



### PIDG (Pre-Insulated Diamond Grip)

#### Product Facts

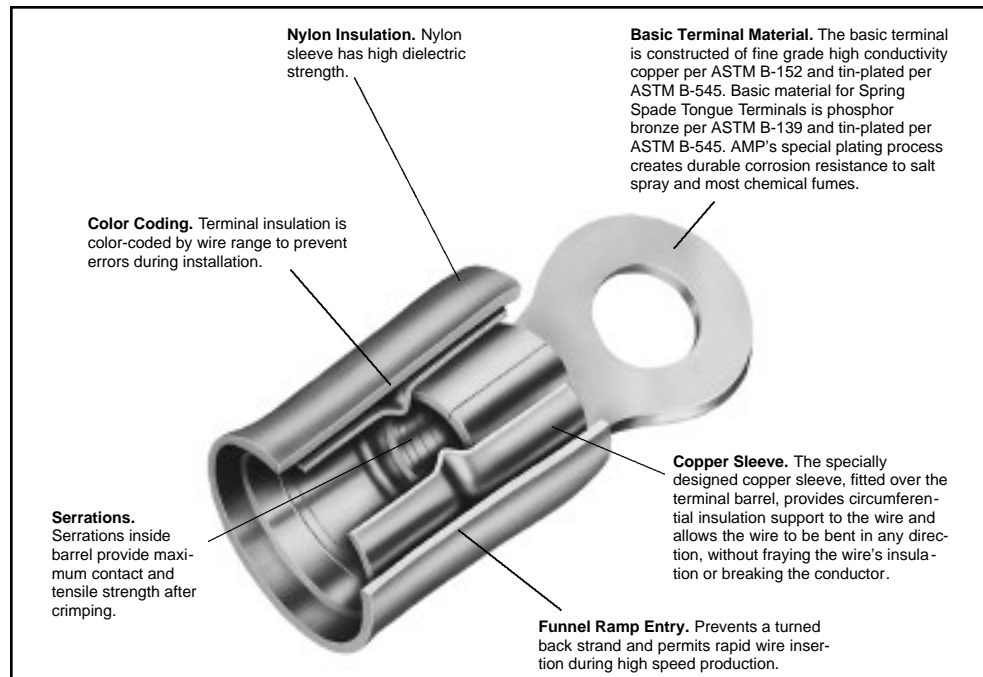
- Pre-insulated terminal designed for uniform reliability in most difficult circuit environments
- PIDG Terminals consist of tin plated copper or tin plated phosphor bronze body for spring spades with a copper sleeve and insulation sleeve fitted over terminal barrel
- Design of the tool dies and construction of the terminal allows for uniform insulation thickness under crimping pressure, transmitting this pressure evenly to the center of the crimp area

#### The AMP Mated Tool/Terminal Concept

- AMP compression crimping produces crimps for a given size wire and terminal that are alike in appearance and performance
- Terminal and crimping tool are designed as uniform matched devices
- Dies are precision-engineered from the finest hard-metal alloys
- Crimping pressure is controlled by a ratchet device on the hand tool or a corresponding pre-calibration in the crimping jaws of AMP automated crimping machines

#### The Crimp

- When done properly, crimping pressure can neither overstress nor under-stress the terminal barrel—machined dies fully bottom to the precise crimp height
- Resulting termination is free of contamination
- Resistant to shock and critical environments
- Tensile strength approaches that of the wire itself
- PIDG Terminals meet or exceed the requirements of MIL-T-7928, Type II, Class 1 and 2
- Refer to AMP Qualified Products for Military Application, Catalog 73-159 for Military Specification Number to AMP Part Number cross reference



Temperature Rating: 105°C Max.

Note: Over size expansions are provided in vinyl insulation only.

| AMP PIDG Terminals<br>(Use PIDG Tooling) |                         |                                      | AMP PIDG Nylon Butt Window Splice<br>(Use PIDG Tooling) |                         |                         |
|------------------------------------------|-------------------------|--------------------------------------|---------------------------------------------------------|-------------------------|-------------------------|
| AMP Wire Range                           | UL Listed               | LR7189 Certified                     | AMP Wire Range                                          | UL Listed               | LR7189 Certified        |
| 22-16                                    | 22-16 Solid or Stranded | 300 V Max., 105°C. Max. <sup>1</sup> | 22-16                                                   | 22-16 Stranded or Solid | 300 V Max., 105°C. Max. |
| 16-14                                    | 16-14 Solid or Stranded |                                      | 16-14                                                   | 16-14 Stranded or Solid |                         |
| 12-10                                    | 12-10 Solid or Stranded |                                      | 12-10                                                   | 12-10 Stranded or Solid |                         |

Note: 22-16 terminals are stamped 22-18 in accordance with MIL-T-7928.  
<sup>1</sup>UL & CSA—Nylon

Note: 22-16 splices are stamped 22-18 in accordance with MIL-T-7928.

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Dimensions are shown for reference purposes only.

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

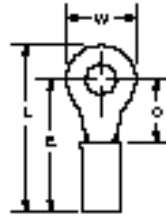
Specifications subject to change.

Technical Support Center  
1-800-522-6752  
www.amp.com



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Ring Tongue Terminals**



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions    |               |               |               | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers         |                      |
|---------------------------------------------------|-----------------------------------------|--------------|---------------|---------------|---------------|---------------|---------------------------------|----------------------------------------|----------------------|----------------------|
|                                                   |                                         |              | W             | C<br>Min.     | E<br>Max.     | L<br>Max.     |                                 |                                        | Loose<br>Piece       | Tape<br>Mounted      |
| 26-24<br>238-475<br>[0.12-0.24]                   | .029<br>0.74                            | 2<br>M2      | .203<br>5.16  | .211<br>5.36  | .632<br>16.05 | .739<br>18.77 | Yellow                          | .105<br>2.67                           | 54310-1 <sup>†</sup> | —                    |
|                                                   |                                         | 4            | .203<br>5.16  | .211<br>5.36  | .632<br>16.05 | .736<br>18.69 | Yellow                          | .105<br>2.67                           | 52189 <sup>†</sup>   | —                    |
|                                                   |                                         | 6<br>M3.5    | .250<br>6.35  | .243<br>6.17  | .664<br>16.87 | .792<br>20.12 | Yellow                          | .105<br>2.67                           | 53073 <sup>†</sup>   | —                    |
|                                                   |                                         | 8<br>M4      | .281<br>7.14  | .250<br>6.35  | .671<br>17.04 | .814<br>20.68 | Yellow                          | .105<br>2.67                           | 54311-1 <sup>†</sup> | —                    |
|                                                   |                                         | 10           | .312<br>7.92  | .281<br>7.14  | .702<br>17.83 | .868<br>22.05 | Yellow                          | .105<br>2.67                           | 54312-1 <sup>†</sup> | 54312-2 <sup>†</sup> |
| 26-22<br>202-810<br>[0.10-0.41]                   | .020<br>0.51                            | 0            | .140<br>3.56  | .121<br>3.07  | .452<br>11.48 | .525<br>13.34 | Yellow                          | .082<br>2.08                           | 321013               | —                    |
|                                                   |                                         | 2<br>M2      | .140<br>3.56  | .121<br>3.07  | .452<br>11.48 | .525<br>13.34 | Yellow                          | .082<br>2.08                           | 323912*              | 2-323912-1           |
|                                                   |                                         |              | .140<br>3.56  | .211<br>5.36  | .542<br>13.77 | .615<br>15.62 | Yellow                          | .082<br>2.08                           | 329951*              | —                    |
|                                                   |                                         | 4            | .165<br>4.19  | .211<br>5.36  | .542<br>13.77 | .617<br>15.67 | Yellow/Br.                      | .082<br>2.08                           | 321620*              | 1-321620-0           |
|                                                   |                                         |              | .203<br>5.16  | .211<br>5.36  | .542<br>13.77 | .646<br>16.41 | Yellow                          | .082<br>2.08                           | 323913               | 2-323913-1           |
|                                                   |                                         | 6<br>M3.5    | .203<br>5.16  | .211<br>5.36  | .542<br>13.77 | .646<br>16.41 | Yellow                          | .082<br>2.08                           | 323914*              | 2-323914-1           |
|                                                   |                                         |              | .198<br>5.03  | .308<br>7.82  | .643<br>16.33 | .745<br>18.92 | Yellow                          | .082<br>2.08                           | 321617               | —                    |
|                                                   |                                         | 8<br>M4      | .203<br>5.16  | .211<br>5.36  | .542<br>13.77 | .646<br>16.41 | Yellow                          | .082<br>2.08                           | 323915*              | 2-323915-2           |
|                                                   |                                         |              | .250<br>6.35  | .281<br>7.14  | .612<br>15.54 | .740<br>18.80 | Yellow                          | .082<br>2.08                           | 326875*              | 2-326875-1           |
|                                                   |                                         | 10           | .250<br>6.35  | .281<br>7.14  | .612<br>15.54 | .740<br>18.80 | Yellow                          | .082<br>2.08                           | 323916*              | 2-323916-1           |
| .300<br>7.62                                      | .281<br>7.14                            |              | .612<br>15.54 | .765<br>19.43 | Yellow        | .082<br>2.08  | 52124                           | 52124-2                                |                      |                      |
| 24-20<br>320-1,290<br>[0.16-0.65]                 | .025<br>0.64                            | 0            | .160<br>4.06  | .125<br>3.18  | .506<br>12.85 | .589<br>14.96 | Natural                         | .100<br>2.54                           | —                    | 2-328489-1           |
|                                                   |                                         | 2<br>M2      | .160<br>4.06  | .125<br>3.18  | .506<br>12.85 | .589<br>14.96 | Natural                         | .100<br>2.54                           | 329636               | 2-329636-1           |
|                                                   |                                         | 4            | .203<br>5.16  | .250<br>6.35  | .631<br>16.03 | .735<br>18.67 | Natural                         | .100<br>2.54                           | 50534                | —                    |
|                                                   |                                         |              | .281<br>7.14  | .250<br>6.35  | .631<br>16.03 | .774<br>19.66 | Natural                         | .100<br>2.54                           | 323985               | —                    |
|                                                   |                                         | 6<br>M3.5    | .281<br>7.14  | .250<br>6.35  | .631<br>16.03 | .774<br>19.66 | Natural                         | .100<br>2.54                           | 323986               | 2-323986-1           |
|                                                   |                                         | 8<br>M4      | .312<br>7.92  | .281<br>7.14  | .662<br>16.81 | .821<br>20.85 | Natural                         | .100<br>2.54                           | 323989               | 1-323989-0           |
|                                                   |                                         | 10           | .312<br>7.92  | .281<br>7.14  | .662<br>16.81 | .821<br>20.85 | Natural                         | .100<br>2.54                           | 323990               | 2-323990-1           |

\*Available in small packaging quantities.

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

†Must be crimped with 22-18 or 22-16 PIDG (red) Tooling.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

PIDG

**Ring Tongue Terminals**

(Continued)

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |           |           |              | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers       |                 |
|--------------------------------------------------|-----------------------------------------|--------------|------------|-----------|-----------|--------------|---------------------------------|----------------------------------------|--------------------|-----------------|
|                                                  |                                         |              | W          | C<br>Min. | E<br>Max. | L<br>Max.    |                                 |                                        | Loose<br>Piece     | Tape<br>Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]                | .033<br>0.84                            | 1            | .160       | .156      | .560      | .643         | Red                             | .125<br>3.18                           | 327174             | 2-327174-1      |
|                                                  |                                         |              | 4.06       | 3.96      | 14.22     | 16.33        |                                 |                                        |                    |                 |
|                                                  |                                         | 2<br>M2      | .182       | .172      | .576      | .669         | Red                             | .125<br>3.18                           | 324158             | 2-324158-1      |
|                                                  |                                         |              | 4.62       | 4.37      | 14.63     | 16.99        |                                 |                                        |                    |                 |
|                                                  |                                         | 2<br>M2      | .182       | .172      | .576      | .669         | Red                             | .140<br>3.56                           | 320773             | —               |
|                                                  |                                         |              | 4.62       | 4.37      | 14.63     | 16.99        |                                 |                                        |                    |                 |
|                                                  |                                         | 2<br>M2      | .218       | .156      | .560      | .672         | Red                             | .125<br>3.18                           | 328657*            | 2-328657-1      |
|                                                  |                                         |              | 5.54       | 3.96      | 14.22     | 17.07        |                                 |                                        |                    |                 |
|                                                  |                                         | 2<br>M2      | .182       | .172      | .576      | .669         | Red/Green                       | .125<br>3.18                           | 327654*            | —               |
|                                                  |                                         |              | 4.62       | 4.37      | 14.63     | 16.99        |                                 |                                        |                    |                 |
|                                                  |                                         | 2<br>M2      | .182       | .172      | .576      | .669         | Red                             | .140<br>3.56                           | 320882*            | 2-320882-1      |
|                                                  |                                         |              | 4.62       | 4.37      | 14.63     | 16.99        |                                 |                                        |                    |                 |
|                                                  |                                         | 2<br>M2      | .218       | .156      | .560      | .672         | Red                             | .125<br>3.18                           | 320553*            | 2-320553-2      |
|                                                  |                                         |              | 5.54       | 3.96      | 14.22     | 17.07        |                                 |                                        |                    |                 |
|                                                  |                                         | 4            | .218       | .156      | .560      | .672         | Red                             | .125<br>3.18                           | 36254 <sup>1</sup> |                 |
|                                                  |                                         |              | 5.54       | 3.96      | 14.22     | 17.07        |                                 |                                        |                    |                 |
|                                                  |                                         | 4            | .218       | .156      | .560      | .672         | Red                             | .140<br>3.56                           | 31880*             | 2-31880-1       |
|                                                  |                                         |              | 5.54       | 3.96      | 14.22     | 17.07        |                                 |                                        |                    |                 |
|                                                  |                                         | 4            | .218       | .156      | .560      | .672         | Black                           | .140<br>3.56                           | 35229              | —               |
|                                                  |                                         |              | 5.54       | 3.96      | 14.22     | 17.07        |                                 |                                        |                    |                 |
|                                                  |                                         | 4            | .250       | .312      | .716      | .844         | Red                             | .125<br>3.18                           | 323758             | 2-323758-1      |
|                                                  |                                         |              | 6.35       | 7.92      | 18.19     | 21.44        |                                 |                                        |                    |                 |
|                                                  |                                         | 4            | .250       | .312      | .716      | .844         | Red                             | .140<br>3.56                           | 330648             | 2-330648-1      |
|                                                  |                                         |              | 6.35       | 7.92      | 18.19     | 21.44        |                                 |                                        |                    |                 |
| 4                                                | .218                                    | .156         | .560       | .672      | Red       | .125<br>3.18 | 36149*                          | 2-36149-2                              |                    |                 |
|                                                  | 5.54                                    | 3.96         | 14.22      | 17.07     |           |              |                                 |                                        |                    |                 |
| 4                                                | .218                                    | .156         | .560       | .672      | Red       | .140<br>3.56 | 36150*                          | 2-36150-1                              |                    |                 |
|                                                  | 5.54                                    | 3.96         | 14.22      | 17.07     |           |              |                                 |                                        |                    |                 |
| 4                                                | .250                                    | .250         | .654       | .782      | Red       | .125<br>3.18 | 51863*                          | 51863-1                                |                    |                 |
|                                                  | 6.35                                    | 6.35         | 16.61      | 19.86     |           |              |                                 |                                        |                    |                 |
| 6<br>M3.5                                        | .281                                    | .250         | .654       | .797      | Red       | .125<br>3.18 | 36151*                          | 2-36151-2                              |                    |                 |
|                                                  | 7.14                                    | 6.35         | 16.61      | 20.24     |           |              |                                 |                                        |                    |                 |
| 6<br>M3.5                                        | .281                                    | .250         | .654       | .797      | Red       | .140<br>3.56 | 36152*                          | 2-36152-1                              |                    |                 |
|                                                  | 7.14                                    | 6.35         | 16.61      | 20.24     |           |              |                                 |                                        |                    |                 |
| 6<br>M3.5                                        | .312                                    | .281         | .685       | .844      | Red       | .125<br>3.18 | 323008                          | 2-323008-1                             |                    |                 |
|                                                  | 7.92                                    | 7.14         | 17.40      | 21.44     |           |              |                                 |                                        |                    |                 |
| 6<br>M3.5                                        | .312                                    | .281         | .685       | .844      | Red       | .140<br>3.56 | 326878                          | 2-326878-1                             |                    |                 |
|                                                  | 7.92                                    | 7.14         | 17.40      | 21.44     |           |              |                                 |                                        |                    |                 |
| 6<br>M3.5                                        | .281                                    | .250         | .654       | .797      | Red       | .125<br>3.18 | 320554*                         | 2-320554-1                             |                    |                 |
|                                                  | 7.14                                    | 6.35         | 16.61      | 20.24     |           |              |                                 |                                        |                    |                 |
| 6<br>M3.5                                        | .281                                    | .250         | .654       | .797      | Red       | .140<br>3.56 | 31886*                          | 2-31886-2                              |                    |                 |
|                                                  | 7.14                                    | 6.35         | 16.61      | 20.24     |           |              |                                 |                                        |                    |                 |
| 8<br>M4                                          | .312                                    | .281         | .685       | .844      | Red       | .125<br>3.18 | 320551*                         | 1-320551-1                             |                    |                 |
|                                                  | 7.92                                    | 7.14         | 17.40      | 21.44     |           |              |                                 |                                        |                    |                 |
| 8<br>M4                                          | .312                                    | .281         | .685       | .844      | Red       | .140<br>3.56 | 31890*                          | 2-31890-1                              |                    |                 |
|                                                  | 7.92                                    | 7.14         | 17.40      | 21.44     |           |              |                                 |                                        |                    |                 |
| 8<br>M4                                          | .344                                    | .297         | .701       | .876      | Red       | .140<br>3.56 | 32835                           | 2-32835-2                              |                    |                 |
|                                                  | 8.74                                    | 7.54         | 17.81      | 22.25     |           |              |                                 |                                        |                    |                 |
| 8<br>M4                                          | .281                                    | .250         | .654       | .797      | Red       | .125<br>3.18 | 320552*                         | 2-320552-1                             |                    |                 |
|                                                  | 7.14                                    | 6.35         | 16.61      | 20.24     |           |              |                                 |                                        |                    |                 |
| 8<br>M4                                          | .281                                    | .250         | .654       | .797      | Red       | .140<br>3.56 | 31887*                          | 2-31887-1                              |                    |                 |
|                                                  | 7.14                                    | 6.35         | 16.61      | 20.24     |           |              |                                 |                                        |                    |                 |
| 10                                               | .312                                    | .281         | .685       | .844      | Red       | .125<br>3.18 | 36153*                          | 2-36153-2                              |                    |                 |
|                                                  | 7.92                                    | 7.14         | 17.40      | 21.44     |           |              |                                 |                                        |                    |                 |
| 10                                               | .312                                    | .281         | .685       | .844      | Red       | .140<br>3.56 | 36154*                          | 2-36154-2                              |                    |                 |
|                                                  | 7.92                                    | 7.14         | 17.40      | 21.44     |           |              |                                 |                                        |                    |                 |
| 10                                               | .344                                    | .297         | .701       | .876      | Red       | .125<br>3.18 | 32836*                          | —                                      |                    |                 |
|                                                  | 8.74                                    | 7.54         | 17.81      | 22.25     |           |              |                                 |                                        |                    |                 |
| 10                                               | .344                                    | .297         | .701       | .876      | Red       | .140<br>3.56 | 32837*                          | 32837-1                                |                    |                 |
|                                                  | 8.74                                    | 7.54         | 17.81      | 22.25     |           |              |                                 |                                        |                    |                 |

\*Available in small packaging quantities.

<sup>1</sup>Slightly larger than standard #4 stud hole. (.128 in./3.25 mm.)

