

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0190180044](#)  
**Status:** **Active**  
**Description:** VibraKrimp™ Quick Disconnect, Female, for 24-26 (0.20-0.12) Wire, Box, Tab 4.75mm (.187") x 0.51mm (.020")

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-19902-005 \(PDF\)](#)

**General**

|                         |                       |
|-------------------------|-----------------------|
| Product Family          | Quick Disconnects     |
| Series                  | <a href="#">19018</a> |
| Comments                | Butted Seam           |
| Crimp Quality Equipment | Yes                   |
| Product Name            | VibraKrimp™           |
| Type                    | Quick Disconnect      |

**Physical**

|                               |                               |
|-------------------------------|-------------------------------|
| Barrel Type                   | Closed                        |
| Gender                        | Female                        |
| Glow-Wire Compliant           | No                            |
| Insulation                    | None                          |
| Lock to Mating Part           | None                          |
| Material - Metal              | Brass                         |
| Orientation                   | Straight                      |
| Packaging Type                | Bag                           |
| Polarized to Mating Part      | No                            |
| Tab Thickness                 | 0.51mm (.020")                |
| Tab Width                     | 4.75mm (.187")                |
| Temperature Range - Operating | Per Wire Specification        |
| Wire Insulation Diameter      | 1.02-2.40mm (.040-.095") max. |
| Wire Size AWG                 | 24, 26                        |
| Wire Size mm²                 | 0.12 - 0.20                   |

**Electrical**

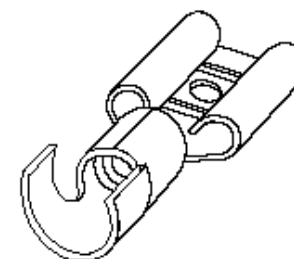
|                   |                        |
|-------------------|------------------------|
| Voltage - Maximum | Per Wire Specification |
|-------------------|------------------------|

**Material Info**

|                 |        |
|-----------------|--------|
| Old Part Number | M-4172 |
|-----------------|--------|

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-19902-005 |
| Sales Drawing         | SD-19018-001 |



*Series  
image - Reference only*

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free  
Status**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[19018Series](#)

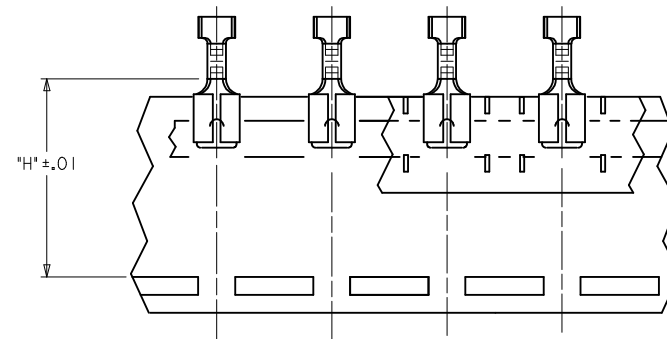
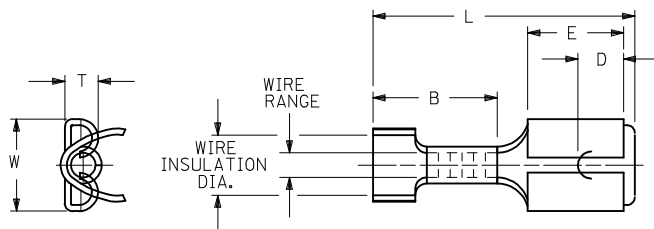
**Application Tooling | [FAQ](#)**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description                                    | Product #                  |
|--|----------------------------|
| Hand Crimp Tool                                | <a href="#">0640037100</a> |
| Crimp Head for the AT-200™ Pneumatic Hand Tool | <a href="#">0640077100</a> |

