            |       |                        |               | Tin Plated Brass               | .020 x .156<br>0.51 x 3.96 | .200<br>5.08     | .480<br>12.19              | .179<br>4.55               | 62399-1                |              |              |
|                   |                            | D     | —                      | .010<br>0.25  | Brass                          | .010 x .110<br>0.25 x 2.79 | .200<br>5.08     | .380<br>9.65               | .148<br>3.76               | 62589-1                |              |              |
| 18-14             | 0.8-2.0                    | C     | —                      | .025<br>0.64  | Brass                          | .060 x .250<br>1.52 x 6.35 | .520<br>13.2     | .985<br>25.02              | .250<br>6.35               | 60312-1                |              |              |

<sup>1</sup> Available in loose piece form, order Part Number 61454-1.

<sup>2</sup> Reverse reel of 60900-1.

<sup>3</sup> Loose piece form of Part Number 63391-2.

<sup>4</sup> Mechanically compliant base.

<sup>5</sup> No dimple.

<sup>6</sup> Dimple.

<sup>7</sup> Reverse reel of Part Number 60900-2.

**Note:** All part numbers are RoHS compliant.