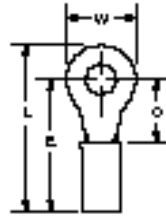
**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Ring Tongue Terminals**

(Continued)



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size                                     | Dimensions   |           |           |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |         |            |
|---------------------------------------------------|-----------------------------------------|--------------------------------------------------|--------------|-----------|-----------|-----------|---------------------------------|----------------------------------------|----------------|-----------------|---------|------------|
|                                                   |                                         |                                                  | W            | C<br>Min. | E<br>Max. | L<br>Max. |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |         |            |
| 22-16<br>509-3,260<br>[0.26-1.65]                 | .033<br>0.84                            | 1/4<br>M6                                        | .469         | .437      | .841      | 1.078     | Red                             | .125<br>3.18                           | 320571*        | 2-320571-2      |         |            |
|                                                   |                                         |                                                  | 11.91        | 11.10     | 21.36     | 27.38     | Black                           | .125<br>3.18                           | 55936-1        | 55936-2         |         |            |
|                                                   |                                         | 5/16<br>M8                                       | .469         | .437      | .841      | 1.078     | Red                             | .140<br>3.56                           | 31894*         | 2-31894-2       |         |            |
|                                                   |                                         |                                                  | 11.91        | 11.10     | 21.36     | 27.38     | Red                             | .125<br>3.18                           | 320572*        | 2-320572-1      |         |            |
|                                                   |                                         | 3/8                                              | .469         | .437      | .841      | 1.078     | Red                             | .140<br>3.56                           | 31895*         | 2-31895-1       |         |            |
|                                                   |                                         |                                                  | 11.91        | 11.10     | 21.36     | 27.38     | Red                             | .125<br>3.18                           | 324123         | —               |         |            |
|                                                   |                                         | 1/2<br>M12                                       | .531         | .546      | .950      | 1.218     | Red                             | .125<br>3.18                           | 320573*        | 2-320573-4      |         |            |
|                                                   |                                         |                                                  | 13.49        | 13.87     | 24.13     | 30.94     | Red                             | .140<br>3.56                           | 31897*         | 2-31897-2       |         |            |
|                                                   |                                         | 20-16HD <sup>1</sup><br>992-2,800<br>[0.50-1.42] | .042<br>1.07 | 10        | .656      | .437      | .841                            | 1.171                                  | Red            | .125<br>3.18    | 321522  | —          |
|                                                   |                                         |                                                  |              |           | 16.66     | 11.10     | 21.36                           | 29.74                                  | Red            | .125<br>3.18    | 328975* | —          |
|                                                   |                                         | 16-14<br>2,050-5,180<br>[1.04-2.62]              | .033<br>0.84 | 2<br>M2   | .180      | .171      | .575                            | .668                                   | Blue           | .170<br>4.32    | 324993  | —          |
|                                                   |                                         |                                                  |              |           | 4.57      | 4.34      | 14.61                           | 16.97                                  | Blue           | .150<br>3.81    | 324159* | 2-324159-2 |
| 4                                                 | .250                                    |                                                  |              | .171      | .575      | .703      | Blue                            | .170<br>4.32                           | 328996*        | 2-328996-1      |         |            |
|                                                   | 6.35                                    |                                                  |              | 4.34      | 14.61     | 17.86     | Blue                            | .150<br>3.81                           | 323676         | —               |         |            |
| 6<br>M3.5                                         | .250                                    |                                                  |              | .171      | .575      | .703      | Blue                            | .150<br>3.81                           | 320561*        | 2-320561-2      |         |            |
|                                                   | 6.35                                    |                                                  |              | 4.34      | 14.61     | 17.86     | Blue                            | .170<br>4.32                           | 320619*        | 2-320619-1      |         |            |
| 8<br>M4                                           | .250                                    |                                                  |              | .171      | .575      | .703      | Blue                            | .170<br>4.32                           | 50881          | 50881-2         |         |            |
|                                                   | 6.35                                    |                                                  |              | 4.34      | 14.61     | 17.86     | Blue                            | .170<br>4.32                           | 326882*        | 2-326882-1      |         |            |
| 8<br>M4                                           | .312                                    |                                                  |              | .250      | .654      | .813      | Blue                            | .170<br>4.32                           | 326882*        | 2-326882-1      |         |            |
|                                                   | 7.92                                    |                                                  |              | 6.35      | 16.61     | 20.65     | Blue                            | .150<br>3.81                           | 51864*         | 51864-3         |         |            |
| 8<br>M4                                           | .312                                    |                                                  |              | .281      | .685      | .844      | Blue                            | .150<br>3.81                           | 36157*         | 2-36157-2       |         |            |
|                                                   | 7.92                                    |                                                  |              | 7.14      | 17.40     | 21.44     | Blue                            | .150<br>3.81                           | 36158*         | 2-36158-1       |         |            |
| 8<br>M4                                           | .343                                    |                                                  |              | .281      | .685      | .859      | Blue                            | .170<br>4.32                           | 36158*         | 2-36158-1       |         |            |
|                                                   | 8.71                                    |                                                  |              | 7.14      | 17.40     | 21.82     | Blue                            | .170<br>4.32                           | 53941-1*       | 53941-2         |         |            |
| 8<br>M4                                           | .312                                    |                                                  |              | .250      | .654      | .813      | Blue                            | .150<br>3.81                           | 51864-1*       | 51864-5         |         |            |
|                                                   | 7.92                                    |                                                  |              | 6.35      | 16.61     | 20.65     | Blue                            | .150<br>3.81                           | 320560*        | 2-320560-1      |         |            |
| 8<br>M4                                           | .343                                    |                                                  |              | .281      | .685      | .859      | Blue                            | .150<br>3.81                           | 320560*        | 2-320560-1      |         |            |
|                                                   | 8.71                                    |                                                  |              | 7.14      | 17.40     | 21.82     | Blue                            | .170<br>4.32                           | 320565*        | 2-320565-1      |         |            |

\*Available in small packaging quantities.

<sup>1</sup>Heavy duty for extra mechanical strength.

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

PIDG

**Ring Tongue Terminals** (Continued)

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |             |             |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|---------------------------------------------------|-----------------------------------------|--------------|------------|-------------|-------------|-----------|---------------------------------|----------------------------------------|----------------|-----------------|
|                                                   |                                         |              | W          | C<br>Min.   | E<br>Max.   | L<br>Max. |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                            | 10           | .312       | .250        | .654        | .813      | Blue                            | .170                                   | 53942-1        | 53942-2         |
|                                                   |                                         |              | 7.92       | 6.35        | 16.61       | 20.65     |                                 | 4.32                                   |                |                 |
|                                                   |                                         |              | .312       | .281        | .685        | .844      | Blue                            | .150                                   | 51864-2*       | 51864-4         |
|                                                   |                                         |              | 7.92       | 7.14        | 17.40       | 21.44     |                                 | 3.81                                   |                |                 |
|                                                   |                                         |              | .343       | .281        | .685        | .859      | Blue                            | .150                                   | 320574*        | 2-320574-2      |
|                                                   |                                         | 8.71         | 7.14       | 17.40       | 21.82       |           | 3.81                            |                                        |                |                 |
|                                                   |                                         | .343         | .281       | .685        | .859        | Blue      | .170                            | 36160*                                 | 2-36160-1      |                 |
|                                                   |                                         | 8.71         | 7.14       | 17.40       | 21.82       |           | 4.32                            |                                        |                |                 |
|                                                   |                                         | .469         | .437       | .841        | 1.078       | Blue      | .170                            | 324533                                 | 2-324533-2     |                 |
|                                                   |                                         | 11.91        | 11.10      | 21.36       | 27.38       |           | 4.32                            |                                        |                |                 |
|                                                   |                                         | 12           | .469       | .437        | .841        | 1.078     | Blue                            | .170                                   | 324086         | 2-324086-1      |
|                                                   |                                         | 11.91        | 11.10      | 21.36       | 27.38       |           | 4.32                            |                                        |                |                 |
|                                                   |                                         | 14           | .468       | .312        | .716        | .953      | Blue                            | .170                                   | 35274          | —               |
|                                                   |                                         | 11.89        | 7.92       | 18.19       | 24.21       |           | 4.32                            |                                        |                |                 |
|                                                   |                                         | 1/4<br>M6    | .469       | .437        | .841        | 1.078     | Blue                            | .150                                   | 320563*        | 2-320563-2      |
|                                                   |                                         | 11.91        | 11.10      | 21.36       | 27.38       |           | 3.81                            |                                        |                |                 |
|                                                   |                                         | .469         | .437       | .841        | 1.078       | Blue      | .170                            | 321045*                                | 2-321045-1     |                 |
|                                                   |                                         | 11.91        | 11.10      | 21.36       | 27.38       |           | 4.32                            |                                        |                |                 |
|                                                   |                                         | .469         | .437       | .841        | 1.078       | Black     | .170                            | 325034                                 | 2-325034-1     |                 |
|                                                   |                                         | 11.91        | 11.10      | 21.36       | 27.38       |           | 4.32                            |                                        |                |                 |
| 5/16<br>M8                                        | .469                                    | .437         | .841       | 1.078       | Blue        | .150      | 320575*                         | 2-320575-1                             |                |                 |
| 11.91                                             | 11.10                                   | 21.36        | 27.38      |             | 3.81        |           |                                 |                                        |                |                 |
| .469                                              | .437                                    | .841         | 1.078      | Blue        | .170        | 328998*   | 2-328998-1                      |                                        |                |                 |
| 11.91                                             | 11.10                                   | 21.36        | 27.38      |             | 4.32        |           |                                 |                                        |                |                 |
| 3/8                                               | .531                                    | .546         | .950       | 1.218       | Blue        | .150      | 320564*                         | 2-320564-3                             |                |                 |
| 13.49                                             | 13.87                                   | 24.13        | 30.94      |             | 3.81        |           |                                 |                                        |                |                 |
| .531                                              | .546                                    | .950         | 1.218      | Blue        | .170        | 328999*   | 2-328999-1                      |                                        |                |                 |
| 13.49                                             | 13.87                                   | 24.13        | 30.94      |             | 4.32        |           |                                 |                                        |                |                 |
| 1/2<br>M12                                        | .713                                    | .530         | .934       | 1.293       | Blue        | .150      | 328976                          | —                                      |                |                 |
| 18.11                                             | 13.46                                   | 23.72        | 32.84      |             | 3.81        |           |                                 |                                        |                |                 |
| .713                                              | .530                                    | .934         | 1.293      | Blue        | .170        | 328849*   | —                               |                                        |                |                 |
| 18.11                                             | 13.46                                   | 23.72        | 32.84      |             | 4.32        |           |                                 |                                        |                |                 |
| 4                                                 | .281                                    | .219         | .810       | .953        | Yellow/Blk. | .230      | 33734                           | —                                      |                |                 |
| 7.14                                              | 5.56                                    | 20.57        | 24.21      |             | 5.84        |           |                                 |                                        |                |                 |
| .281                                              | .219                                    | .810         | .953       | Yellow/Blk. | .230        | 320631*   | 2-320631-1                      |                                        |                |                 |
| 7.14                                              | 5.56                                    | 20.57        | 24.21      |             | 5.84        |           |                                 |                                        |                |                 |
| 6<br>M3.5                                         | .281                                    | .219         | .810       | .953        | Yellow/Blk. | .250      | 35634*                          | —                                      |                |                 |
| 7.14                                              | 5.56                                    | 20.57        | 24.21      |             | 6.35        |           |                                 |                                        |                |                 |
| .343                                              | .281                                    | .872         | 1.046      | Yellow/Blk. | .230        | 33724     | —                               |                                        |                |                 |
| 8.71                                              | 7.14                                    | 22.15        | 26.57      |             | 5.84        |           |                                 |                                        |                |                 |
| .343                                              | .281                                    | .872         | 1.046      | Yellow/Blk. | .230        | 320627*   | 1-320627-0                      |                                        |                |                 |
| 8.71                                              | 7.14                                    | 22.15        | 26.57      |             | 5.84        |           |                                 |                                        |                |                 |
| .343                                              | .281                                    | .872         | 1.046      | Yellow/Blk. | .250        | 35106*    | 2-35106-1                       |                                        |                |                 |
| 8.71                                              | 7.14                                    | 22.15        | 26.57      |             | 6.35        |           |                                 |                                        |                |                 |
| .343                                              | .281                                    | .872         | 1.046      | Yellow/Blk. | .230        | 320630*   | 2-320630-2                      |                                        |                |                 |
| 8.71                                              | 7.14                                    | 22.15        | 26.57      |             | 5.84        |           |                                 |                                        |                |                 |
| .343                                              | .281                                    | .872         | 1.046      | Yellow/Blk. | .250        | 34805*    | 2-34805-1                       |                                        |                |                 |
| 8.71                                              | 7.14                                    | 22.15        | 26.57      |             | 6.35        |           |                                 |                                        |                |                 |
| .500                                              | .344                                    | 1.179        | 1.432      | Yellow/Blk. | .220        | 329391    | —                               |                                        |                |                 |
| 12.70                                             | 8.74                                    | 29.95        | 36.37      |             | 5.59        |           |                                 |                                        |                |                 |
| .500                                              | .344                                    | .935         | 1.188      | Yellow/Blk. | .230        | 34974*    | 2-34974-1                       |                                        |                |                 |
| 12.70                                             | 8.74                                    | 23.75        | 30.18      |             | 5.84        |           |                                 |                                        |                |                 |
| .500                                              | .344                                    | .935         | 1.188      | Yellow/Blk. | .250        | 323682    | 2-323682-1                      |                                        |                |                 |
| 12.70                                             | 8.74                                    | 23.75        | 30.18      |             | 6.35        |           |                                 |                                        |                |                 |
| 1/4<br>M6                                         | .531                                    | .437         | 1.028      | 1.296       | Yellow/Blk. | .230      | 327743                          | 1-327743-1                             |                |                 |
| 13.49                                             | 11.10                                   | 26.11        | 32.92      |             | 5.84        |           |                                 |                                        |                |                 |
| .531                                              | .437                                    | 1.028        | 1.296      | Yellow/Blk. | .250        | 34806*    | 2-34806-3                       |                                        |                |                 |
| 13.49                                             | 11.10                                   | 26.11        | 32.92      |             | 6.35        |           |                                 |                                        |                |                 |
| .531                                              | .437                                    | 1.028        | 1.296      | Blue        | .250        | —         | 2-34806-2                       |                                        |                |                 |
| 13.49                                             | 11.10                                   | 26.11        | 32.92      |             | 6.35        |           |                                 |                                        |                |                 |
| 5/16<br>M8                                        | .531                                    | .437         | 1.028      | 1.296       | Yellow/Blk. | .250      | 34810                           | 1-34810-1                              |                |                 |
| 13.49                                             | 11.10                                   | 26.11        | 32.92      |             | 6.35        |           |                                 |                                        |                |                 |

\*Available in small packaging quantities.  
 †Heavy duty for extra mechanical strength.

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

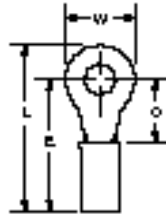


**PIDG (Pre-Insulated Diamond Grip)** (Continued)

PIDG

**Ring Tongue Terminals**

(Continued)



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545 except where noted.

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ]  | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size                         | Dimensions   |           |           |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |         |            |
|----------------------------------------------------|-----------------------------------------|--------------------------------------|--------------|-----------|-----------|-----------|---------------------------------|----------------------------------------|----------------|-----------------|---------|------------|
|                                                    |                                         |                                      | W            | C<br>Min. | E<br>Max. | L<br>Max. |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |         |            |
| 16-14HD <sup>1</sup><br>2,050-5,180<br>[1.04-2.62] | .050<br>1.27                            | 3/8                                  | .531         | .437      | 1.028     | 1.296     | Yellow/Blk.                     | .230                                   | 330896         | —               |         |            |
|                                                    |                                         |                                      | 13.49        | 11.10     | 26.11     | 32.92     |                                 | 5.84                                   |                |                 |         |            |
|                                                    |                                         | 1/2                                  | .750         | .625      | 1.216     | 1.594     | Yellow/Blk.                     | .250                                   | 35316*         | —               |         |            |
|                                                    |                                         |                                      | 19.05        | 15.88     | 30.89     | 40.49     |                                 | 6.35                                   |                |                 |         |            |
|                                                    |                                         | M12                                  | 1.250        | 1.000     | 1.591     | 2.219     | Yellow/Blk.                     | .250                                   | 36203          | —               |         |            |
|                                                    |                                         |                                      | 31.75        | 25.40     | 40.41     | 56.36     |                                 | 6.35                                   |                |                 |         |            |
|                                                    |                                         | 3/4                                  | 1.250        | 1.000     | 1.591     | 2.219     | Yellow/Blk.                     | .250                                   | 322724         | —               |         |            |
|                                                    |                                         |                                      | 31.75        | 25.40     | 40.41     | 56.36     |                                 | 6.35                                   |                |                 |         |            |
|                                                    |                                         | 12-10<br>5,180-13,100<br>[2.62-6.64] | .042<br>1.07 | 4         | .281      | .219      | .810                            | .953                                   | Yellow         | .250            | 35148*  | 1-35148-1  |
|                                                    |                                         |                                      |              |           | 7.14      | 5.56      | 20.57                           | 24.21                                  |                | 6.35            |         |            |
|                                                    |                                         |                                      |              | 6<br>M3.5 | .281      | .219      | .810                            | .953                                   | Yellow         | .230            | 320634* | 2-320634-1 |
|                                                    |                                         |                                      |              |           | 7.14      | 5.56      | 20.57                           | 24.21                                  |                | 5.84            |         |            |
| .281                                               | .219                                    |                                      |              |           | .810      | .953      | Yellow                          | .250                                   | 35149*         | 2-35149-1       |         |            |
| 7.14                                               | 5.56                                    |                                      |              |           | 20.57     | 24.21     |                                 | 6.35                                   |                |                 |         |            |
| .312                                               | .302                                    |                                      |              |           | .893      | 1.052     | Yellow                          | .230                                   | 326886         | 326886-1        |         |            |
| 7.92                                               | 7.67                                    |                                      |              |           | 22.68     | 26.72     |                                 | 5.84                                   |                |                 |         |            |
| .375                                               | .302                                    |                                      |              | .893      | 1.083     | Yellow    | .230                            | 320567*                                | 2-320567-2     |                 |         |            |
| 9.53                                               | 7.67                                    |                                      |              | 22.68     | 27.51     |           | 5.84                            |                                        |                |                 |         |            |
| .375                                               | .302                                    |                                      |              | .893      | 1.083     | Yellow    | .250                            | 35107*                                 | 2-35107-1      |                 |         |            |
| 9.53                                               | 7.67                                    |                                      |              | 22.68     | 27.51     |           | 6.35                            |                                        |                |                 |         |            |
| 8<br>M4                                            | .312                                    |                                      |              | .281      | .872      | 1.031     | Yellow                          | .230                                   | 35787*         | 1-35787-0       |         |            |
|                                                    | 7.92                                    |                                      |              | 7.14      | 22.15     | 26.19     |                                 | 5.84                                   |                |                 |         |            |
|                                                    | .312                                    |                                      |              | .302      | .893      | 1.052     | Yellow                          | .230                                   | 324915*        | —               |         |            |
|                                                    | 7.92                                    |                                      |              | 7.67      | 22.68     | 26.72     |                                 | 5.84                                   |                |                 |         |            |
|                                                    | .375                                    |                                      |              | .302      | .893      | 1.083     | Yellow                          | .230                                   | 320568*        | 2-320568-1      |         |            |
|                                                    | 9.53                                    |                                      |              | 7.67      | 22.68     | 27.51     |                                 | 5.84                                   |                |                 |         |            |
| .375                                               | .302                                    |                                      |              | .893      | 1.083     | Yellow    | .250                            | 35108*                                 | 2-35108-1      |                 |         |            |
| 9.53                                               | 7.67                                    |                                      |              | 22.68     | 27.51     |           | 6.35                            |                                        |                |                 |         |            |
| 10                                                 | .312                                    |                                      |              | .302      | .893      | 1.052     | Yellow                          | .230                                   | 324918*        | 1-324918-0      |         |            |
|                                                    | 7.92                                    |                                      |              | 7.67      | 22.68     | 26.72     |                                 | 5.84                                   |                |                 |         |            |
|                                                    | .343                                    |                                      |              | .281      | .872      | 1.046     | Yellow                          | .230                                   | 32883*         | 1-32883-0       |         |            |
|                                                    | 8.71                                    |                                      |              | 7.14      | 22.15     | 26.57     |                                 | 5.84                                   |                |                 |         |            |
|                                                    | .375                                    | .302                                 | .893         | 1.083     | Yellow    | .230      | 36161*                          | 2-36161-2                              |                |                 |         |            |
|                                                    | 9.53                                    | 7.67                                 | 22.68        | 27.51     |           | 5.84      |                                 |                                        |                |                 |         |            |
| .375                                               | .302                                    | .893                                 | 1.083        | Yellow    | .250      | 35109*    | 2-35109-1                       |                                        |                |                 |         |            |
| 9.53                                               | 7.67                                    | 22.68                                | 27.51        |           | 6.35      |           |                                 |                                        |                |                 |         |            |
| 1/4<br>M6                                          | .500                                    | .344                                 | .935         | 1.188     | Yellow    | .230      | 2-323762-1                      | 2-323762-3                             |                |                 |         |            |
|                                                    | 12.70                                   | 8.74                                 | 23.75        | 30.18     |           | 5.84      |                                 |                                        |                |                 |         |            |
|                                                    | .500                                    | .344                                 | 1.179        | 1.432     | Yellow    | .220      | 329389                          | —                                      |                |                 |         |            |
|                                                    | 12.70                                   | 8.74                                 | 29.95        | 36.37     |           | 5.59      |                                 |                                        |                |                 |         |            |
|                                                    | .500                                    | .344                                 | .935         | 1.188     | Yellow    | .230      | 35273*                          | 2-35273-2                              |                |                 |         |            |
|                                                    | 12.70                                   | 8.74                                 | 23.75        | 30.18     |           | 5.84      |                                 |                                        |                |                 |         |            |
| .531                                               | .468                                    | 1.054                                | 1.322        | Yellow    | .230      | 320569*   | 2-320569-3                      |                                        |                |                 |         |            |
| 13.49                                              | 11.89                                   | 26.77                                | 33.58        |           | 5.84      |           |                                 |                                        |                |                 |         |            |
| .531                                               | .468                                    | 1.054                                | 1.322        | Yellow    | .230      | —         | 2-32545-4 <sup>2</sup>          |                                        |                |                 |         |            |
| 13.49                                              | 11.89                                   | 26.77                                | 33.58        |           | 5.84      |           |                                 |                                        |                |                 |         |            |
| .531                                               | .468                                    | 1.054                                | 1.322        | Yellow    | .250      | 35110*    | 2-35110-1                       |                                        |                |                 |         |            |
| 13.49                                              | 11.89                                   | 26.77                                | 33.58        |           | 6.35      |           |                                 |                                        |                |                 |         |            |

\*Available in small packaging quantities.  
<sup>1</sup>Heavy duty for extra mechanical strength.  
<sup>2</sup>Terminal body plating— Gold per MIL-G-45204 Type II over Nickel per QQ-N-290.  
<sup>3</sup>Terminal body plating— Nickel per QQ-N-290.  
**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.