| 13                          | 12                             | 11                           | 10                              | 9                 | 8                     | 7               | 6            | 5           | 4           | 3         | 2           | 1           |              |                                  |
|-----------------------------|--------------------------------|------------------------------|---------------------------------|-------------------|-----------------------|-----------------|--------------|-------------|-------------|-----------|-------------|-------------|--------------|----------------------------------|
| MATERIAL NO.<br>LOOSE PIECE | ENGINEERING P/N<br>LOOSE PIECE | MATERIAL NO.<br>TAPE MOUNTED | ENGINEERING P/N<br>TAPE MOUNTED | WIRE RANGE<br>AWG | FITS TAB<br>SIZE      | STOCK<br>THICK. | L<br>±.032   | B<br>±.016  | W<br>±.016  | D<br>±.01 | T<br>±.016  | E<br>±.016  | H<br>NOMINAL | WIRE INSULATION<br>DIAMETER REF. |
| 190180044                   | M-4172                         | 190180047                    | M-4172T                         | 26-24             | .187x.020 (4.75x0.51) | .016 (0.41)     | .660 (16.76) | .315 (8.00) | .231 (5.87) | .12 (3.0) | .088 (2.24) | .250 (6.35) | .98 (24.9)   | .040-.095 (1.02-2.41)            |
| 190180001                   | AA-4173                        | 190180004                    | AA-4173T                        | 22-18             | .187x.020 (4.75x0.51) | .016 (0.41)     | .692 (17.58) | .350 (8.89) | .231 (5.87) | .12 (3.0) | .088 (2.24) | .250 (6.35) | .98 (24.9)   | .060-.125 (1.52-3.18)            |
| 190180011                   | BB-4174                        | 190180013                    | BB-4174T                        | 16-14             | .187x.020 (4.75x0.51) | .016 (0.41)     | .692 (17.58) | .350 (8.89) | .231 (5.87) | .12 (3.0) | .088 (2.24) | .250 (6.35) | .98 (24.9)   | .085-.145 (2.16-3.68)            |
| 190180021                   | P-4175                         | 190180055                    | P-4175T                         | 14-12             | .187x.020 (4.75x0.51) | .016 (0.41)     | .692 (17.58) | .350 (8.89) | .231 (5.87) | .12 (3.0) | .088 (2.24) | .250 (6.35) | .98 (24.9)   | .100-.175 (2.54-4.45)            |
| 190180045                   | M-4172-032                     | 190180046                    | M-4172-032T                     | 26-24             | .187x.032 (4.75x0.81) | .016 (0.41)     | .660 (16.76) | .315 (8.00) | .231 (5.87) | .12 (3.0) | .094 (2.39) | .250 (6.35) | .98 (24.9)   | .040-.095 (1.02-2.41)            |
| 190180002                   | AA-4173-032                    | 190180003                    | AA-4173-032T                    | 22-18             | .187x.032 (4.75x0.81) | .016 (0.41)     | .692 (17.58) | .350 (8.89) | .231 (5.87) | .12 (3.0) | .094 (2.39) | .250 (6.35) | .98 (24.9)   | .060-.125 (1.52-3.18)            |
| 190180012                   | BB-4174-032                    | 190180036                    | BB-4174-032T                    | 16-14             | .187x.032 (4.75x0.81) | .016 (0.41)     | .692 (17.58) | .350 (8.89) | .231 (5.87) | .12 (3.0) | .094 (2.39) | .250 (6.35) | .98 (24.9)   | .085-.145 (2.16-3.68)            |
| 190180022                   | P-4175-032                     | 190180023                    | P-4175-032T                     | 14-12             | .187x.032 (4.75x0.81) | .016 (0.41)     | .692 (17.58) | .350 (8.89) | .231 (5.87) | .12 (3.0) | .094 (2.39) | .250 (6.35) | .98 (24.9)   | .100-.175 (2.54-4.45)            |



Ⓐ TAPE-MOUNTED PARTS

SALES DRAWING

NOTES

1. MATERIAL: BRASS
2. PLATING: TIN
3. STYLE OF PART IS "VIBRAKRIMP" WITH CLOSED ELECTRICAL BARREL AND OPEN VIBRATION SUPPORT.
- Ⓐ 4. PART IS ROHS COMPLIANT.

| <b>CORRECT DIMS MARKED</b><br>EC NO: MNA2009-0212<br>DRAWN: THRODAHL 2008/10/07<br>CHKD: MACNEIL 2008/10/07<br>APPR: JACNEIL 2008/10/08 | QUALITY SYMBOLS<br>▽=0<br>▽=0    | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table> |                     | mm   | INCH  | 4 PLACES            | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± --- | ± --- | 1 PLACE | ± --- | ± --- | DIMENSION STYLE<br>IN/MM Ⓐ | SCALE<br>--- | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |
|---|----------------------------------|--|---------------------|--|---|---------------------|-------|-------|----------|-------|-------|----------|-------|-------|---------|-------|-------|----------------------------|--------------|----------------------|------------------------|
|   |                                  | mm   | INCH                |  |   |                     |       |       |          |       |       |          |       |       |         |       |       |                            |              |                      |                        |
|   | 4 PLACES                         | ± ---  | ± ---               |  |   |                     |       |       |          |       |       |          |       |       |         |       |       |                            |              |                      |                        |
|   | 3 PLACES                         | ± ---  | ± ---               |  |   |                     |       |       |          |       |       |          |       |       |         |       |       |                            |              |                      |                        |
| 2 PLACES  | ± ---                            | ± ---  |                     |  |   |                     |       |       |          |       |       |          |       |       |         |       |       |                            |              |                      |                        |
| 1 PLACE   | ± ---                            | ± ---  |                     |  |   |                     |       |       |          |       |       |          |       |       |         |       |       |                            |              |                      |                        |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  | MATERIAL NO.<br><b>SEE CHART</b> | DRAWN BY<br>EMF  | DATE<br>1992/08/21  | TITLE<br><b>QUICK DISCONNECT, VIBRAKRIMP, .187 TAB CLOSED ELEC/OPEN STRAIN</b> | MOLEX INCORPORATED  | SHEET NO.<br>1 OF 1 |       |       |          |       |       |          |       |       |         |       |       |                            |              |                      |                        |
| REV<br>A  | DESCRIPTION                      | CHECKED BY<br>DATE   | APPROVED BY<br>DATE | DOCUMENT NO.<br><b>SD-19018-001</b> Ⓐ  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                     |       |       |          |       |       |          |       |       |         |       |       |                            |              |                      |                        |