**PIDG (Pre-Insulated Diamond Grip)** (Continued)**Ring Tongue  
Terminals** (Continued)

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions     |                |                |                | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                      |
|---------------------------------------------------|-----------------------------------------|--------------|----------------|----------------|----------------|----------------|---------------------------------|----------------------------------------|----------------|----------------------|
|                                                   |                                         |              | W              | C<br>Min.      | E<br>Max.      | L<br>Max.      |                                 |                                        | Loose<br>Piece | Tape<br>Mounted      |
| 12-10<br>5,180-13,100<br>[2.62-6.64]              | .042<br>1.07                            | M5           | .375<br>9.53   | .302<br>7.67   | .967<br>24.56  | 1.160<br>29.46 | Yellow                          | .300<br>7.62                           | —              | 55157-2 <sup>1</sup> |
|                                                   |                                         | 5/16<br>M8   | .531<br>13.49  | .468<br>11.89  | 1.054<br>26.77 | 1.322<br>33.58 | Yellow                          | .230<br>5.84                           | 320576*        | 2-320576-1           |
|                                                   |                                         |              | .531<br>13.49  | .468<br>11.89  | 1.054<br>26.77 | 1.322<br>33.58 | Yellow                          | .250<br>6.35                           | 35111*         | 2-35111-1            |
|                                                   |                                         | 3/8          | .593<br>15.06  | .531<br>13.49  | 1.115<br>28.32 | 1.414<br>35.92 | Yellow                          | .230<br>5.84                           | 320577*        | 2-320577-3           |
|                                                   |                                         |              | .593<br>15.06  | .531<br>13.49  | 1.115<br>28.32 | 1.414<br>35.92 | Yellow                          | .250<br>6.35                           | 35112*         | —                    |
|                                                   |                                         |              | .750<br>19.05  | .625<br>15.88  | 1.216<br>30.89 | 1.594<br>40.49 | Yellow                          | .250<br>6.35                           | 35150          | —                    |
|                                                   |                                         |              | .715<br>18.16  | .474<br>12.04  | 1.065<br>27.05 | 1.414<br>35.92 | Yellow                          | .230<br>5.84                           | 52077          | —                    |
|                                                   |                                         | 1/2<br>M12   | .715<br>18.16  | .560<br>14.22  | 1.151<br>29.24 | 1.511<br>38.38 | Yellow                          | .230<br>5.84                           | 331467         | —                    |
|                                                   |                                         |              | .750<br>19.05  | .625<br>15.88  | 1.216<br>30.89 | 1.594<br>40.49 | Yellow                          | .230<br>5.84                           | 323784         | —                    |
|                                                   |                                         |              | .750<br>19.05  | .625<br>15.88  | 1.216<br>30.89 | 1.594<br>40.49 | Yellow                          | .250<br>6.35                           | 35151*         | —                    |
|                                                   |                                         | 5/8<br>M16   | 1.250<br>31.75 | 1.000<br>25.40 | 1.591<br>40.41 | 2.219<br>56.36 | Yellow                          | .230<br>5.84                           | 324615         | —                    |

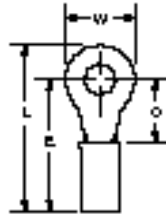
\*Available in small packaging quantities.

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.<sup>1</sup>Vinyl insulation material



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Ring Tongue Terminals (Vinyl)**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545 except where noted.

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ]  | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size     | Dimensions |           |           |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers           |                 |   |
|----------------------------------------------------|-----------------------------------------|------------------|------------|-----------|-----------|-----------|---------------------------------|----------------------------------------|------------------------|-----------------|---|
|                                                    |                                         |                  | W          | C<br>Min. | E<br>Max. | L<br>Max. |                                 |                                        | Loose<br>Piece         | Tape<br>Mounted |   |
| 22-16<br>509-3,260<br>[0.26-1.65]                  | .033<br>0.84                            | 6<br>M3.5        | .281       | .250      | .654      | .797      | Red                             | .140                                   | 31885                  | —               |   |
|                                                    |                                         |                  | 7.14       | 6.35      | 16.61     | 20.24     |                                 | .356                                   |                        |                 |   |
|                                                    |                                         | 8<br>M4          | .312       | .281      | .685      | .844      | Red                             | .125                                   | 31888                  | —               |   |
|                                                    |                                         |                  | 7.92       | 7.14      | 17.40     | 21.44     |                                 | 3.18                                   |                        |                 |   |
|                                                    |                                         |                  | .312       | .281      | .685      | .844      | Red                             | .125                                   | 2-31888-1 <sup>2</sup> | —               |   |
|                                                    |                                         |                  | 7.92       | 7.14      | 17.40     | 21.44     |                                 | 3.18                                   |                        |                 |   |
| 16-14<br>2,050-5,180<br>[1.04-2.62]                | .033<br>0.84                            | 10               | .281       | .250      | .654      | .797      | Red                             | .125                                   | 31884                  | —               |   |
|                                                    |                                         |                  | 7.14       | 6.35      | 16.61     | 20.24     |                                 | 3.18                                   |                        |                 |   |
|                                                    |                                         | 10               | .312       | .281      | .685      | .844      | Red                             | .140                                   | 31891                  | —               |   |
|                                                    |                                         |                  | 7.92       | 7.14      | 17.40     | 21.44     |                                 | 3.56                                   |                        |                 |   |
|                                                    |                                         |                  | .312       | .250      | .654      | .813      | Blue                            | .170                                   | —                      | 2-322238-1      |   |
|                                                    |                                         |                  | 7.92       | 6.35      | 16.61     | 20.65     |                                 | 4.32                                   |                        |                 |   |
| 16-14HD <sup>1</sup><br>2,050-5,180<br>[1.04-2.62] | .050<br>1.27                            | 10               | .312       | .281      | .685      | .844      | Blue                            | .150                                   | —                      | 51861-4         |   |
|                                                    |                                         |                  | 7.92       | 7.14      | 17.40     | 21.44     |                                 | 3.81                                   |                        |                 |   |
|                                                    |                                         | 1/4<br>M6        | .343       | .281      | .685      | .859      | Blue                            | .170                                   | 31903                  | —               |   |
|                                                    |                                         |                  | 8.71       | 7.14      | 17.40     | 21.82     |                                 | 4.32                                   |                        |                 |   |
|                                                    |                                         |                  | 1/2<br>M8  | .343      | .281      | .961      | 1.135                           | Yellow/Blk.                            | .300                   | 35363*          | — |
|                                                    |                                         |                  |            | 8.71      | 7.14      | 24.41     | 28.83                           |                                        | 7.62                   |                 |   |
| 12-10<br>5,180-13,100<br>[2.62-6.64]               | .042<br>1.07                            | 6<br>M3.5        | .531       | .437      | 1.117     | 1.385     | Yellow/Blk.                     | .300                                   | 35362*                 | —               |   |
|                                                    |                                         |                  | 13.49      | 11.10     | 28.37     | 35.18     |                                 | 7.62                                   |                        |                 |   |
|                                                    |                                         | 5/16<br>M8       | .531       | .437      | 1.117     | 1.385     | Yellow/Blk.                     | .300                                   | 35538                  | —               |   |
|                                                    |                                         |                  | 13.49      | 11.10     | 28.37     | 35.18     |                                 | 7.62                                   |                        |                 |   |
|                                                    |                                         | 1/2<br>M12       | 1.250      | 1.000     | 1.680     | 2.308     | Yellow/Blk.                     | .300                                   | 36485                  | —               |   |
|                                                    |                                         |                  | 31.75      | 25.40     | 42.67     | 58.62     |                                 | 7.62                                   |                        |                 |   |
| 12-10<br>5,180-13,100<br>[2.62-6.64]               | .042<br>1.07                            | 8<br>M4          | .375       | .302      | .982      | 1.172     | Yellow                          | .300                                   | 35604                  | —               |   |
|                                                    |                                         |                  | 9.53       | 7.67      | 24.94     | 29.77     |                                 | 7.62                                   |                        |                 |   |
|                                                    |                                         | 10               | .375       | .302      | .982      | 1.172     | Yellow                          | .300                                   | 35605*                 | 2-35605-2       |   |
|                                                    |                                         |                  | 9.53       | 7.67      | 24.94     | 29.77     |                                 | 7.62                                   |                        |                 |   |
|                                                    |                                         | 5mm <sup>3</sup> | .375       | .302      | .967      | 1.160     | Yellow                          | .300                                   | —                      | 55157-2         |   |
|                                                    |                                         |                  | 9.53       | 7.67      | 24.56     | 29.46     |                                 | 7.62                                   |                        |                 |   |
|                                                    |                                         | 1/4<br>M6        | .500       | .344      | 1.024     | 1.277     | Yellow                          | .300                                   | 323763                 | 2-323763-2      |   |
|                                                    |                                         |                  | 12.70      | 8.74      | 26.01     | 32.44     |                                 | 7.62                                   |                        |                 |   |
|                                                    |                                         | 5/16<br>M8       | .531       | .468      | 1.148     | 1.416     | Yellow                          | .300                                   | 35345*                 | 2-35345-1       |   |
|                                                    |                                         |                  | 13.49      | 11.89     | 29.16     | 35.97     |                                 | 7.62                                   |                        |                 |   |
|                                                    |                                         | 3/8              | .531       | .468      | 1.148     | 1.416     | Yellow                          | .300                                   | 35346*                 | 2-35346-1       |   |
|                                                    |                                         |                  | 13.49      | 11.89     | 29.16     | 35.97     |                                 | 7.62                                   |                        |                 |   |
| 3/8                                                | .593                                    | .531             | 1.211      | 1.510     | Yellow    | .300      | 35478                           | 1-35478-0                              |                        |                 |   |
|                                                    | 15.06                                   | 13.49            | 30.76      | 38.35     |           | 7.62      |                                 |                                        |                        |                 |   |

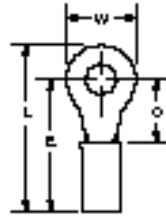
\*Available in small packaging quantities.  
<sup>1</sup>Heavy duty for extra mechanical strength.  
<sup>2</sup>Terminal body plating— Gold per MIL-G-45204 Type II over Nickel per QQ-N-290.  
<sup>3</sup>#10 stud may be substituted.  
**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.





**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Ring Tongue Terminals**  
(Insulation Restricting)



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545  
**Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Nickel per QQ-N-290 or Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

PIDG

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions    |               |                |                | Terminal<br>Insulation<br>Color<br>Solid/Stripe | Wire<br>Insulation<br>Diameter<br>Range | Part Numbers       |                      |
|--------------------------------------------------|-----------------------------------------|--------------|---------------|---------------|----------------|----------------|-------------------------------------------------|-----------------------------------------|--------------------|----------------------|
|                                                  |                                         |              | W             | C<br>Min.     | E<br>Max.      | L<br>Max.      |                                                 |                                         | Loose<br>Piece     | Tape<br>Mounted      |
| 26<br>304<br>[0.15]                              | .029<br>0.74                            | 2<br>M2      | .203<br>5.16  | .211<br>5.36  | .632<br>16.05  | .739<br>18.77  | Yellow/Black                                    | .026-.055<br>0.66-1.40                  | 53078 <sup>†</sup> | —                    |
|                                                  |                                         | 4            | .203<br>5.16  | .211<br>5.36  | .632<br>16.05  | .736<br>18.69  | Yellow/Black                                    | .026-.055<br>0.66-1.40                  | 53049 <sup>†</sup> | —                    |
|                                                  |                                         | 6<br>M3.5    | .250<br>6.35  | .243<br>6.17  | .664<br>16.87  | .792<br>20.12  | Yellow/Black                                    | .026-.055<br>0.66-1.40                  | 53050 <sup>†</sup> | —                    |
|                                                  |                                         | 8<br>M4      | .281<br>7.14  | .250<br>6.35  | .671<br>17.04  | .814<br>20.68  | Yellow/Black                                    | .026-.055<br>0.66-1.40                  | 53051 <sup>†</sup> | —                    |
|                                                  |                                         | 10           | .312<br>7.92  | .281<br>7.14  | .702<br>17.83  | .863<br>21.92  | Yellow/Black                                    | .026-.055<br>0.66-1.40                  | 53052 <sup>†</sup> | —                    |
| 24<br>475<br>[0.24]                              | .020<br>0.51                            | 4            | .203<br>5.16  | .211<br>5.36  | .587<br>14.91  | .691<br>17.55  | Yellow/Blue                                     | .031-.055<br>0.79-1.40                  | 2-323914-2         | —                    |
|                                                  |                                         | 6<br>M3.5    | .250<br>6.35  | .281<br>7.14  | .657<br>16.69  | .785<br>19.94  | Yellow/Blue                                     | .031-.055<br>0.79-1.40                  | 2-326875-4         | —                    |
|                                                  |                                         | 8<br>M4      | .250<br>6.35  | .281<br>7.14  | .657<br>16.69  | .785<br>19.94  | Yellow/Blue                                     | .031-.055<br>0.79-1.40                  | 2-323916-3         | —                    |
|                                                  |                                         | 10           | .250<br>6.35  | .281<br>7.14  | .657<br>16.69  | .785<br>19.94  | Yellow/Blue                                     | .031-.055<br>0.79-1.40                  | 2-326875-5         | —                    |
|                                                  |                                         | 2<br>M2      | .203<br>5.16  | .211<br>5.36  | .632<br>16.05  | .739<br>18.77  | Yellow/Blue                                     | .031-.055<br>0.79-1.40                  | 53053 <sup>†</sup> | —                    |
| 22<br>754<br>[0.38]                              | .029<br>0.74                            | 4            | .203<br>5.16  | .211<br>5.36  | .632<br>16.05  | .736<br>18.69  | Yellow/Blue                                     | .031-.055<br>0.79-1.40                  | 53054 <sup>†</sup> | —                    |
|                                                  |                                         | 6<br>M3.5    | .250<br>6.35  | .243<br>6.17  | .664<br>16.87  | .792<br>20.12  | Yellow/Blue                                     | .031-.055<br>0.79-1.40                  | 53055 <sup>†</sup> | 53055-1 <sup>†</sup> |
|                                                  |                                         | 8<br>M4      | .281<br>7.14  | .250<br>6.35  | .671<br>17.04  | .814<br>20.68  | Yellow/Blue                                     | .031-.055<br>0.79-1.40                  | 53056 <sup>†</sup> | —                    |
|                                                  |                                         | 10           | .312<br>7.92  | .281<br>7.14  | .702<br>17.83  | .860<br>21.84  | Yellow/Blue                                     | .031-.055<br>0.79-1.40                  | 53057 <sup>†</sup> | 53057-1 <sup>†</sup> |
|                                                  |                                         | 2<br>M2      | .182<br>4.62  | .172<br>4.37  | .638<br>16.21  | .731<br>18.57  | Red/Green                                       | .038-.110<br>0.97-2.79                  | 52307              | —                    |
| 22<br>754<br>[0.38]                              | .033<br>0.84                            | 4            | .218<br>5.54  | .156<br>3.96  | .622<br>15.80  | .734<br>18.64  | Red/Green                                       | .038-.110<br>0.97-2.79                  | 52273*             | —                    |
|                                                  |                                         | 6<br>M3.5    | .218<br>5.54  | .156<br>3.96  | .622<br>15.80  | .734<br>18.64  | Red/Green                                       | .038-.110<br>0.97-2.79                  | 2-36149-3*         | —                    |
|                                                  |                                         | 8<br>M4      | .250<br>6.35  | .250<br>6.35  | .716<br>18.19  | .844<br>21.44  | Red/Green                                       | .038-.110<br>0.97-2.79                  | 51863-2*           | 51863-5              |
|                                                  |                                         | 10           | .312<br>7.92  | .281<br>7.14  | .747<br>18.97  | .906<br>23.01  | Red/Green                                       | .038-.110<br>0.97-2.79                  | 1-320551-2*        | 1-320551-5           |
|                                                  |                                         | 1/4<br>M6    | .469<br>11.91 | .437<br>11.10 | .903<br>22.94  | 1.140<br>28.96 | Red/Green                                       | .038-.110<br>0.97-2.79                  | 2-320571-3         | —                    |
|                                                  |                                         | 5/16<br>M8   | .469<br>11.91 | .437<br>11.10 | .903<br>22.94  | 1.140<br>28.96 | Red/Green                                       | .038-.110<br>0.97-2.79                  | 2-320572-2         | —                    |
|                                                  |                                         | 3/8          | .531<br>13.49 | .546<br>13.87 | 1.012<br>25.70 | 1.280<br>32.51 | Red/Green                                       | .038-.110<br>0.97-2.79                  | 2-320573-1         | —                    |
|                                                  |                                         | 1/2<br>M12   | .713<br>18.11 | .530<br>13.46 | .996<br>25.30  | 1.355<br>34.42 | Red/Green                                       | .038-.110<br>0.97-2.79                  | 2-328975-1         | —                    |

\*Available in small packaging quantities.

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.

<sup>†</sup>Must be crimped with 22-18 or 22-16 PIDG (red) Tooling.

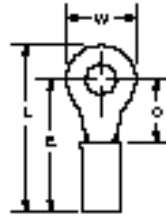


PIDG

**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Ring Tongue Terminals**  
(Insulation Restricting)

(Continued)



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545  
**Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Nickel per QQ-N-290 or Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size          | Dimensions    |               |                |                | Terminal<br>Insulation<br>Color<br>Solid/Stripe | Wire<br>Insulation<br>Diameter<br>Range | Part Numbers   |                        |             |            |
|--------------------------------------------------|-----------------------------------------|-----------------------|---------------|---------------|----------------|----------------|-------------------------------------------------|-----------------------------------------|----------------|------------------------|-------------|------------|
|                                                  |                                         |                       | W             | C<br>Min.     | E<br>Max.      | L<br>Max.      |                                                 |                                         | Loose<br>Piece | Tape<br>Mounted        |             |            |
| 20<br>1,186<br>[0.60]                            | .033<br>0.84                            | 2<br>M2               | .182<br>4.62  | .172<br>4.37  | .638<br>16.21  | .731<br>18.57  | Red/Red                                         | .046-.110<br>1.17-2.79                  | 52307-1        | —                      |             |            |
|                                                  |                                         | 4                     | .218<br>5.54  | .156<br>3.96  | .622<br>15.80  | .734<br>18.64  | Red/Red                                         | .046-.110<br>1.17-2.79                  | 52273-1*       | —                      |             |            |
|                                                  |                                         | 6<br>M3.5             | .218<br>5.54  | .156<br>3.96  | .622<br>15.80  | .734<br>18.64  | Red/Red                                         | .046-.110<br>1.17-2.79                  | 2-36149-4*     | —                      |             |            |
|                                                  |                                         |                       | .250<br>6.35  | .250<br>6.35  | .716<br>18.19  | .844<br>21.44  | Red/Red                                         | .046-.110<br>1.17-2.79                  | 51863-3        | 51863-6                |             |            |
|                                                  |                                         | 8<br>M4               | .312<br>7.92  | .281<br>7.14  | .747<br>18.97  | .906<br>23.01  | Red/Red                                         | .046-.110<br>1.17-2.79                  | 1-320551-3*    | 1-320551-7             |             |            |
|                                                  |                                         | 10                    | .312<br>7.92  | .281<br>7.14  | .747<br>18.97  | .906<br>23.01  | Red/Red                                         | .046-.110<br>1.17-2.79                  | 2-36153-4*     | —                      |             |            |
|                                                  |                                         | 1/4<br>M6             | .469<br>11.91 | .437<br>11.10 | .903<br>22.94  | 1.140<br>28.96 | Red/Red                                         | .046-.110<br>1.17-2.79                  | 2-320571-4     | —                      |             |            |
|                                                  |                                         | 5/16<br>M8            | .469<br>11.91 | .437<br>11.10 | .903<br>22.94  | 1.140<br>28.96 | Red/Red                                         | .046-.110<br>1.17-2.79                  | 2-320572-3     | —                      |             |            |
|                                                  |                                         | 3/8                   | .531<br>13.49 | .546<br>13.87 | 1.012<br>25.70 | 1.280<br>32.51 | Red/Red                                         | .046-.110<br>1.17-2.79                  | 2-320573-2     | —                      |             |            |
|                                                  |                                         | 1/2<br>M12            | .713<br>18.11 | .530<br>13.46 | .996<br>25.30  | 1.355<br>34.42 | Red/Red                                         | .046-.110<br>1.17-2.79                  | 2-328975-2     | —                      |             |            |
|                                                  |                                         | 18<br>1,900<br>[0.96] | .033<br>0.84  | 4             | .218<br>5.54   | .156<br>3.96   | .622<br>15.80                                   | .734<br>18.64                           | Red/White      | .056-.110<br>1.42-2.79 | 52273-2*    | —          |
|                                                  |                                         |                       |               | 6<br>M3.5     | .218<br>5.54   | .156<br>3.96   | .622<br>15.80                                   | .734<br>18.64                           | Red/White      | .056-.110<br>1.42-2.79 | 2-36149-5*  | —          |
| .250<br>6.35                                     | .250<br>6.35                            |                       |               |               | .716<br>18.19  | .844<br>21.44  | Red/White                                       | .056-.110<br>1.42-2.79                  | 51863-4*       | 51863-7                |             |            |
| 8<br>M4                                          | .312<br>7.92                            |                       |               | .281<br>7.14  | .747<br>18.97  | .906<br>23.01  | Red/White                                       | .056-.110<br>1.42-2.79                  | 1-320551-4*    | 1-320551-8             |             |            |
| 10                                               | .312<br>7.92                            |                       |               | .281<br>7.14  | .747<br>18.97  | .906<br>23.01  | Red/White                                       | .056-.110<br>1.42-2.79                  | 2-36153-5*     | 2-36153-9              |             |            |
| 1/4<br>M6                                        | .469<br>11.91                           |                       |               | .437<br>11.10 | .903<br>22.94  | 1.140<br>28.96 | Red/White                                       | .056-.110<br>1.42-2.79                  | 2-320571-5     | —                      |             |            |
| 5/16<br>M8                                       | .469<br>11.91                           |                       |               | .437<br>11.10 | .903<br>22.94  | 1.140<br>28.96 | Red/White                                       | .056-.110<br>1.42-2.79                  | 2-320572-4     | 2-320574-7             |             |            |
| 3/8                                              | .531<br>13.49                           |                       |               | .546<br>13.87 | 1.012<br>25.70 | 1.280<br>32.51 | Red/White                                       | .056-.110<br>1.42-2.79                  | 2-320573-3     | —                      |             |            |
| 1/2<br>M12                                       | .713<br>18.11                           |                       |               | .530<br>13.46 | .996<br>25.30  | 1.355<br>34.42 | Red/White                                       | .056-.110<br>1.42-2.79                  | 2-328975-3     | —                      |             |            |
| 16<br>2,800<br>[1.42]                            | .033<br>0.84                            |                       |               | 4             | .250<br>6.35   | .171<br>4.34   | .637<br>16.18                                   | .765<br>19.43                           | Blue/Blue      | .063-.130<br>1.60-3.30 | 52274       | —          |
|                                                  |                                         |                       |               | 6<br>M3.5     | .250<br>6.35   | .171<br>4.34   | .637<br>16.18                                   | .765<br>19.43                           | Blue/Blue      | .063-.130<br>1.60-3.30 | 2-320561-3* | 2-320561-5 |
|                                                  |                                         |                       |               |               | .312<br>7.92   | .281<br>7.14   | .747<br>18.97                                   | .906<br>23.01                           | Blue/Blue      | .063-.130<br>1.60-3.30 | 51864-6*    | 1-51864-2  |
|                                                  |                                         | 8<br>M4               | .312<br>7.92  | .281<br>7.14  | .747<br>18.97  | .906<br>23.01  | Blue/Blue                                       | .063-.130<br>1.60-3.30                  | 1-51864-0*     | 1-51864-6              |             |            |
|                                                  |                                         | 10                    | .312<br>7.92  | .281<br>7.14  | .747<br>18.97  | .906<br>23.01  | Blue/Blue                                       | .063-.130<br>1.60-3.30                  | 51864-7*       | —                      |             |            |
|                                                  |                                         | 1/4<br>M6             | .469<br>11.91 | .437<br>11.10 | .903<br>22.94  | 1.140<br>28.96 | Blue/Blue                                       | .063-.130<br>1.60-3.30                  | 2-320563-3     | —                      |             |            |
|                                                  |                                         | 5/16<br>M8            | .469<br>11.91 | .437<br>11.10 | .903<br>22.94  | 1.140<br>28.96 | Blue/Blue                                       | .063-.130<br>1.60-3.30                  | 2-320575-2     | —                      |             |            |
|                                                  |                                         | 3/8                   | .531<br>13.49 | .546<br>13.87 | 1.012<br>25.70 | 1.280<br>32.51 | Blue/Blue                                       | .063-.130<br>1.60-3.30                  | 2-320564-1     | —                      |             |            |
|                                                  |                                         | 1/2<br>M12            | .713<br>18.11 | .530<br>13.46 | .996<br>25.30  | 1.355<br>34.42 | Blue/Blue                                       | .063-.130<br>1.60-3.30                  | 2-328976-1     | —                      |             |            |

\*Available in small packaging quantities.

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

PIDG

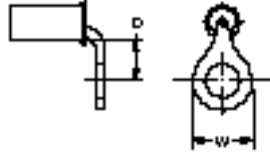
**Ring Tongue Terminals**  
(Insulation Restricting)

(Continued)

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size          | Dimensions    |               |                |                | Terminal<br>Insulation<br>Color<br>Solid/Stripe | Wire<br>Insulation<br>Diameter<br>Range | Part Numbers           |                        |             |           |
|--------------------------------------------------|-----------------------------------------|-----------------------|---------------|---------------|----------------|----------------|-------------------------------------------------|-----------------------------------------|------------------------|------------------------|-------------|-----------|
|                                                  |                                         |                       | W             | C<br>Min.     | E<br>Max.      | L<br>Max.      |                                                 |                                         | Loose<br>Piece         | Tape<br>Mounted        |             |           |
| 14<br>4,234<br>[2.15]                            | .033<br>0.84                            | 4                     | .250<br>6.35  | .171<br>4.34  | .637<br>16.18  | .765<br>19.43  | Blue/Green                                      | .078-.130<br>1.98-3.30                  | 52274-1                | —                      |             |           |
|                                                  |                                         | 6<br>M3.5             | .250<br>6.35  | .171<br>4.34  | .637<br>16.18  | .765<br>19.43  | Blue/Green                                      | .078-.130<br>1.98-3.30                  | 2-320561-4             | —                      |             |           |
|                                                  |                                         |                       | .312<br>7.92  | .281<br>7.14  | .747<br>18.97  | .906<br>23.01  | Blue/Green                                      | .078-.130<br>1.98-3.30                  | 51864-8*               | 1-51864-4              |             |           |
|                                                  |                                         | 8<br>M4               | .312<br>7.92  | .281<br>7.14  | .747<br>18.97  | .906<br>23.01  | Blue/Green                                      | .078-.130<br>1.98-3.30                  | 1-51864-1*             | 1-51864-7              |             |           |
|                                                  |                                         |                       | .312<br>7.92  | .281<br>7.14  | .747<br>18.97  | .906<br>23.01  | Blue/Green                                      | .078-.130<br>1.98-3.30                  | 51864-9*               | 1-51864-5              |             |           |
|                                                  |                                         | 1/4<br>M6             | .469<br>11.91 | .437<br>11.10 | .903<br>22.94  | 1.140<br>28.96 | Blue/Green                                      | .078-.130<br>1.98-3.30                  | 2-320563-4             | —                      |             |           |
|                                                  |                                         |                       | 5/16<br>M8    | .469<br>11.91 | .437<br>11.10  | .903<br>22.94  | 1.140<br>28.96                                  | Blue/Green                              | .078-.130<br>1.98-3.30 | 2-320575-3             | —           |           |
|                                                  |                                         | 3/8                   | .531<br>13.49 | .546<br>13.87 | 1.012<br>25.70 | 1.280<br>32.51 | Blue/Green                                      | .078-.130<br>1.98-3.30                  | 2-320564-2             | —                      |             |           |
|                                                  |                                         | 1/2<br>M12            | .713<br>18.11 | .530<br>13.46 | .996<br>25.30  | 1.355<br>34.42 | Blue/Green                                      | .078-.130<br>1.98-3.30                  | 2-328976-2             | —                      |             |           |
|                                                  |                                         | 12<br>6,654<br>[3.37] | .042<br>1.07  | 6<br>M3.5     | .375<br>9.53   | .302<br>7.67   | .958<br>24.33                                   | 1.148<br>29.16                          | Yellow/Yellow          | .095-.200<br>2.41-5.08 | 2-36161-5   | —         |
| 8<br>M4                                          | .375<br>9.53                            |                       |               | .302<br>7.67  | .958<br>24.33  | 1.148<br>29.16 | Yellow/Yellow                                   | .095-.200<br>2.41-5.08                  | 2-320568-2*            | —                      |             |           |
|                                                  | .375<br>9.53                            |                       |               | .302<br>7.67  | .958<br>24.33  | 1.148<br>29.16 | Yellow/Yellow                                   | .095-.200<br>2.41-5.08                  | 2-36161-3*             | —                      |             |           |
| 1/4<br>M6                                        | .531<br>13.49                           |                       |               | .468<br>11.89 | 1.124<br>28.55 | 1.392<br>35.36 | Yellow/Yellow                                   | .095-.200<br>2.41-5.08                  | 2-320569-5             | —                      |             |           |
|                                                  | 5/16<br>M8                              |                       |               | .531<br>13.49 | .468<br>11.89  | 1.124<br>28.55 | 1.392<br>35.36                                  | Yellow/Yellow                           | .095-.200<br>2.41-5.08 | 2-320576-2             | —           |           |
| 3/8                                              | .593<br>15.06                           |                       |               | .531<br>13.49 | 1.187<br>30.15 | 1.486<br>37.74 | Yellow/Yellow                                   | .095-.200<br>2.41-5.08                  | 2-320577-1             | —                      |             |           |
| 1/2<br>M12                                       | .715<br>18.16                           |                       |               | .474<br>12.04 | 1.130<br>28.70 | 1.490<br>37.85 | Yellow/Yellow                                   | .095-.200<br>2.41-5.08                  | 52077-1                | —                      |             |           |
| 10<br>12,066<br>[6.11]                           | .042<br>1.07                            |                       |               | 6<br>M3.5     | .375<br>9.53   | .302<br>7.67   | .958<br>24.33                                   | 1.148<br>29.16                          | Yellow/Brown           | .119-.200<br>3.02-5.08 | 2-36161-6   | 3-36161-0 |
|                                                  |                                         |                       |               | 8<br>M4       | .375<br>9.53   | .302<br>7.67   | .958<br>24.33                                   | 1.148<br>29.16                          | Yellow/Brown           | .119-.200<br>3.02-5.08 | 2-320568-3* | —         |
|                                                  |                                         |                       |               |               | .375<br>9.53   | .302<br>7.67   | .958<br>24.33                                   | 1.148<br>29.16                          | Yellow/Brown           | .119-.200<br>3.02-5.08 | 2-36161-4   | 2-36161-8 |
|                                                  |                                         | 1/4<br>M6             | .531<br>13.49 | .468<br>11.89 | 1.124<br>28.55 | 1.392<br>35.36 | Yellow/Brown                                    | .119-.200<br>3.02-5.08                  | 2-320569-6             | 2-320569-8             |             |           |
|                                                  |                                         |                       | 5/16<br>M8    | .531<br>13.49 | .468<br>11.89  | 1.124<br>28.55 | 1.392<br>35.36                                  | Yellow/Brown                            | .119-.200<br>3.02-5.08 | 2-320576-3             | —           |           |
|                                                  |                                         | 3/8                   | .593<br>15.06 | .531<br>13.49 | 1.187<br>30.15 | 1.486<br>37.74 | Yellow/Brown                                    | .119-.200<br>3.02-5.08                  | 2-320577-2             | —                      |             |           |
|                                                  |                                         | 1/2<br>M12            | .715<br>18.16 | .474<br>12.04 | 1.130<br>28.70 | 1.490<br>37.85 | Yellow/Brown                                    | .119-.200<br>3.02-5.08                  | 52077-2                | —                      |             |           |

\*Available in small packaging quantities.

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

**PIDG (Pre-Insulated Diamond Grip)** (Continued)**Ring Tongue Terminal  
90° Bend****Material**

**Insulation**—Vinyl, UL 94V-0  
**Terminal Body and Metallic Sleeve**—Copper per ASTM B-152  
**Plating**—Tin per ASTM B-545

**Related Product Data**

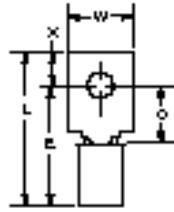
**Insulation Color Code**—pg. 4  
**Packaging Quantities**—pg. 4  
**Performance Specifications**—  
 pgs. 4 & 5  
**Application Tooling**—pg. 72

|       | Wire Size<br>Cicular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions   |              | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Number    |
|-------|-------------------------------------------------|-----------------------------------------|--------------|--------------|--------------|---------------------------------|----------------------------------------|----------------|
|       |                                                 |                                         |              | W            | D<br>Min.    |                                 |                                        | Loose<br>Piece |
| Vinyl | 22-16<br>509-3,260<br>[0.26-1.65]               | .033<br>0.84                            | 10           | .312<br>7.92 | .157<br>3.99 | Red                             | .140<br>3.56                           | 55148-1        |
| Nylon | 12-10<br>5,180-13,100<br>[2.62-6.64]            | .040<br>1.02                            | 6            | .375<br>9.53 | .206<br>5.23 | Yellow                          | .250<br>6.35                           | 696020-1       |



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Rectangular Tongue Terminals**



**Material**

**Insulation** — Nylon except where noted.  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152 except where noted.  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

PIDG

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size                      | Dimensions   |           |           |           |       | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |                      |   |
|--------------------------------------------------|-----------------------------------------|-----------------------------------|--------------|-----------|-----------|-----------|-------|---------------------------------|----------------------------------------|----------------|-----------------|----------------------|---|
|                                                  |                                         |                                   | W            | C<br>Min. | E<br>Max. | L<br>Max. | X     |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |                      |   |
| 26-22<br>202-810<br>[0.10-0.41]                  | .020<br>0.51                            | 2                                 | .182         | .211      | .542      | .647      | .100  | Yellow                          | .082<br>2.08                           | 321206*        | —               |                      |   |
|                                                  |                                         | M2                                | 4.62         | 5.36      | 13.77     | 16.43     | 2.54  |                                 |                                        |                |                 |                      |   |
|                                                  |                                         | 6                                 | M3.5         | .277      | .308      | .643      | .783  | .130                            | Yellow                                 | .082<br>2.08   | 330250          | —                    |   |
|                                                  |                                         |                                   |              | 7.04      | 7.82      | 16.33     | 19.89 | 3.30                            |                                        |                |                 |                      |   |
|                                                  |                                         | 22-16<br>509-3,260<br>[0.26-1.65] | .033<br>0.84 | 2         | .182      | .203      | .607  | .727                            | .115                                   | Red            | .125<br>3.18    | 325148               | — |
|                                                  |                                         |                                   |              | M2        | 4.62      | 5.16      | 15.42 | 18.47                           | 2.92                                   |                |                 |                      |   |
| 4                                                | M2                                      |                                   |              | .237      | .237      | .643      | .796  | .143                            | Red                                    | .140<br>3.56   | 2-327968-1      | —                    |   |
|                                                  |                                         |                                   |              | 6.02      | 6.02      | 16.33     | 20.22 | 3.63                            |                                        |                |                 |                      |   |
| 4                                                | M3                                      |                                   |              | .237      | .404      | .810      | 1.015 | .195                            | Red                                    | .140<br>3.56   | 327962          | —                    |   |
|                                                  |                                         |                                   |              | 6.02      | 10.26     | 20.57     | 25.78 | 4.95                            |                                        |                |                 |                      |   |
| 5                                                | M3                                      |                                   |              | .250      | .187      | .591      | .736  | .140                            | Red                                    | .140<br>3.56   | 55777-1         | —                    |   |
|                                                  |                                         |                                   |              | 6.35      | 4.75      | 15.01     | 18.69 | 3.56                            |                                        |                |                 |                      |   |
| 5                                                | M3                                      |                                   |              | .277      | .277      | .702      | .855  | .143                            | Red                                    | .140<br>3.56   | 2-327950-1      | —                    |   |
|                                                  |                                         |                                   |              | 7.04      | 7.04      | 17.83     | 21.72 | 3.63                            |                                        |                |                 |                      |   |
| 6                                                | M3.5                                    |                                   |              | .237      | .404      | .810      | 1.015 | .195                            | Red                                    | .140<br>3.56   | 2-327956-1      | —                    |   |
|                                                  |                                         |                                   |              | 6.02      | 10.26     | 20.57     | 25.78 | 4.95                            |                                        |                |                 |                      |   |
| 6                                                | M3.5                                    |                                   |              | .250      | .312      | .716      | .846  | .125                            | Red                                    | .125<br>3.18   | 320629          | 2-320629-1           |   |
|                                                  |                                         |                                   |              | 6.35      | 7.92      | 18.19     | 21.49 | 3.18                            |                                        |                |                 |                      |   |
| 6                                                | M3.5                                    |                                   |              | .250      | .312      | .716      | .846  | .125                            | Red                                    | .140<br>3.56   | 33476*          | 2-33476-1            |   |
|                                                  |                                         |                                   |              | 6.35      | 7.92      | 18.19     | 21.49 | 3.18                            |                                        |                |                 |                      |   |
| 6                                                | M3.5                                    |                                   |              | .302      | .465      | .872      | 1.109 | .227                            | Red                                    | .140<br>3.56   | 2-327938-1      | 2-327938-2           |   |
|                                                  |                                         |                                   |              | 7.67      | 11.81     | 22.15     | 28.17 | 5.77                            |                                        |                |                 |                      |   |
| 8                                                | M4                                      | .302                              | .465         | .872      | 1.109     | .227      | Red   | .140<br>3.56                    | 327944*                                | 2-327944-2     |                 |                      |   |
|                                                  |                                         | 7.67                              | 11.81        | 22.15     | 28.17     | 5.77      |       |                                 |                                        |                |                 |                      |   |
| 8                                                | M4                                      | .390                              | .621         | 1.039     | 1.359     | .310      | Red   | .140<br>3.56                    | 327932                                 | —              |                 |                      |   |
|                                                  |                                         | 9.91                              | 15.77        | 26.39     | 34.52     | 7.87      |       |                                 |                                        |                |                 |                      |   |
| 10                                               | M4                                      | .312                              | .281         | .685      | .893      | .203      | Red   | .140<br>3.56                    | 320209*                                | —              |                 |                      |   |
|                                                  |                                         | 7.92                              | 7.14         | 17.40     | 22.68     | 5.16      |       |                                 |                                        |                |                 |                      |   |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | .033<br>0.84                            | 4                                 | .237         | .237      | .643      | .796      | .143  | Blue                            | .150<br>3.81                           | 2-327970-4     | —               |                      |   |
|                                                  |                                         |                                   | 6.02         | 6.02      | 16.33     | 20.22     | 3.63  |                                 |                                        |                |                 |                      |   |
|                                                  |                                         | 4                                 | M3           | .237      | .404      | .810      | 1.015 | .195                            | Blue                                   | .150<br>3.81   | 2-327964-4      | —                    |   |
|                                                  |                                         |                                   |              | 6.02      | 10.26     | 20.57     | 25.78 | 4.95                            |                                        |                |                 |                      |   |
|                                                  |                                         | 5                                 | M3           | .244      | .312      | .716      | .856  | .125                            | Blue                                   | .150<br>3.81   | —               | 55694-1 <sup>1</sup> |   |
|                                                  |                                         |                                   |              | 6.20      | 7.92      | 18.19     | 21.74 | 3.18                            |                                        |                |                 |                      |   |
| 5                                                | M3                                      | .277                              | .277         | .702      | .855      | .143      | Blue  | .150<br>3.81                    | 2-327952-2                             | —              |                 |                      |   |
|                                                  |                                         | 7.04                              | 7.04         | 17.83     | 21.72     | 3.63      |       |                                 |                                        |                |                 |                      |   |

\*Available in small packaging quantities.

<sup>1</sup>Insulation—Vinyl

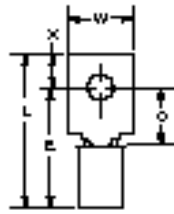
<sup>2</sup>Terminal Body— Brass per MIL-C-50.

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Rectangular Tongue Terminals** (Continued)



**Material**

**Insulation** — Nylon except where noted.  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions     |                |                |                |                | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |            |
|---------------------------------------------------|-----------------------------------------|--------------|----------------|----------------|----------------|----------------|----------------|---------------------------------|----------------------------------------|----------------|-----------------|------------|
|                                                   |                                         |              | W              | C<br>Min.      | E<br>Max.      | L<br>Max.      | X              |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |            |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                            | 6<br>M3.5    | .237<br>6.02   | .404<br>10.26  | .810<br>20.57  | 1.015<br>25.78 | .195<br>4.95   | Blue                            | .150<br>3.81                           | 2-327958-4     | —               |            |
|                                                   |                                         |              | .237<br>6.02   | .404<br>10.26  | .810<br>20.57  | 1.015<br>25.78 | .195<br>4.95   | Blue                            | .170<br>4.32                           | 2-327958-1     | —               |            |
|                                                   |                                         |              | .244<br>6.20   | .312<br>7.92   | .716<br>18.19  | .856<br>21.74  | .125<br>3.18   | Blue                            | .150<br>3.81                           | 33172          | —               |            |
|                                                   |                                         |              | .244<br>6.20   | .312<br>7.92   | .716<br>18.19  | .856<br>21.74  | .125<br>3.18   | Blue                            | .170<br>4.32                           | 33173*         | —               |            |
|                                                   |                                         |              | .296<br>7.52   | .203<br>5.16   | .607<br>15.42  | .752<br>19.10  | .140<br>3.56   | Blue                            | .150<br>3.81                           | 33168          | —               |            |
|                                                   |                                         |              | .302<br>7.67   | .465<br>11.81  | .872<br>22.15  | 1.109<br>28.17 | .227<br>5.77   | Blue                            | .150<br>3.81                           | 2-327940-4     | —               |            |
|                                                   |                                         | 8<br>M4      | .244<br>6.20   | .312<br>7.92   | .716<br>18.19  | .856<br>21.74  | .125<br>3.18   | Blue                            | .170<br>4.32                           | 35279          | —               |            |
|                                                   |                                         |              | .296<br>7.52   | .343<br>8.71   | .747<br>18.97  | .939<br>23.85  | .187<br>4.75   | Blue                            | .170<br>4.32                           | 321283*        | —               |            |
|                                                   |                                         |              | .302<br>7.67   | .465<br>11.81  | .872<br>22.15  | 1.109<br>28.17 | .227<br>5.77   | Blue                            | .150<br>3.81                           | 2-327946-4     | —               |            |
|                                                   |                                         |              | .390<br>9.91   | .621<br>15.77  | 1.039<br>26.39 | 1.359<br>34.52 | .310<br>7.87   | Blue                            | .150<br>3.81                           | 2-327934-2     | —               |            |
|                                                   |                                         |              | 10             | .312<br>7.92   | .281<br>7.14   | .685<br>17.40  | .940<br>23.88  | .250<br>6.35                    | Blue                                   | .170<br>4.32   | 324603          | —          |
|                                                   |                                         |              |                | 4              | .237<br>6.02   | .237<br>6.02   | .831<br>21.11  | .984<br>24.99                   | .143<br>3.63                           | Yellow         | .230<br>5.84    | 327972     |
|                                                   |                                         | .237<br>6.02 | .404<br>10.26  |                | .998<br>25.35  | 1.203<br>30.56 | .195<br>4.95   | Yellow                          | .230<br>5.84                           | 327966         | —               |            |
|                                                   |                                         | 5<br>M3      | .277<br>7.04   |                | .277<br>7.04   | .889<br>22.58  | 1.042<br>26.47 | .143<br>3.63                    | Yellow                                 | .230<br>5.84   | 327954          | 2-327954-2 |
|                                                   |                                         |              | .237<br>6.02   |                | .404<br>10.26  | .998<br>25.35  | 1.203<br>30.56 | .195<br>4.95                    | Yellow                                 | .230<br>5.84   | 2-327960-1      | 2-327960-2 |
|                                                   |                                         | 6<br>M3.5    | .250<br>6.35   |                | .302<br>7.67   | .893<br>22.68  | 1.085<br>27.56 | .187<br>4.75                    | Yellow                                 | .230<br>5.84   | 329697          | —          |
|                                                   |                                         |              | .290<br>7.37   |                | .218<br>5.54   | .809<br>20.55  | .954<br>24.23  | .140<br>3.56                    | Yellow                                 | .230<br>5.84   | 34512           | —          |
|                                                   |                                         | 8<br>M4      | .302<br>7.67   | .465<br>11.81  | 1.044<br>26.52 | 1.281<br>32.54 | .227<br>5.77   | Yellow                          | .230<br>5.84                           | 327942         | —               |            |
| .302<br>7.67                                      | .465<br>11.81                           |              | 1.044<br>26.52 | 1.281<br>32.54 | .227<br>5.77   | Yellow         | .230<br>5.84   | 327948                          | —                                      |                |                 |            |
| .302<br>7.67                                      | .465<br>11.81                           |              | 1.077<br>27.36 | 1.247<br>31.67 | .160<br>4.06   | Yellow         | .230<br>5.84   | 331268                          | 2-331268-1                             |                |                 |            |
| .390<br>9.91                                      | .621<br>15.77                           |              | 1.211<br>30.76 | 1.531<br>38.89 | .310<br>7.87   | Yellow         | .230<br>5.84   | 327936                          | —                                      |                |                 |            |

\*Available in small packaging quantities.

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.

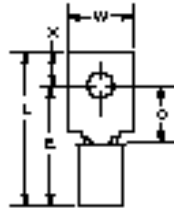


**PIDG (Pre-Insulated Diamond Grip)** (Continued)

PIDG

**Rectangular Tongue Terminals**

(Insulation Restricting)



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545  
**Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Nickel per QQ-N-290

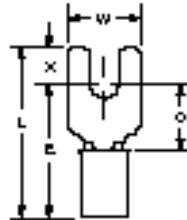
**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions   |               |                |                |              | Terminal<br>Insulation<br>Color<br>Solid/Stripe | Wire<br>Insulation<br>Diameter<br>Range | Part Numbers   |  |
|---------------------------------------------------|-----------------------------------------|--------------|--------------|---------------|----------------|----------------|--------------|-------------------------------------------------|-----------------------------------------|----------------|--|
|                                                   |                                         |              | W            | C<br>Min.     | E<br>Max.      | L<br>Max.      | X            |                                                 |                                         | Loose<br>Piece |  |
| 24<br>475<br>[0.24]                               | .020<br>0.51                            | 6<br>M3.5    | .312<br>7.92 | .308<br>7.82  | .683<br>17.35  | .875<br>22.23  | .187<br>4.75 | Yellow/Blue                                     | .031-.055<br>0.79-1.40                  | 2-326876-2     |  |
| 10<br>12,066<br>[6.11]                            | .042<br>1.07                            | 5<br>M3      | .277<br>7.04 | .277<br>7.04  | .934<br>23.72  | 1.087<br>27.61 | .143<br>3.63 | Yellow/Brown                                    | .119-.200<br>3.02-5.08                  | 53912-2        |  |
|                                                   |                                         | 8<br>M4      | .390<br>9.91 | .621<br>15.77 | 1.276<br>32.41 | 1.596<br>40.54 | .310<br>7.87 | Yellow/Brown                                    | .119-.200<br>3.02-5.08                  | 53914-2        |  |

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

**Spade Tongue Terminals**



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions    |               |               |               |              | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|---------------------------------------------------|-----------------------------------------|--------------|---------------|---------------|---------------|---------------|--------------|---------------------------------|----------------------------------------|----------------|-----------------|
|                                                   |                                         |              | W             | C<br>Min.     | E<br>Max.     | L<br>Max.     | X            |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |
| 26-24<br>238-475<br>[0.12-0.24]                   | .029<br>0.74                            | 6<br>M3.5    | .250<br>6.35  | .211<br>5.36  | .632<br>16.05 | .709<br>18.01 | .072<br>1.83 | Yellow                          | .095<br>2.41                           | —              | 53115-2         |
| 26-22<br>202-810<br>[0.10-0.41]                   | .020<br>0.51                            | 0            | .125<br>3.18  | .078<br>1.98  | .409<br>10.39 | .476<br>12.09 | .062<br>1.57 | Yellow                          | .082<br>2.08                           | 322001         | —               |
|                                                   |                                         | 4            | .203<br>5.16  | .211<br>5.36  | .542<br>13.77 | .627<br>15.93 | .076<br>1.93 | Yellow                          | .082<br>2.08                           | 321035*        | 2-321035-1      |
| 22-16<br>509-3,260<br>[0.26-1.65]                 | .033<br>0.84                            | 2<br>M2      | .182<br>4.62  | .203<br>5.16  | .607<br>15.42 | .727<br>18.47 | .115<br>2.92 | Red                             | .140<br>3.56                           | 328394*        | 2-328394-1      |
|                                                   |                                         | 4            | .218<br>5.54  | .156<br>3.96  | .560<br>14.22 | .674<br>17.12 | .109<br>2.77 | Red                             | .125<br>3.18                           | 1-327717-0     | —               |
|                                                   |                                         |              | .218<br>5.54  | .156<br>3.96  | .560<br>14.22 | .674<br>17.12 | .109<br>2.77 | Red                             | .140<br>3.56                           | 327717*        | 1-327717-2      |
|                                                   |                                         | 6<br>M3.5    | .250<br>6.35  | .312<br>7.92  | .716<br>18.19 | .846<br>21.49 | .125<br>3.18 | Red                             | .140<br>3.56                           | 34541*         | 2-34541-1       |
|                                                   |                                         |              | .297<br>7.54  | .203<br>5.16  | .607<br>15.42 | .753<br>19.13 | .141<br>3.58 | Red                             | .125<br>3.18                           | 34080*         | 2-34080-1       |
|                                                   |                                         |              | .297<br>7.54  | .203<br>5.16  | .607<br>15.42 | .753<br>19.13 | .141<br>3.58 | Red                             | .140<br>3.56                           | 326861*        | 2-326861-1      |
|                                                   |                                         | 8<br>M4      | .344<br>8.74  | .218<br>5.54  | .622<br>15.80 | .783<br>19.89 | .156<br>3.96 | Red                             | .125<br>3.18                           | 32403          | —               |
|                                                   |                                         |              | .344<br>8.74  | .218<br>5.54  | .622<br>15.80 | .783<br>19.89 | .156<br>3.96 | Red                             | .140<br>3.56                           | 32404          | 2-32404-1       |
|                                                   |                                         |              | .375<br>9.53  | .312<br>7.92  | .716<br>18.19 | .908<br>23.06 | .187<br>4.75 | Red                             | .125<br>3.18                           | 32050*         | 2-32050-1       |
|                                                   |                                         | 10           | .375<br>9.53  | .312<br>7.92  | .716<br>18.19 | .908<br>23.06 | .187<br>4.75 | Red                             | .140<br>3.56                           | 32053*         | 2-32053-1       |
| .375<br>9.53                                      | .312<br>7.92                            |              | .716<br>18.19 | .908<br>23.06 | .187<br>4.75  | Red           | .125<br>3.18 | 32051*                          | 2-32051-1                              |                |                 |
|                                                   |                                         |              | .375<br>9.53  | .312<br>7.92  | .716<br>18.19 | .908<br>23.06 | .187<br>4.75 | Red                             | .140<br>3.56                           | 32054*         | 2-32054-1       |

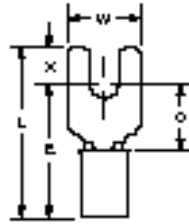
\*Available in small packaging quantities.

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Spade Tongue Terminals** (Continued)



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size                         | Dimensions   |              |               |                |                | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |           |            |
|---------------------------------------------------|-----------------------------------------|--------------------------------------|--------------|--------------|---------------|----------------|----------------|---------------------------------|----------------------------------------|----------------|-----------------|-----------|------------|
|                                                   |                                         |                                      | W            | C<br>Min.    | E<br>Max.     | L<br>Max.      | X              |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |           |            |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                            | 6<br>M3.5                            | .244<br>6.20 | .312<br>7.92 | .716<br>18.19 | .846<br>21.49  | .125<br>3.18   | Blue                            | .170<br>4.32                           | 328281*        | 1-328281-1      |           |            |
|                                                   |                                         |                                      | .297<br>7.54 | .203<br>5.16 | .607<br>15.42 | .753<br>19.13  | .141<br>3.58   | Blue                            | .170<br>4.32                           | 35559*         | 2-35559-1       |           |            |
|                                                   |                                         |                                      | .385<br>9.78 | .312<br>7.92 | .716<br>18.19 | .908<br>23.06  | .187<br>4.75   | Blue                            | .170<br>4.32                           | 32058*         | —               |           |            |
|                                                   |                                         | 8<br>M4                              | .297<br>7.54 | .203<br>5.16 | .607<br>15.42 | .753<br>19.13  | .141<br>3.58   | Blue                            | .170<br>4.32                           | 321233*        | 2-321233-1      |           |            |
|                                                   |                                         |                                      | .312<br>7.92 | .375<br>9.53 | .779<br>19.79 | 1.034<br>26.26 | .250<br>6.35   | Blue                            | .170<br>4.32                           | 325199         | —               |           |            |
|                                                   |                                         |                                      | .385<br>9.78 | .312<br>7.92 | .716<br>18.19 | .908<br>23.06  | .187<br>4.75   | Blue                            | .150<br>3.81                           | 32056*         | 2-32056-1       |           |            |
|                                                   |                                         |                                      | .385<br>9.78 | .312<br>7.92 | .716<br>18.19 | .908<br>23.06  | .187<br>4.75   | Blue                            | .170<br>4.32                           | 32059*         | 2-32059-1       |           |            |
|                                                   |                                         |                                      | 10           | .385<br>9.78 | .312<br>7.92  | .716<br>18.19  | .908<br>23.06  | .187<br>4.75                    | Blue                                   | .150<br>3.81   | 32057           | —         |            |
|                                                   |                                         |                                      |              | .385<br>9.78 | .312<br>7.92  | .716<br>18.19  | .908<br>23.06  | .187<br>4.75                    | Blue                                   | .170<br>4.32   | 32060*          | 2-32060-1 |            |
|                                                   |                                         | 12-10<br>5,180-13,100<br>[2.62-6.64] | .042<br>1.07 | 6<br>M3.5    | .290<br>7.37  | .218<br>5.54   | .809<br>20.55  | .954<br>24.23                   | .140<br>3.56                           | Yellow         | .230<br>5.84    | 322985*   | 1-322985-0 |
|                                                   |                                         |                                      |              |              | .312<br>7.92  | .296<br>7.52   | .887<br>22.53  | 1.095<br>27.81                  | .203<br>5.16                           | Yellow         | .230<br>5.84    | 326859*   | 2-326859-1 |
|                                                   |                                         |                                      |              | 8<br>M4      | .312<br>7.92  | .468<br>11.89  | 1.059<br>26.90 | 1.314<br>33.38                  | .250<br>6.35                           | Yellow         | .230<br>5.84    | 325197    | —          |
| .406<br>10.31                                     | .296<br>7.52                            |                                      |              |              | .887<br>22.53 | 1.095<br>27.81 | .203<br>5.16   | Yellow                          | .230<br>5.84                           | 32588*         | 2-32588-1       |           |            |
| 10                                                | .406<br>10.31                           |                                      |              | .296<br>7.52 | .887<br>22.53 | 1.095<br>27.81 | .203<br>5.16   | Yellow                          | .250<br>6.35                           | 35152*         | 2-35152-1       |           |            |
|                                                   | .406<br>10.31                           |                                      |              | .296<br>7.52 | .887<br>22.53 | 1.095<br>27.81 | .203<br>5.16   | Yellow                          | .230<br>5.84                           | 32589*         | 2-32589-1       |           |            |

\*Available in small packaging quantities.

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.

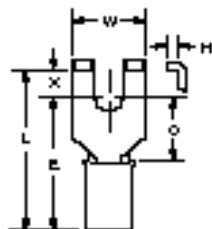




**PIDG (Pre-Insulated Diamond Grip)** (Continued)

PIDG

**Flanged Spade Tongue Terminals**



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size                        | Dimensions    |                |               |                |               |               | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|---------------------------------------------------|-----------------------------------------|-------------------------------------|---------------|----------------|---------------|----------------|---------------|---------------|---------------------------------|----------------------------------------|----------------|-----------------|
|                                                   |                                         |                                     | W             | C<br>Min.      | E<br>Max.     | L<br>Max.      | X             | H<br>Min.     |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |
| 26-22<br>202-810<br>[0.10-0.41]                   | .020<br>0.51                            | 2<br>M2                             | .182<br>4.62  | .203<br>5.16   | .534<br>13.56 | .649<br>16.48  | .110<br>2.79  | .026<br>0.66  | Yellow                          | .082<br>2.08                           | 324597*        | 2-324597-1      |
|                                                   |                                         | 4                                   | .193<br>4.90  | .203<br>5.16   | .534<br>13.56 | .649<br>16.48  | .110<br>2.79  | .026<br>0.66  | Yellow                          | .082<br>2.08                           | 52369*         | 52369-1         |
|                                                   |                                         | 6<br>M3.5                           | .250<br>6.35  | .203<br>5.16   | .534<br>13.56 | .649<br>16.48  | .110<br>2.79  | .026<br>0.66  | Yellow                          | .082<br>2.08                           | 51874*         | 51874-1         |
| 22-16<br>509-3,260<br>[0.26-1.65]                 | .033<br>0.84                            | 2<br>M2                             | .182<br>4.62  | .203<br>5.16   | .607<br>15.42 | .727<br>18.47  | .115<br>2.92  | .041<br>1.04  | Red                             | .125<br>3.18                           | 2-324608-2     | —               |
|                                                   |                                         |                                     | .182<br>4.62  | .203<br>5.16   | .607<br>15.42 | .727<br>18.47  | .115<br>2.92  | .041<br>1.04  | Red                             | .140<br>3.56                           | 324608*        | 2-324608-1      |
|                                                   |                                         |                                     | .250<br>6.35  | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .046<br>1.17  | Red                             | .125<br>3.18                           | 322777*        | 2-322777-1      |
|                                                   |                                         |                                     | .265<br>6.73  | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .046<br>1.17  | Red                             | .140<br>3.56                           | 322426         | —               |
|                                                   |                                         | 6<br>M3.5                           | .296<br>7.52  | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .046<br>1.17  | Red                             | .125<br>3.18                           | 32561*         | 2-32561-1       |
|                                                   |                                         |                                     | .296<br>7.52  | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .046<br>1.17  | Red                             | .140<br>3.56                           | 32562*         | 2-32562-1       |
|                                                   |                                         |                                     | .328<br>8.33  | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .046<br>1.17  | Red                             | .140<br>3.56                           | 324557         | 2-324557-1      |
|                                                   |                                         |                                     | .296<br>7.52  | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .046<br>1.17  | Red                             | .140<br>3.56                           | 2-32562-2      | 2-32562-3       |
|                                                   |                                         | 8<br>M4                             | .416<br>10.57 | .250<br>6.35   | .654<br>16.61 | .830<br>21.08  | .171<br>4.34  | .062<br>1.57  | Red                             | .125<br>3.18                           | 32497          | 2-32497-1       |
|                                                   |                                         |                                     | .416<br>10.57 | .250<br>6.35   | .654<br>16.61 | .830<br>21.08  | .171<br>4.34  | .062<br>1.57  | Red                             | .140<br>3.56                           | 32498*         | 2-32498-1       |
|                                                   |                                         | 10                                  | .296<br>7.52  | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .046<br>1.17  | Red                             | .140<br>3.56                           | 1-331366-0     | 1-331366-1      |
|                                                   |                                         | 16-14<br>2,050-5,180<br>[1.04-2.62] | .033<br>0.84  | 6<br>M3.5      | .294<br>7.47  | .203<br>5.16   | .607<br>15.42 | .737<br>18.72 | .125<br>3.18                    | .047<br>1.19                           | Blue           | .150<br>3.81    |
|                                                   | .294<br>7.47                            |                                     |               | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .047<br>1.19  | Blue                            | .170<br>4.32                           | 320861*        | 2-320861-1      |
|                                                   | .328<br>8.33                            |                                     |               | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .047<br>1.19  | Blue                            | .170<br>4.32                           | 324567*        | —               |
|                                                   | .294<br>7.47                            |                                     |               | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .047<br>1.19  | Blue                            | .170<br>4.32                           | 320862*        | 2-320862-1      |
| 8<br>M4                                           | .416<br>10.57                           |                                     |               | .250<br>6.35   | .654<br>16.61 | .830<br>21.08  | .171<br>4.34  | .062<br>1.57  | Blue                            | .150<br>3.81                           | 33155*         | —               |
|                                                   | .416<br>10.57                           |                                     |               | .250<br>6.35   | .654<br>16.61 | .830<br>21.08  | .171<br>4.34  | .062<br>1.57  | Blue                            | .170<br>4.32                           | 33156          | 2-33156-1       |
| 12-10<br>5,180-13,100<br>[2.62-6.64]              | .042<br>1.07                            | 10                                  | .294<br>7.47  | .203<br>5.16   | .607<br>15.42 | .737<br>18.72  | .125<br>3.18  | .052<br>1.19  | Blue                            | .170<br>4.32                           | 320863*        | 2-320863-2      |
|                                                   |                                         |                                     | .296<br>7.52  | .250<br>6.35   | .841<br>21.36 | 1.017<br>25.83 | .171<br>4.34  | .052<br>1.32  | Yellow                          | .230<br>5.84                           | 324577         | 1-324577-0      |
|                                                   |                                         | 6<br>M3.5                           | .296<br>7.52  | .250<br>6.35   | .841<br>21.36 | 1.017<br>25.83 | .171<br>4.34  | .052<br>1.32  | Yellow                          | .250<br>6.35                           | 325150*        | —               |
|                                                   |                                         |                                     | .328<br>8.33  | .250<br>6.35   | .841<br>21.36 | 1.017<br>25.83 | .171<br>4.34  | .052<br>1.32  | Yellow                          | .230<br>5.84                           | 324587         | —               |
|                                                   |                                         | 8<br>M4                             | .416<br>10.57 | .250<br>6.35   | .841<br>21.36 | 1.017<br>25.83 | .171<br>4.34  | .052<br>1.32  | Yellow                          | .230<br>5.84                           | 32510*         | 2-32510-1       |
|                                                   |                                         |                                     | .416<br>10.57 | .250<br>6.35   | .841<br>21.36 | 1.017<br>25.83 | .171<br>4.34  | .052<br>1.32  | Yellow                          | .230<br>5.84                           | 326865         | 2-326865-1      |
|                                                   | .416<br>10.57                           | .250<br>6.35                        | .841<br>21.36 | 1.017<br>25.83 | .171<br>4.34  | .052<br>1.32   | Yellow        | .250<br>6.35  | 324015*                         | 2-324015-1                             |                |                 |

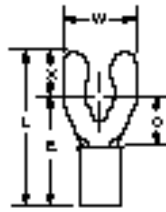
\*Available in small packaging quantities.

Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Short Spring Spade Tongue Terminals**



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body** — Phosphor Bronze per ASTM B-139  
**Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size                         | Dimensions    |              |               |                |               | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |        |         |
|---------------------------------------------------|-----------------------------------------|--------------------------------------|---------------|--------------|---------------|----------------|---------------|---------------------------------|----------------------------------------|----------------|-----------------|--------|---------|
|                                                   |                                         |                                      | W             | C<br>Min.    | E<br>Max.     | L<br>Max.      | X             |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |        |         |
| 26-22<br>202-810<br>[0.10-0.41]                   | .020<br>0.51                            | 2<br>M2                              | .171<br>4.34  | .206<br>5.23 | .537<br>13.64 | .651<br>16.54  | .109<br>2.77  | Yellow                          | .082<br>2.08                           | 52921*         | 52921-1         |        |         |
|                                                   |                                         | 4                                    | .203<br>5.16  | .219<br>5.56 | .550<br>13.97 | .695<br>17.65  | .140<br>3.56  | Yellow                          | .082<br>2.08                           | 52922*         | 52922-1         |        |         |
|                                                   |                                         | 5<br>M3                              | .250<br>6.35  | .203<br>5.16 | .534<br>13.56 | .679<br>17.25  | .140<br>3.56  | Yellow                          | .082<br>2.08                           | 52923          | 52923-1         |        |         |
|                                                   |                                         | 6<br>M3.5                            | .250<br>6.35  | .203<br>5.16 | .534<br>13.56 | .679<br>17.25  | .140<br>3.56  | Yellow                          | .082<br>2.08                           | 52924*         | 52924-1         |        |         |
|                                                   |                                         | 8<br>M4                              | .375<br>9.53  | .281<br>7.14 | .612<br>15.54 | .787<br>19.99  | .170<br>4.32  | Yellow                          | .082<br>2.08                           | 52925          | 52925-1         |        |         |
| 22-16<br>509-3.260<br>[0.26-1.65]                 | .033<br>0.84                            | 4                                    | .203<br>5.16  | .250<br>6.35 | .654<br>16.61 | .799<br>20.29  | .140<br>3.56  | Red                             | .125<br>3.18                           | 52927*         | 52927-1         |        |         |
|                                                   |                                         | 5<br>M3                              | .250<br>6.35  | .250<br>6.35 | .654<br>16.61 | .799<br>20.29  | .140<br>3.56  | Red                             | .125<br>3.18                           | 52928*         | 52928-1         |        |         |
|                                                   |                                         | 6<br>M3.5                            | .250<br>6.35  | .250<br>6.35 | .654<br>16.61 | .799<br>20.29  | .140<br>3.56  | Red                             | .125<br>3.18                           | 52929*         | 52929-1         |        |         |
|                                                   |                                         |                                      | .250<br>6.35  | .250<br>6.35 | .654<br>16.61 | .799<br>20.29  | .140<br>3.56  | Red                             | .140<br>3.56                           | —              | 52929-3         |        |         |
|                                                   |                                         | 8<br>M4                              | .244<br>6.20  | .281<br>7.14 | .725<br>18.42 | .895<br>22.73  | .170<br>4.32  | Red                             | .140<br>3.56                           | —              | 55768-1         |        |         |
|                                                   |                                         |                                      | .375<br>9.53  | .281<br>7.14 | .685<br>17.40 | .860<br>21.84  | .170<br>4.32  | Red                             | .125<br>3.18                           | 52930*         | 52930-1         |        |         |
|                                                   |                                         | 10                                   | .375<br>9.53  | .281<br>7.14 | .685<br>17.40 | .860<br>21.84  | .170<br>4.32  | Red                             | .140<br>3.56                           | —              | 52930-3         |        |         |
|                                                   |                                         |                                      | .406<br>10.31 | .281<br>7.14 | .685<br>17.40 | .908<br>23.06  | .218<br>5.54  | Red                             | .125<br>3.18                           | 52931*         | 52931-1         |        |         |
|                                                   |                                         | 1/4<br>M6                            | .406<br>10.31 | .281<br>7.14 | .685<br>17.40 | .908<br>23.06  | .218<br>5.54  | Red                             | .140<br>3.56                           | —              | 52931-3         |        |         |
|                                                   |                                         |                                      | .625<br>15.88 | .343<br>8.71 | .747<br>18.97 | 1.033<br>26.24 | .281<br>7.14  | Red                             | .125<br>3.18                           | 52933*         | —               |        |         |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                            | 5<br>M3                              | .250<br>6.35  | .250<br>6.35 | .654<br>16.61 | .799<br>20.29  | .140<br>3.56  | Blue                            | .170<br>4.32                           | 52934*         | 52934-1         |        |         |
|                                                   |                                         | 6<br>M3.5                            | .250<br>6.35  | .250<br>6.35 | .654<br>16.61 | .799<br>20.29  | .140<br>3.56  | Blue                            | .170<br>4.32                           | 52935*         | 52935-1         |        |         |
|                                                   |                                         |                                      | .250<br>6.35  | .250<br>6.35 | .654<br>16.61 | .799<br>20.29  | .140<br>3.56  | Blue                            | .182<br>4.62                           | 52935-2*       | 52935-3         |        |         |
|                                                   |                                         | 8<br>M4                              | .375<br>9.53  | .281<br>7.14 | .685<br>17.40 | .860<br>21.84  | .170<br>4.32  | Blue                            | .170<br>4.32                           | 52936*         | 52936-1         |        |         |
|                                                   |                                         |                                      | .375<br>9.53  | .281<br>7.14 | .685<br>17.40 | .860<br>21.84  | .170<br>4.32  | Blue                            | .182<br>4.62                           | 52936-2        | 52936-3         |        |         |
|                                                   |                                         | 10                                   | .406<br>10.31 | .281<br>7.14 | .685<br>17.40 | .908<br>23.06  | .218<br>5.54  | Blue                            | .170<br>4.32                           | 52937*         | 52937-1         |        |         |
|                                                   |                                         |                                      | .406<br>10.31 | .281<br>7.14 | .685<br>17.40 | .908<br>23.06  | .218<br>5.54  | Blue                            | .182<br>4.62                           | 52937-2*       | 52937-3         |        |         |
|                                                   |                                         | 1/4<br>M6                            | .625<br>15.88 | .343<br>8.71 | .747<br>18.97 | 1.033<br>26.24 | .281<br>7.14  | Blue                            | .170<br>4.32                           | 52939          | —               |        |         |
|                                                   |                                         | 12-10<br>5,180-13,100<br>[2.62-6.64] | .042<br>1.07  | 5<br>M3      | .250<br>6.35  | .169<br>4.29   | .770<br>19.56 | .959<br>24.36                   | .184<br>4.67                           | Yellow         | .250<br>6.35    | 52940* | 52940-1 |
|                                                   |                                         |                                      |               | 6<br>M3.5    | .250<br>6.35  | .174<br>4.42   | .775<br>19.69 | .959<br>24.36                   | .179<br>4.55                           | Yellow         | .250<br>6.35    | 52941* | 52941-1 |
| 8<br>M4                                           | .375<br>9.53                            |                                      |               | .276<br>7.01 | .877<br>22.28 | 1.052<br>26.72 | .170<br>4.32  | Yellow                          | .250<br>6.35                           | 52942*         | 52942-1         |        |         |
| 10                                                | .406<br>10.31                           |                                      |               | .276<br>7.01 | .877<br>22.28 | 1.100<br>27.94 | .218<br>5.54  | Yellow                          | .250<br>6.35                           | 52943*         | 52943-1         |        |         |
| 1/4<br>M6                                         | .625<br>15.88                           |                                      |               | .338<br>8.59 | .939<br>23.85 | 1.225<br>31.12 | .281<br>7.14  | Yellow                          | .250<br>6.35                           | 52945*         | —               |        |         |

\*Available in small packaging quantities.

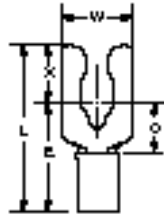
Note: "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

PIDG

**Long Spring Spade  
Tongue Terminals**



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body** — Phosphor Bronze per ASTM B-139  
**Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |           |           |           |              | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|--------------------------------------------------|-----------------------------------------|--------------|------------|-----------|-----------|-----------|--------------|---------------------------------|----------------------------------------|----------------|-----------------|
|                                                  |                                         |              | W          | C<br>Min. | E<br>Max. | L<br>Max. | X            |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |
| 26-22<br>202-810<br>[0.10-0.41]                  | .020<br>0.51                            | 6            | .250       | .235      | .566      | .847      | .276         | Yellow                          | .082<br>2.08                           | 52403          | 52403-1         |
|                                                  |                                         | M3.5         | 6.35       | 5.97      | 14.38     | 21.51     | 7.01         |                                 |                                        |                |                 |
| 22-16<br>509-3,260<br>[0.26-1.65]                | .033<br>0.84                            | 4            | .203       | .201      | .615      | .896      | .276         | Red                             | .125<br>3.18                           | 52408          | —               |
|                                                  |                                         |              | 5.16       | 5.11      | 15.62     | 22.76     | 7.01         |                                 |                                        |                |                 |
|                                                  |                                         | 6            | .250       | .238      | .652      | .933      | .276         | Red                             | .125<br>3.18                           | 52409*         | 52409-1         |
|                                                  |                                         |              | M3.5       | 6.35      | 6.05      | 16.56     | 23.70        |                                 |                                        |                |                 |
|                                                  |                                         | 8            | .250       | .238      | .652      | .933      | .276         | Red                             | .140<br>3.56                           | 52409-2        | 52409-3         |
|                                                  |                                         |              | M4         | 6.35      | 6.05      | 16.56     | 23.70        |                                 |                                        |                |                 |
| 10                                               | .281                                    | .270         | .684       | .979      | .290      | Red       | .125<br>3.18 | 52410*                          | 52410-1                                |                |                 |
|                                                  | M4                                      | 7.14         | 6.86       | 17.37     | 24.87     |           |              |                                 |                                        | 7.37           |                 |
| 10                                               | .343                                    | .283         | .697       | 1.005     | .303      | Red       | .125<br>3.18 | 52411*                          | 52411-1                                |                |                 |
|                                                  | M4                                      | 8.71         | 7.19       | 17.70     | 25.53     |           |              |                                 |                                        | 7.70           |                 |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | .033<br>0.84                            | 6            | .250       | .238      | .652      | .933      | .276         | Blue                            | .150<br>3.81                           | 52420*         | 52420-2         |
|                                                  |                                         |              | M3.5       | 6.35      | 6.05      | 16.56     | 23.70        |                                 |                                        |                |                 |
|                                                  |                                         | 8            | .281       | .270      | .684      | .979      | .290         | Blue                            | .150<br>3.81                           | 52421*         | —               |
|                                                  |                                         |              | M4         | 7.14      | 6.86      | 17.37     | 24.87        |                                 |                                        |                |                 |
|                                                  |                                         | 10           | .281       | .270      | .684      | .979      | .290         | Blue                            | .170<br>4.32                           | 52421-1*       | 52421-3         |
|                                                  |                                         |              | M4         | 7.14      | 6.86      | 17.37     | 24.87        |                                 |                                        |                |                 |
| 10                                               | .343                                    | .283         | .697       | 1.005     | .303      | Blue      | .170<br>4.32 | 52422-1*                        | 52422-3                                |                |                 |
|                                                  | M4                                      | 8.71         | 7.19       | 17.70     | 25.53     |           |              |                                 |                                        | 7.70           |                 |
| 12-10<br>5,180-13,100<br>[2.62-6.64]             | .042<br>1.07                            | 1/4<br>M6    | .437       | .345      | .759      | 1.102     | .338         | Blue                            | .150<br>3.81                           | 52423          | 52423-2         |
|                                                  |                                         |              | M6         | 11.10     | 8.76      | 19.28     | 27.99        |                                 |                                        |                |                 |
|                                                  |                                         | 6            | .312       | .242      | .843      | 1.131     | .283         | Yellow                          | .230<br>5.84                           | 52430          | 52430-2         |
|                                                  |                                         |              | M3.5       | 7.92      | 6.15      | 21.41     | 28.73        |                                 |                                        |                |                 |
|                                                  |                                         | 8            | .312       | .242      | .843      | 1.131     | .283         | Yellow                          | .250<br>6.35                           | 52430-1        | 52430-3         |
|                                                  |                                         |              | M3.5       | 7.92      | 6.15      | 21.41     | 28.73        |                                 |                                        |                |                 |
| 8                                                | .375                                    | .273         | .874       | 1.174     | .295      | Yellow    | .250<br>6.35 | 52431-1                         | 52431-3                                |                |                 |
|                                                  | M4                                      | 9.53         | 6.93       | 22.20     | 29.82     |           |              |                                 |                                        | 7.49           |                 |
| 10                                               | .375                                    | .305         | .906       | 1.219     | .308      | Yellow    | .230<br>5.84 | —                               | 52432-2                                |                |                 |
|                                                  | M4                                      | 9.53         | 7.75       | 23.01     | 30.96     |           |              |                                 |                                        | 7.82           |                 |
| 10                                               | .375                                    | .305         | .906       | 1.219     | .308      | Yellow    | .250<br>6.35 | 52432-1                         | 52432-3                                |                |                 |
|                                                  | M4                                      | 9.53         | 7.75       | 23.01     | 30.96     |           |              |                                 |                                        | 7.82           |                 |
| 1/4<br>M6                                        | .437                                    | .345         | .946       | 1.289     | .338      | Yellow    | .250<br>6.35 | 52433-1                         | —                                      |                |                 |
|                                                  | M6                                      | 11.10        | 8.76       | 24.03     | 32.74     |           |              |                                 |                                        | 8.59           |                 |

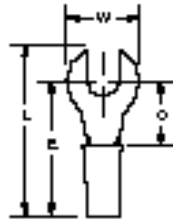
\*Available in small packaging quantities.

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Slotted Ring Tongue Terminals**



**Material**

**Insulation** — Nylon except where noted.  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

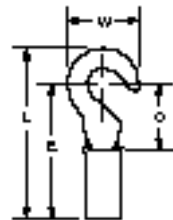
| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |           |           |              | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers        |                 |
|---------------------------------------------------|-----------------------------------------|--------------|------------|-----------|-----------|--------------|---------------------------------|----------------------------------------|---------------------|-----------------|
|                                                   |                                         |              | W          | C<br>Min. | E<br>Max. | L<br>Max.    |                                 |                                        | Loose<br>Piece      | Tape<br>Mounted |
| 26-22<br>202-810<br>[0.10-0.41]                   | .020<br>0.51                            | 6            | .250       | .281      | .612      | .719         | Yellow                          | .082<br>2.08                           | 323011              | 2-323011-2      |
|                                                   |                                         | M3.5         | 6.35       | 7.14      | 15.54     | 18.26        |                                 |                                        |                     |                 |
| 22-16<br>509-3,260<br>[0.26-1.65]                 | .033<br>0.84                            | 6            | .312       | .281      | .685      | .828         | Red                             | .140<br>3.56                           | 35216*              | 2-35216-1       |
|                                                   |                                         | M3.5         | 7.92       | 7.14      | 17.40     | 21.03        |                                 |                                        |                     |                 |
|                                                   |                                         | 8            | .281       | .250      | .654      | .770         | Red                             | .140<br>3.56                           | 36954*              | 2-36954-2       |
|                                                   |                                         | M4           | 7.14       | 6.35      | 16.61     | 19.56        |                                 |                                        |                     |                 |
| 10                                                | .312                                    | .281         | .685       | .812      | Red       | .125<br>3.18 | 331453                          | 1-331453-0                             |                     |                 |
| M4                                                | 7.92                                    | 7.14         | 17.40      | 20.62     |           |              |                                 |                                        |                     |                 |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                            | 1/4          | .469       | .437      | .841      | 1.039        | Red                             | .125<br>3.18                           | 321808              | —               |
|                                                   |                                         | M6           | 11.91      | 11.10     | 21.36     | 26.39        |                                 |                                        |                     |                 |
| 16-14 HD<br>2,050-5,180<br>[1.04-2.62]            | .048<br>1.22                            | 6            | .343       | .281      | .685      | .844         | Blue                            | .170<br>4.32                           | 34406               | —               |
|                                                   |                                         | M3.5         | 8.71       | 7.14      | 17.40     | 21.44        |                                 |                                        |                     |                 |
| 16-14 HD<br>2,050-5,180<br>[1.04-2.62]            | .048<br>1.22                            | 8            | .344       | .281      | .685      | .837         | Blue                            | .170<br>4.32                           | 35440               | —               |
|                                                   |                                         | M4           | 8.74       | 7.14      | 17.40     | 21.26        |                                 |                                        |                     |                 |
| 16-14 HD<br>2,050-5,180<br>[1.04-2.62]            | .048<br>1.22                            | 3/8          | .750       | .625      | 1.216     | 1.594        | Yellow/Black                    | .250<br>6.35                           | 696077-2            | 696077-1        |
|                                                   |                                         | M6           | 19.05      | 15.88     | 30.89     | 40.49        |                                 |                                        |                     |                 |
| 12-10<br>5,180-13,100<br>[2.62-6.64]              | .042<br>1.07                            | 1/4          | .531       | .468      | 1.156     | 1.390        | Yellow                          | .300<br>7.62                           | 321611 <sup>1</sup> | —               |
|                                                   |                                         | M6           | 13.49      | 11.89     | 29.36     | 35.31        |                                 |                                        |                     |                 |
| 12-10<br>5,180-13,100<br>[2.62-6.64]              | .040<br>1.02                            | 3/8          | .750       | .625      | 1.216     | 1.594        | Yellow                          | .250<br>6.35                           | 696076-2            | 696076-1        |
|                                                   |                                         | M6           | 19.05      | 15.88     | 30.89     | 40.49        |                                 |                                        |                     |                 |

\*Available in small packaging quantities.

<sup>1</sup>Insulation—Vinyl.

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.

**Hook Tongue Terminals**



**Material**

**Insulation** — Nylon except where noted.  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions |           |           |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers       |                 |
|---------------------------------------------------|-----------------------------------------|--------------|------------|-----------|-----------|-----------|---------------------------------|----------------------------------------|--------------------|-----------------|
|                                                   |                                         |              | W          | C<br>Min. | E<br>Max. | L<br>Max. |                                 |                                        | Loose<br>Piece     | Tape<br>Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]                 | 0.84<br>.033                            | 6            | .281       | .203      | .607      | .750      | Red                             | .140<br>3.56                           | 34313*             | —               |
|                                                   |                                         | M3.5         | 7.14       | 5.16      | 15.42     | 19.05     |                                 |                                        |                    |                 |
| 22-16<br>509-3,260<br>[0.26-1.65]                 | 0.84<br>.033                            | 8            | .343       | .296      | .705      | .879      | Red                             | .140<br>3.56                           | 32456              | —               |
|                                                   |                                         | M4           | 8.71       | 7.52      | 17.91     | 22.33     |                                 |                                        |                    |                 |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                            | 6            | .343       | .281      | .685      | .859      | Blue                            | .150<br>3.81                           | 320381             | 2-320381-1      |
|                                                   |                                         | M3.5         | 8.71       | 7.14      | 17.40     | 21.82     |                                 |                                        |                    |                 |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                            | 8            | .343       | .281      | .685      | .859      | Blue                            | .170<br>4.32                           | 320306*            | 2-320306-1      |
|                                                   |                                         | M4           | 8.71       | 7.14      | 17.40     | 21.82     |                                 |                                        |                    |                 |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                            | 10           | .343       | .281      | .685      | .859      | Blue                            | .170<br>4.32                           | 35481 <sup>1</sup> | —               |
|                                                   |                                         | M4           | 8.71       | 7.14      | 17.40     | 21.82     |                                 |                                        |                    |                 |

\*Available in small packaging quantities.

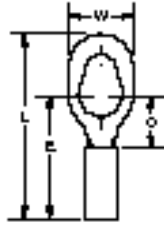
<sup>1</sup>Insulation—Vinyl.

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Multiple Stud Terminals**



**Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545  
**Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Nickel per QQ-N-290

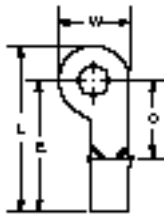
**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions   |              |               |                | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|---------------------------------------------------|-----------------------------------------|--------------|--------------|--------------|---------------|----------------|---------------------------------|----------------------------------------|----------------|-----------------|
|                                                   |                                         |              | W            | C<br>Min.    | E<br>Max.     | L<br>Max.      |                                 |                                        | Loose<br>Piece | Tape<br>Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]                 | .033<br>0.84                            | 6-8-10       | .325<br>8.26 | .281<br>7.14 | .685<br>17.40 | .957<br>24.31  | Red                             | .125<br>3.18                           | 54771-1*       | 54771-2         |
| 12-10<br>5,180-13,100<br>[2.62-6.64]              | .042<br>1.07                            | 6-8-10       | .325<br>8.26 | .302<br>7.67 | .893<br>22.68 | 1.165<br>29.59 | Yellow                          | .230<br>5.84                           | 54773-1*       | —               |

\*Available in small packaging quantities.  
**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.

**Offset Ring Tongue Terminals**



**Material**

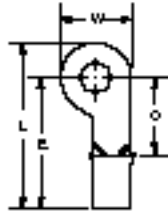
**Insulation** — Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions   |              |               |               | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers   |
|---------------------------------------------------|-----------------------------------------|--------------|--------------|--------------|---------------|---------------|---------------------------------|----------------------------------------|----------------|
|                                                   |                                         |              | W            | C<br>Min.    | E<br>Max.     | L<br>Max.     |                                 |                                        | Loose<br>Piece |
| 22-16<br>509-3,260<br>[0.26-1.65]                 | .033<br>0.84                            | 6            | .375<br>9.53 | .312<br>7.92 | .716<br>18.19 | .906<br>23.01 | Red                             | .125<br>3.18                           | 323039         |
|                                                   |                                         | M3.5         | .375<br>9.53 | .312<br>7.92 | .716<br>18.19 | .906<br>23.01 | Red                             | .125<br>3.18                           | 324011         |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                            | 6            | .375<br>9.53 | .312<br>7.92 | .716<br>18.19 | .906<br>23.01 | Blue                            | .150<br>3.81                           | 323817         |
|                                                   |                                         | M3.5         | .375<br>9.53 | .312<br>7.92 | .716<br>18.19 | .906<br>23.01 | Blue                            | .150<br>3.81                           | 323818         |

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.

**PIDG (Pre-Insulated Diamond Grip)** (Continued)**Offset Ring Tongue Terminals**  
(Insulation Restricting)**Material**

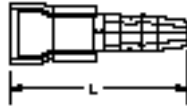
**Insulation**—Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve**—Copper per ASTM B-152  
**Plating**—Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code**—pg. 4  
**Packaging Quantities**—pg. 4  
**Performance Specifications**—pgs. 4 & 5  
**Application Tooling**—pg. 72

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Stud<br>Size | Dimensions   |              |               |               | Terminal<br>Insulation<br>Color<br>Solid/Stripe | Wire<br>Insulation<br>Diameter<br>Range | Part Numbers<br>Loose<br>Piece |
|--------------------------------------------------|-----------------------------------------|--------------|--------------|--------------|---------------|---------------|-------------------------------------------------|-----------------------------------------|--------------------------------|
|                                                  |                                         |              | W            | C<br>Min.    | E<br>Max.     | L<br>Max.     |                                                 |                                         |                                |
| 22<br>754<br>[0.38]                              | .033<br>0.84                            | 6<br>M3.5    | .375<br>9.53 | .312<br>7.92 | .758<br>19.25 | .946<br>24.03 | Red/Green                                       | .038-.110<br>0.97-2.79                  | 52284-4                        |
| 20<br>1,186<br>[0.60]                            | .033<br>0.84                            | 6<br>M3.5    | .375<br>9.53 | .312<br>7.92 | .758<br>19.25 | .946<br>24.03 | Red/Red                                         | .046-.110<br>1.17-2.79                  | 52284-2                        |
|                                                  |                                         | 10           | .375<br>9.53 | .312<br>7.92 | .758<br>19.25 | .946<br>24.03 | Red/Red                                         | .046-.110<br>1.17-2.79                  | 52284-3                        |
| 16<br>2,800<br>[1.42]                            | .033<br>0.84                            | 6<br>M3.5    | .375<br>9.53 | .312<br>7.92 | .748<br>19.00 | .938<br>23.83 | Blue/Blue                                       | .063-.130<br>1.60-3.30                  | 52283-2                        |
| 14<br>4,234<br>[2.15]                            | .033<br>0.84                            | 10           | .375<br>9.53 | .312<br>7.92 | .748<br>19.00 | .938<br>23.83 | Blue/Green                                      | .078-.130<br>1.98-3.30                  | 52283-1                        |

**Note:** "C" dimension applies from edge of metal wire barrel to center of stud hole.

**PIDG (Pre-Insulated Diamond Grip)** (Continued)**Shur-Plug Terminal**

.156 Series

**Material**

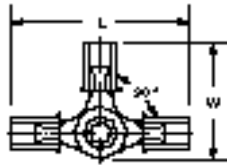
**Insulation** — Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Dimension<br>L<br>Max. | Terminal<br>Insulation<br>Color | Wire Insulation<br>Diameter<br>Max. | Part Numbers   |                 |
|---------------------------------------------------|------------------------|---------------------------------|-------------------------------------|----------------|-----------------|
|                                                   |                        |                                 |                                     | Loose<br>Piece | Tape<br>Mounted |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .790<br>20.07          | Blue                            | .170<br>4.32                        | 324225*        | 2-324225-1      |
| 16-14 Receptacle<br>2,050-5,180<br>[1.04-2.62]    | .768<br>19.51          | Blue                            | .157<br>3.99                        | 165429-1       | —               |

\*Available in small packaging quantities.

**3-Way Connector Terminal****Material**

**Insulation** — Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Rivet** — Brass per QQ-B-626  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mills<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness Max. | Dimensions    |                | Terminal<br>Insulation<br>Color | Wire Insulation<br>Diameter<br>Max. | Part Number<br>Loose<br>Piece |
|---------------------------------------------------|--------------------------------------|---------------|----------------|---------------------------------|-------------------------------------|-------------------------------|
|                                                   |                                      | W<br>Max.     | L<br>Max.      |                                 |                                     |                               |
| 16-14<br>2,050-5,180<br>[1.04-2.62]               | .033<br>0.84                         | .859<br>21.82 | 1.370<br>34.80 | Blue                            | .170<br>4.32                        | 53222-1*                      |

\*Available in small packaging quantities.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

PIDG

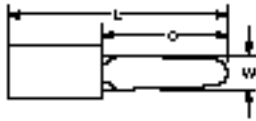
**Tabs**

**Material**

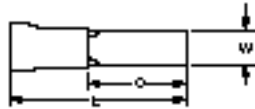
**Insulation** — Nylon, UL 94V-2  
**Terminal Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

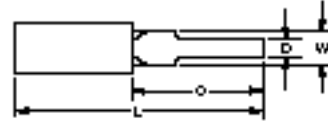
**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72



Style A



Style B



Style C

| Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Tongue<br>Material<br>Thickness<br>Max. | Style | Dimensions   |               |                |              | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Part Numbers<br>Loose<br>Piece |
|--------------------------------------------------|-----------------------------------------|-------|--------------|---------------|----------------|--------------|---------------------------------|----------------------------------------|--------------------------------|
|                                                  |                                         |       | W            | C<br>Min.     | L<br>Max.      | D            |                                 |                                        |                                |
| 22-16<br>509-3,260<br>[0.26-1.65]                | .033<br>0.84                            | A     | .140<br>3.56 | .480<br>12.19 | .904<br>22.96  | —            | Red                             | .140<br>3.56                           | 34294*                         |
| 16-14<br>2,050-5,180<br>[1.04-2.62]              | .033<br>0.84                            | B     | .156<br>3.96 | .375<br>9.53  | .809<br>20.55  | —            | Blue                            | .170<br>4.32                           | 327748                         |
| 12-10<br>5,180-13,100<br>[2.62-6.64]             | .042<br>1.07                            | C     | .225<br>5.72 | .600<br>15.24 | 1.194<br>30.33 | .125<br>3.18 | Yellow                          | .230<br>5.84                           | 324543*                        |

\*Available in small packaging quantities.

**Note:** "C" dimension applies from edge of metal wire barrel to end of tab.





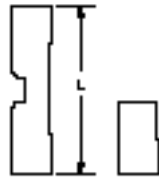
**PIDG (Pre-Insulated Diamond Grip) (Continued)**

PIDG

**Butt Splices**



Gland and Radiation Resistant



Step Down Assembly<sup>1</sup>



Special

**Material**

**Insulation Sleeve** — Standard, Step Down Assembly and Special — Nylon Radiation Resistant — Polyvinylidene Fluoride (PVF<sub>2</sub>)  
**Splice Body and Insulation Support Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size<br>Circular Mils <sup>2</sup><br>[mm <sup>2</sup> ]            | Style          | Dimension<br>L<br>Max. | Splice<br>Insulation<br>Color | Wire Insulation<br>Diameter<br>Max. | Part Numbers           |                         |            |
|--------------------------------------------------------------------------|----------------|------------------------|-------------------------------|-------------------------------------|------------------------|-------------------------|------------|
|                                                                          |                |                        |                               |                                     | Loose<br>Piece         | Tape<br>Mounted         |            |
| 26-24 <sup>3</sup><br>238-475<br>[0.12-0.24]                             | Standard       | .890<br>22.61          | Yellow                        | .082<br>2.08                        | 323994                 | 2-323994-1              |            |
| 26-22<br>202-810<br>[0.10-0.41]                                          |                | .890<br>22.61          | Yellow                        | .082<br>2.08                        | 2-323994-2*            | —                       |            |
| 24-20<br>320-1,290<br>[0.16-0.65]                                        |                | 1.035<br>26.29         | Natural                       | .100<br>2.54                        | 323975                 | 2-323975-3              |            |
| 22-16 <sup>4</sup><br>509-3,260<br>[0.26-1.65]                           |                | 1.265<br>32.13         | Red                           | .125<br>3.18                        | 320559*                | 2-320559-4              |            |
| 16-14<br>2,050-5,180<br>[1.04-2.62]                                      |                | 1.265<br>32.13         | Blue                          | .150<br>3.81                        | 320562*                | 2-320562-3              |            |
| 12-10<br>5,180-13,100<br>[2.62-6.64]                                     |                | 1.656<br>42.06         | Yellow                        | .220<br>5.59                        | 320570*                | 2-320570-3 <sup>†</sup> |            |
| 16-14 to 22-18<br>2,050-5,180 to 509-1,900<br>[1.04-2.62] [0.26-0.96]    |                | Step Down<br>Assembly  | 1.265<br>32.13                | Blue                                | .150/.115<br>3.81/2.92 | 327583                  | 2-327583-1 |
| 12-10 to 22-18<br>5,180-13,100 to 509-1,900<br>[2.62-6.64] [0.26-0.96]   |                |                        | 1.656<br>42.06                | Yellow                              | .220/.140<br>5.59/3.56 | 327639                  | —          |
| 12-10 to 16-14<br>5,180-13,100 to 2,050-5,180<br>[2.62-6.64] [1.04-2.62] |                |                        | 1.656<br>42.06                | Yellow                              | .220/.170<br>5.59/4.32 | 327638                  | —          |
| 26-24 <sup>3</sup><br>238-475<br>[0.12-0.24]                             |                | Radiation<br>Resistant | .890<br>22.61                 | Natural w/<br>Yellow Stripes        | .082<br>2.08           | 53546-1                 | —          |
| 26-22<br>202-810<br>[0.10-0.41]                                          | .890<br>22.61  |                        | Natural w/<br>Yellow Stripes  | .082<br>2.08                        | 53546-3                | —                       |            |
| 24-20<br>320-1,290<br>[0.16-0.65]                                        | 1.035<br>26.29 |                        | Natural w/<br>White Stripes   | .100<br>2.54                        | 53547-1                | 53547-2                 |            |
| 22-16 <sup>4</sup><br>509-3,260<br>[0.26-1.65]                           | 1.265<br>32.13 |                        | Natural w/<br>Red Stripes     | .125<br>3.18                        | 53548-1*               | 53548-2                 |            |
| 16-14<br>2,050-5,180<br>[1.04-2.62]                                      | 1.265<br>32.13 |                        | Natural w/<br>Blue Stripes    | .150<br>3.81                        | 53549-1*               | 53549-2                 |            |
| 12-10<br>5,180-13,100<br>[2.62-6.64]                                     | 1.656<br>42.06 |                        | Natural w/<br>Yellow Stripes  | .220<br>5.59                        | 53550-1*               | —                       |            |
| 12-10<br>5,180-13,100<br>[2.62-6.64]                                     | Special        |                        | 1.245<br>31.62                | Yellow                              | .220<br>5.59           | 328961 <sup>‡</sup>     | —          |

\*Available in small packaging quantities.

<sup>1</sup>Includes adapter insert.

<sup>2</sup>When using two or more wires in either end of a butt splice, the combined cross sectional area must be within the (CMA) circular mil area range listed.

<sup>3</sup>26-24 range in accordance with MIL-T-7928.

<sup>4</sup>22-16 splices are 22-18 range in accordance with MIL-T-7928.

<sup>†</sup>12-10 butt splice, threaded 8-32 one end.

<sup>‡</sup>Tapetronic only.



**PIDG (Pre-Insulated Diamond Grip)** (Continued)

**Butt Splice Step Down Adapter Inserts<sup>1</sup>**



**Material**

**Adapter Body** — Copper per ASTM B-152  
**Plating** — Zinc Plate / DyeChromate

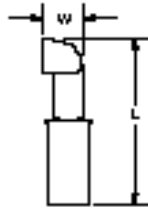
**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Butt Splice                                |          | Adapter Insert                             |               |            |              |
|--------------------------------------------|----------|--------------------------------------------|---------------|------------|--------------|
| Wire Size Circular Mils [mm <sup>2</sup> ] | Part No. | Wire Size Circular Mils [mm <sup>2</sup> ] | Dimension L   | Color Code | Part Numbers |
| 16-14<br>2,050-5,180<br>[1.04-2.62]        | 320562   | 22-18<br>509-1,900<br>[0.26-0.96]          | .350<br>8.89  | Red        | 1-327635-1   |
|                                            |          |                                            | .402<br>10.21 | Red        | 327635*      |
| 12-10<br>5,180-13,100<br>[2.62-6.64]       | 320570   | 22-18<br>509-1,900<br>[0.26-0.96]          | .562<br>14.27 | Red        | 327636*      |
|                                            |          | 16-14<br>2,050-5,180<br>1.04-2.62]         | .562<br>14.27 | Blue       | 327637*      |

<sup>1</sup>Available in small packaging quantities.  
<sup>1</sup>Adapter inserts can be ordered separately for use in specific Standard PIDG Butt Splices.

**Knife Disconnect Splices**



**Material**

**Insulation** — Nylon, UL 94V-2  
**Splice Body and Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 72

| Wire Size Circular Mils [mm <sup>2</sup> ] | Material Thickness | Dimensions   |                | Splice Insulation Color | Wire Insulation Diameter Max. | Part Numbers |              |
|--------------------------------------------|--------------------|--------------|----------------|-------------------------|-------------------------------|--------------|--------------|
|                                            |                    | W            | L Max.         |                         |                               | Loose Piece  | Tape Mounted |
| 22-16<br>509-3,260<br>[0.26-1.65]          | .031<br>0.79       | .203<br>5.16 | .878<br>22.30  | Red                     | .125<br>3.18                  | 320555*      | —            |
|                                            |                    | .203<br>5.16 | .878<br>22.30  | Red                     | .140<br>3.56                  | 32446*       | 2-32446-1    |
| 16-14<br>2,050-5,180<br>[1.04-2.62]        | .031<br>0.79       | .203<br>5.16 | .878<br>22.30  | Blue                    | .150<br>3.81                  | 320566*      | —            |
|                                            |                    | .203<br>5.16 | .878<br>22.30  | Blue                    | .170<br>4.32                  | 32448*       | —            |
| 12-10<br>5,180-13,100<br>[2.62-6.64]       | .040<br>1.02       | .281<br>7.14 | 1.234<br>31.34 | Yellow                  | .230<br>5.84                  | 320620*      | —            |
|                                            |                    | .281<br>7.14 | 1.260<br>32.00 | Yellow                  | .250<br>6.35                  | 35762*       | —            |

<sup>1</sup>Available in small packaging quantities.



## PIDG FASTON

### Product Facts

- Pre-insulated terminal designed for uniformed reliability in most difficult circuit environment
- Consists of an unplated or tin-plated brass body or a tin-plated phosphor bronze body with a specially designed copper sleeve and insulation sleeve fitted over the terminal barrel
- Design of the tool dies and construction of the terminal permits uniform insulation thickness under crimping pressure, transmitting this pressure evenly to the center of the crimp area

### The AMP Mated Tool/Terminal Concept

- AMP compression crimping produces crimps for a given size wire and terminal that are alike in appearance and performance
- Terminal and the crimping tool are designed as uni-form matched devices
- Dies are precision-engineered from the finest hard-metal alloys
- Crimping pressure is controlled by a ratchet device on the hand tool or a corresponding pre-calibration in the crimping jaws of AMP automated crimping machines

### The Crimp

- When done properly, crimping pressure can neither overstress nor under-stress the terminal barrel—machined dies fully bottom to the precise crimp height
- Resulting termination is free of contamination
- Resistant to shock and critical environments
- Tensile strength approaches that of the wire itself

**Nylon Insulation.** Nylon sleeve has high dielectric strength.

**Color Coding.** Terminal insulation is color-coded by wire range to prevent errors during installation.

**Copper Sleeve.** The specially designed copper sleeve, fitted over the terminal barrel, provides circumferential insulation support to the wire and allows the wire to be bent in any direction, without fraying the wire's insulation or breaking the conductor.

**Funnel Ramp Entry.** Prevents a turned back strand and rapid wire insertion during high speed production.

**Serrations.** Serrations inside barrel provide maximum contact and tensile strength after crimping.

**Basic Terminal Material.** The basic terminal is constructed of fine grade high conductivity brass per ASTM B-36 or phosphor bronze per ASTM B-139. The brass terminal is either unplated or tin-plated per ASTM B-545. The phosphor bronze terminal is tin-plated per ASTM B-545. AMP's special plating process creates durable corrosion resistance to salt spray and most chemical fumes.

**Temperature Rating: 105°C Max.**

**AMP PIDG FASTON Terminals (Use Type TETRA-CRIMP\*Tooling)**

| AMP Wire Range | Component Recognized File E 66717 | LR 7189 Certified                    |
|----------------|-----------------------------------|--------------------------------------|
| 22-18          | 22-18 Stranded                    | 300 V Max., 105°C. Max. <sup>1</sup> |
| 16-14          | 16-14 Stranded                    |                                      |
| 12-10          | 12-10 Stranded                    |                                      |

<sup>1</sup>UL& CSA— Nylon except where noted

**AMP PIDG FASTON Line Splice Connectors "250" Series**

| Component Recognized File E 66717    | 105°C Max. (Vinyl) | LR 7189 Certified                    | 105°C Max. (Vinyl) |
|--------------------------------------|--------------------|--------------------------------------|--------------------|
| AMPPart No. 1-321235-0<br>1-321235-1 | 600 V Max.         | AMPPart No. 1-321235-0<br>1-321235-1 | 300 V Max.         |
| 321235<br>321688                     | 300 V Max.         | 321235<br>321688                     | 300 V Max.         |

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#### Splices

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Dimensions are shown for reference purposes only.

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Specifications subject to change.

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**PIDG FASTON** (Continued)

**Receptacles**

**Receptacle Style:**

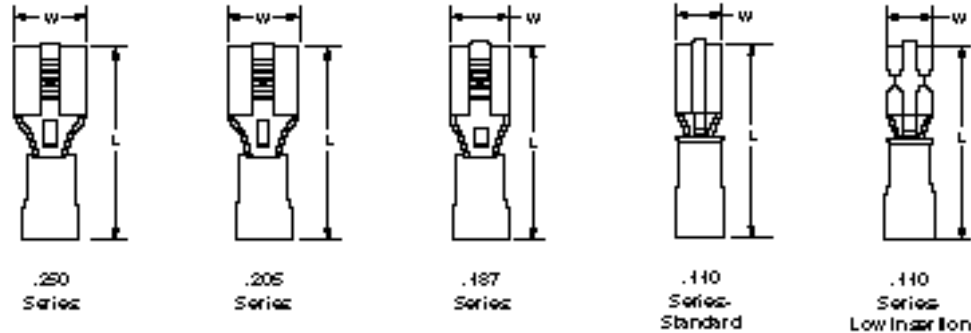
- A** — No dimple with wire stop
- B** — Dimple with wire stop
- C** — No dimple, no wire stop

**Material**

- Insulation** — Nylon, UL 94V-2
- Receptacle Body** — Brass per ASTM B-36 or Phosphor Bronze per ASTM B-139
- Plating** — Tin per ASTM B-545 except where noted.
- Metallic Sleeve** — Copper per ASTM B-152
- Plating** — Tin per ASTM B-545

**Related Product Data**

- Insulation Color Code** — pg. 4
- Packaging Quantities** — pg. 4
- Performance Specifications** — pgs. 4 & 5
- Application Tooling** — pg. 73



| Series                              | Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Style | Dimensions                        |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Recept.<br>Matl. | Stock<br>Thk. | Fits<br>Tab<br>Thk. | Part Numbers         |                      |               |
|-------------------------------------|--------------------------------------------------|-------|-----------------------------------|-----------|---------------------------------|----------------------------------------|------------------|---------------|---------------------|----------------------|----------------------|---------------|
|                                     |                                                  |       | W<br>Nom.                         | L<br>Max. |                                 |                                        |                  |               |                     | Loose<br>Piece       | Tape<br>Mounted      | Strip<br>Form |
| .250                                | 22-18<br>509-1,900<br>[0.26-0.96]                | B     | .300                              | .900      | Red                             | .140                                   | Brass            | .018          | .032                | 640903-1*            | 640903-2             | 640902-1      |
|                                     |                                                  |       | 7.62                              | 22.86     | Red                             | 3.56                                   | Brass            | 0.46          | 0.81                | 55675-1 <sup>2</sup> | 55675-2 <sup>2</sup> | —             |
|                                     | 16-14<br>2,050-5,180<br>[1.04-2.62]              | B     | .300                              | .900      | Blue                            | .170                                   | Brass            | .018          | .032                | 640905-1*            | 640905-2             | 640904-1      |
|                                     |                                                  |       | 7.62                              | 22.86     | Blue                            | 4.32                                   | Brass            | 0.46          | 0.81                | —                    | —                    | —             |
|                                     | 14-12<br>3,831-6,470 <sup>1</sup><br>[1.94-3.28] | B     | .300                              | 1.012     | Green                           | .250                                   | Brass            | .018          | .032                | 42844-1**            | 42844-3†             | 60544-3†      |
|                                     |                                                  |       | 7.62                              | 25.70     | Green                           | 6.35                                   | Phos. Brz.       | 0.46          | 0.81                | 42844-2**            | —                    | —             |
|                                     | 12-10<br>5,180-13,100<br>[2.62-6.64]             | B     | .300                              | 1.012     | Yellow                          | .250                                   | Brass            | .018          | .032                | 640907-1*            | 640907-2             | 640906-1      |
|                                     |                                                  |       | 7.62                              | 25.70     | Yellow                          | 6.35                                   | Phos. Brz.       | 0.46          | 0.81                | 61198-2              | 61198-4              | —             |
| .250<br>Low<br>Insertion            | 22-18<br>509-1,900<br>[0.26-0.96]                | B     | .300                              | .900      | Red                             | .145                                   | Brass            | .016          | .032                | 184262-1             | 184262-2             | 184261-1      |
|                                     |                                                  |       | 7.62                              | 22.86     | Red                             | 3.68                                   | Brass            | .406          | .813                | —                    | —                    | —             |
| 16-14<br>2,050-5,180<br>[1.04-2.62] | B                                                | .300  | .900                              | Blue      | .173                            | Brass                                  | .016             | .032          | 184265-1            | 184265-2             | 184264-1             |               |
|                                     |                                                  | 7.62  | 22.86                             | Blue      | 4.39                            | Brass                                  | .406             | .813          | —                   | —                    | —                    |               |
| .205                                | 22-18<br>509-1,900<br>[0.26-0.96]                | B     | .250                              | .800      | Red                             | .135                                   | Brass            | .016          | .020                | 696018-1             | 696018-2             | —             |
|                                     |                                                  |       | 6.35                              | 20.32     | Red                             | 3.43                                   | Brass            | 0.41          | 0.51                | 640909-1*            | 640909-2             | 640908-1      |
|                                     |                                                  |       | .250                              | .800      | Red/Black                       | .140                                   | Brass            | .016          | .020                | 640174-1             | —                    | —             |
|                                     |                                                  | B     | .250                              | .800      | Red                             | .140                                   | Brass            | .016          | .032                | 640911-1*            | 640911-2             | 640910-1      |
|                                     |                                                  |       | 6.35                              | 20.32     | Red                             | 3.56                                   | Brass            | 0.41          | 0.81                | —                    | —                    | —             |
|                                     |                                                  |       | .250                              | .800      | Blue                            | .170                                   | Brass            | .016          | .020                | 640913-1*            | 640913-2             | —             |
| 16-14<br>2,050-5,180<br>[1.04-2.62] | B                                                | .250  | .800                              | Blue      | .170                            | Brass                                  | .016             | .032          | 640915-1*           | 640915-2             | —                    |               |
|                                     |                                                  | 6.35  | 20.32                             | Blue      | 4.32                            | Brass                                  | 0.41             | 0.81          | —                   | —                    | —                    |               |
| .187                                | 26-24<br>238-475<br>[0.12-0.24]                  | B     | .230                              | .700      | Yellow                          | .082                                   | Brass            | .016          | .020                | 641321-1**           | 641321-2†            | 641320-1†     |
|                                     |                                                  |       | 5.84                              | 17.78     | Yellow                          | 2.08                                   | Brass            | 0.41          | 0.51                | —                    | —                    | —             |
|                                     |                                                  |       | 22-18<br>509-1,900<br>[0.26-0.96] | B         | .230                            | .800                                   | Red              | .140          | Brass               | .016                 | .020                 | 640917-1*     |
| 5.84                                | 20.32                                            | Red   |                                   |           | 3.56                            | Brass                                  | 0.41             | 0.51          | —                   | —                    | —                    |               |
| .230                                | 5.84                                             | B     | .230                              | .800      | Red                             | .140                                   | Brass            | .016          | .040                | —                    | 640578-2†            | —             |
|                                     |                                                  |       | 5.84                              | 20.32     | Red                             | 3.56                                   | Brass            | 0.41          | 1.02                | —                    | —                    | —             |

<sup>1</sup>Not UL or CSA approved or listed.  
<sup>2</sup>Available in small packaging quantities.

<sup>1</sup>Wire range is limited as noted.  
<sup>2</sup>Unplated receptacle body.



**PIDG FASTON** (Continued)

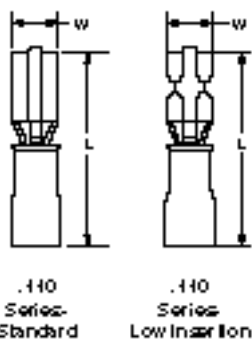
PIDG FASTON

**Receptacles** (Continued)

| Series                              | Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Style   | Dimensions |           | Terminal<br>Insulation<br>Color | Wire<br>Insulation<br>Diameter<br>Max. | Recept.<br>Matl. | Stock<br>Thk. | Fits<br>Tab<br>Thk. | Part Numbers   |                 |               |      |           |           |          |          |      |      |
|-------------------------------------|--------------------------------------------------|---------|------------|-----------|---------------------------------|----------------------------------------|------------------|---------------|---------------------|----------------|-----------------|---------------|------|-----------|-----------|----------|----------|------|------|
|                                     |                                                  |         | W<br>Nom.  | L<br>Max. |                                 |                                        |                  |               |                     | Loose<br>Piece | Tape<br>Mounted | Strip<br>Form |      |           |           |          |          |      |      |
| .187                                | 16-14<br>2,050-5,180<br>[1.04-2.62]              | B       | .230       | .800      | Blue                            | .170                                   | Brass            | .016          | .020                | 640919-1*      | 640919-2        | 640918-1      |      |           |           |          |          |      |      |
|                                     |                                                  |         | 5.84       | 20.32     | Blue                            | 4.32                                   |                  |               |                     |                |                 |               | 0.51 |           |           |          |          |      |      |
| .187<br>Low<br>Insertion            | 22-18<br>509-1,900<br>[0.26-0.96]                | B       | .230       | .900      | Blue                            | .250                                   | Brass            | .016          | .020                | 696108-1       | 696108-2        | —             |      |           |           |          |          |      |      |
|                                     |                                                  |         | 5.84       | 22.86     | Blue                            | 6.35                                   |                  |               |                     |                |                 |               | 0.51 |           |           |          |          |      |      |
| .110<br>Standard                    | 22-18<br>509-1,900<br>[0.26-0.96]                | B       | .230       | .800      | Red                             | .145                                   | Brass            | .016          | .032                | 184268-1       | 184268-2        | 184267-1      |      |           |           |          |          |      |      |
|                                     |                                                  |         | 5.84       | 22.86     | Red                             | 3.68                                   |                  |               |                     |                |                 |               | .813 |           |           |          |          |      |      |
|                                     |                                                  |         | .148       | .734      | Natural                         | .110                                   |                  |               |                     |                |                 |               | .012 | .020      | 61048-1** | 61048-2† | —        |      |      |
|                                     |                                                  |         | 3.76       | 18.64     | Natural                         | 2.79                                   |                  |               |                     |                |                 |               |      |           |           |          |          | 0.30 | 0.51 |
|                                     |                                                  |         | .148       | .734      | Natural                         | .110                                   |                  |               |                     |                |                 |               |      |           |           |          |          | .012 | .032 |
| 3.76                                | 18.64                                            | Natural | 2.79       | 0.30      | 0.81                            |                                        |                  |               |                     |                |                 |               |      |           |           |          |          |      |      |
| .148                                | .734                                             | Black   | .110       | .012      | .032                            | —                                      | 61678-2†         | —             |                     |                |                 |               |      |           |           |          |          |      |      |
| 3.76                                | 18.64                                            | Black   | 2.79       |           |                                 |                                        |                  |               | 0.30                | 0.81           |                 |               |      |           |           |          |          |      |      |
| .110<br>Low<br>Insertion            | 26-24<br>238-475<br>[0.12-0.24]                  | A       | .160       | .700      | Yellow                          | .082                                   | Brass            | .016          | .020                | 641324-1†      | 641324-2†       | —             |      |           |           |          |          |      |      |
|                                     |                                                  |         | 4.06       | 17.78     | Yellow                          | 2.08                                   |                  |               |                     |                |                 |               | 0.51 |           |           |          |          |      |      |
|                                     | 22-18<br>509-1,900<br>[0.26-0.96]                | A       | .160       | .796      | Red                             | .140                                   | Brass            | .016          | .012                | —              | —               | 350871-1†     |      |           |           |          |          |      |      |
|                                     |                                                  |         | 4.06       | 20.22     | Red                             | 3.56                                   |                  |               |                     |                |                 |               | 0.30 |           |           |          |          |      |      |
|                                     |                                                  |         | .160       | .800      | Red                             | .140                                   |                  |               |                     |                |                 |               | .016 | .016      | 640921-1  | 640921-2 | —        |      |      |
|                                     |                                                  |         | 4.06       | 20.32     | Red                             | 3.56                                   |                  |               |                     |                |                 |               |      |           |           |          |          | 0.41 | 0.41 |
|                                     |                                                  |         | .160       | .800      | Red                             | .140                                   |                  |               |                     |                |                 |               | .016 | .020      | 640923-1* | 640923-2 | 640922-1 |      |      |
|                                     |                                                  |         | 4.06       | 20.32     | Red                             | 3.56                                   |                  |               |                     |                |                 |               |      |           |           |          |          | 0.41 | 0.51 |
|                                     |                                                  |         | .160       | .800      | Red                             | .140                                   |                  |               |                     |                |                 |               | .016 | .032      | 640925-1* | 640925-2 | 640924-1 |      |      |
|                                     |                                                  |         | 4.06       | 20.32     | Red                             | 3.56                                   |                  |               |                     |                |                 |               |      |           |           |          |          | 0.41 | 0.81 |
| 16-14<br>2,050-5,180<br>[1.04-2.62] | A                                                | .160    | .800       | Blue      | .170                            | Brass                                  | .016             | .020          | 640929-1*           | 640929-2       | —               |               |      |           |           |          |          |      |      |
|                                     |                                                  | 4.06    | 20.32      | Blue      | 4.32                            |                                        |                  |               |                     |                |                 | 0.51          |      |           |           |          |          |      |      |
|                                     |                                                  | .160    | .800       | Blue      | .170                            |                                        |                  |               |                     |                |                 | .016          | .032 | 640931-1* | 640931-2  | —        |          |      |      |
|                                     |                                                  | 4.06    | 20.32      | Blue      | 4.32                            |                                        |                  |               |                     |                |                 |               |      |           |           |          | 0.41     | 0.81 |      |
|                                     |                                                  | .160    | .800       | Blue      | .170                            |                                        |                  |               |                     |                |                 | .016          | .016 | 640927-1  | 640927-2  | —        |          |      |      |
| 4.06                                | 20.32                                            | Blue    | 4.32       | 0.41      | 0.41                            |                                        |                  |               |                     |                |                 |               |      |           |           |          |          |      |      |
| .160                                | .796                                             | Blue    | .170       | .016      | .032                            | 641317-1                               | —                | —             |                     |                |                 |               |      |           |           |          |          |      |      |
| 4.06                                | 20.19                                            | Blue    | 4.32       |           |                                 |                                        |                  |               | 0.41                | 0.81           |                 |               |      |           |           |          |          |      |      |

†Not UL or CSA approved or listed.  
\*Available in small packaging quantities.

**Receptacles**  
(Insulation Restricting)



**Material**

**Insulation** — Nylon, UL 94V-2  
**Receptacle Body** — Brass per ASTM B-36  
**Receptacle Style B** — Dimple with wire stop  
**Plating** — Tin per ASTM B-545  
**Metallic Sleeve** — Copper per ASTM B-152  
**Plating** — Tin per ASTM B-545 or Nickel per QQ-N-290

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5  
**Application Tooling** — pg. 73

| Series           | Wire Size<br>Circular Mils<br>[mm <sup>2</sup> ] | Style | Dimensions |           | Terminal<br>Insulation<br>Color<br>Solid / Stripe | Wire<br>Insulation<br>Diameter<br>Range | Recept.<br>Matl. | Stock<br>Thk. | Fits<br>Tab<br>Thk. | Part Numbers   |                 |               |
|------------------|--------------------------------------------------|-------|------------|-----------|---------------------------------------------------|-----------------------------------------|------------------|---------------|---------------------|----------------|-----------------|---------------|
|                  |                                                  |       | W<br>Nom.  | L<br>Max. |                                                   |                                         |                  |               |                     | Loose<br>Piece | Tape<br>Mounted | Strip<br>Form |
| .110<br>Standard | 22<br>754<br>[0.38]                              | B     | .148       | .780      | Red/<br>Green                                     | .040-.080<br>1.02-2.03                  | Brass            | .012          | .016                | 55319-1        | 55319-3         | —             |
|                  |                                                  |       | 3.76       | 19.81     |                                                   |                                         |                  | 0.30          | 0.41                |                |                 |               |

Dimensions are shown for reference purposes only.

Dimensions are in inches and millimeters unless otherwise specified. Values in brackets are metric equivalents.

Specifications subject to change.

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**PIDG FASTON** (Continued)

**Line Splice Connector for "250" Series Terminals**



**Material**

**Insulation** — Vinyl, UL 94V-0  
**Color** — Natural  
**Splice Body** — Brass per ASTM B-36  
**Plating** — Tin per ASTM B-545 except where noted.

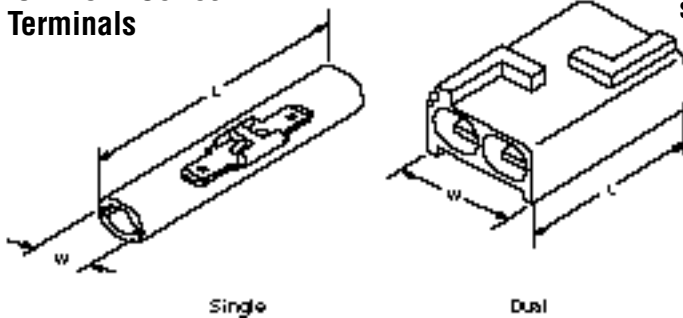
**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5

| Wire Size | Plating  | Dimensions    |                |                            | Part Numbers Loose Piece |
|-----------|----------|---------------|----------------|----------------------------|--------------------------|
|           |          | W             | L Max.         | E Min.                     |                          |
| 22-10     | Unplated | .391<br>9.93  | 2.093<br>53.16 | .860<br>21.84              | 321235*                  |
|           | Tin      | .391<br>9.93  | 2.093<br>53.16 | .860<br>21.84              | 321688                   |
|           | Unplated | .409<br>10.39 | 2.625<br>66.68 | 1.151<br>29.24             | 1-321235-0               |
|           | Tin      | .409<br>10.39 | 2.625<br>66.68 | 1.151<br>29.24             | 1-321235-1               |
|           | Unplated | .409<br>10.39 | 2.451<br>62.26 | .970 <sup>2</sup><br>24.64 | 1-321235-3 <sup>1</sup>  |
|           |          |               |                |                            |                          |

\*Available in small packaging quantities.  
<sup>1</sup>Oval expansion at end opposite "w". (.380 x .320 inside diameter.)  
<sup>2</sup>E min. on expansion end only.

**Line Splice Connector for "187" Series Terminals**



**Material**

**Housing** — Nylon, UL 94V-2  
**Splice Body** — Brass per ASTM B-36

**Related Product Data**

**Insulation Color Code** — pg. 4  
**Packaging Quantities** — pg. 4  
**Performance Specifications** — pgs. 4 & 5

| Type   | Housing Color | Dimensions    |                | Temperature Rating | Part Numbers Loose Piece |
|--------|---------------|---------------|----------------|--------------------|--------------------------|
|        |               | W             | L              |                    |                          |
| Single | Natural       | .345<br>8.76  | 1.750<br>44.45 | —                  | 360035-1 <sup>†</sup>    |
| Dual   | Natural       | .650<br>16.51 | 1.750<br>44.45 | 105°C              | 360025-1 <sup>†</sup>    |
| Dual   | Black         | .650<br>16.51 | 1.750<br>44.45 | 150°C              | 360025-2 <sup>†</sup>    |

<sup>†</sup>ULFile E66717  
600 V Max

**Receptacle (Low Insertion Force)**

| Series             | Wire Size Circular Mils [mm <sup>2</sup> ] | Dimensions   |               | Terminal Insulation Color | Wire Insulation Diameter Max. | Recept. Matl. | Stock Thk.   | Fits Tab Thk. | Part Numbers |              |            |
|--------------------|--------------------------------------------|--------------|---------------|---------------------------|-------------------------------|---------------|--------------|---------------|--------------|--------------|------------|
|                    |                                            | W Nom.       | L Max.        |                           |                               |               |              |               | Loose Piece  | Tape Mounted | Strip Form |
| .250 Low Insertion | 22-18<br>509-1,900<br>[0.26-0.96]          | .300<br>7.62 | .900<br>22.86 | Red                       | .145<br>3.68                  | Brass         | .016<br>.406 | .032<br>.813  | 184262-1     | 184262-2     | 184261-1   |
| .250 Low Insertion | 16-14<br>2,050-5,180<br>[1.04-2.62]        | .300<br>7.62 | .900<br>22.86 | Blue                      | .173<br>4.39                  | Brass         | .016<br>.406 | .032<br>.813  | 184265-1     | 184265-2     | 184264-1   |
| .187 Low Insertion | 22-18<br>509-1,900<br>[0.26-0.96]          | .230<br>5.84 | .800<br>22.86 | Red                       | .145<br>3.68                  | Brass         | .016<br>.406 | .032<br>.813  | 184268-1     | 184268-2     | 184267-1   |
| .187 Low Insertion | 16-14<br>2,050-5,180<br>[1.04-2.62]        | .300<br>7.62 | .900<br>22.86 | Blue                      | .173<br>4.39                  | Brass         | .016<br>.406 | .032<br>.813  | 184235-1     | 184235-2     | 184234-1   |