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**Part Number:** 0190190025

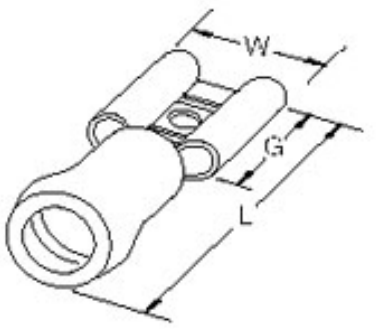
**Status:** Active

**Description:** Avikrimp™ Quick Disconnect, Female, for 14-16 (2.00-1.30) Wire, Box, Tab 2.79mm (.110") x 0.81mm (.032")

**Documents:**

Drawing (PDF)

RoHS Certificate of Compliance (PDF)




*Series image - Reference only*

## Agency Certification

| | |
|---|---|
| CSA | LR18689 |
| UL | E79133 |

## General

| | |
|---|---|
| Product Family | Quick Disconnects |
| Series | 19019 |
| Crimp Quality Equipment | Yes |
| Product Name | Avikrimp™ |
| Type | Quick Disconnect |

## Physical

| | |
|---|---|
| Barrel Type | Closed |
| Flammability | 94V-0 |
| Gender | Female |
| Glow-Wire Compliant | No |
| Insulation | Nylon (PA) |
| Lock to Mating Part | None |
| Material - Metal | Brass |
| Orientation | Straight |
| Packaging Type | Bag |
| Polarized to Mating Part | No |
| Tab Thickness | 0.81mm (.032") |
| Tab Width | 2.79mm (.110") |
| Temperature Range - Operating | -65°C to +105°C |
| Wire Insulation Diameter | 3.50mm (.138") max. |
| Wire Size AWG | 14, 16 |
| Wire Size mm² | 1.30 - 2.00 |

## Electrical

| | |
|---|---|
| Voltage - Maximum | 300V |

## Material Info

| | |
|---|---|
| Old Part Number | BB-8135 |

## Reference - Drawing Numbers

| | |
|---|---|
| Sales Drawing | SD-19019-001 |

**EU RoHS**
**ELV and RoHS Compliant**
**REACH SVHC**
Not Reviewed
**Halogen-Free Status**
**Not Reviewed**

**China RoHS**

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

Email 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**
19019Series

**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.*

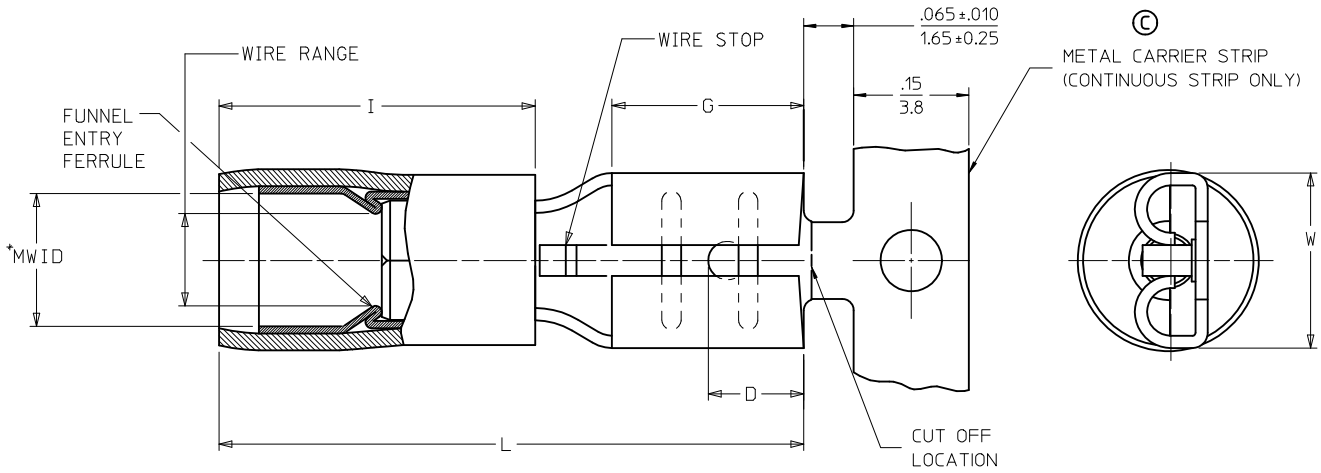
**Global**

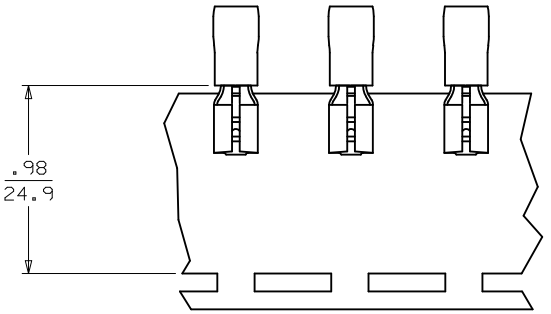
| Description | Product # |
|---|---|
| Hand Crimp Tool | 0640010200 |
| Hand Crimp Tool | 0640012000 |
| Crimp Head for the AT-200™ Pneumatic Hand Tool | 0640050200 |
| Crimp Head for the AT-200™ Pneumatic Hand Tool | 0640052000 |

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| LOOSE PIECE | | TAPE MOUNTED | | CONTINUOUS STRIP © | | SPECIFICATIONS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MATERIAL NUMBER | ENGINEERING NUMBER | MATERIAL NUMBER | ENGINEERING NUMBER | MATERIAL NUMBER | ENGINEERING NUMBER | INS. COLOR | WIRE RANGE AWG | WIRE RANGE $MM^2$ | FITS MALE TAB SIZE | STOCK THICKNESS | "L" MAX. | "I" MAX. | "W" MAX. | "D" ±.01 | "G" NOM. | MWID |
| 19019∅012 | AA-8140 | 19019∅013 | AA-8140T | 190190020 | AAZ-8140 | RED | 22-18 | 0.25-1.5 | .250x.032 (6.35X∅.81) | .016 (∅.41) | .865 (21.97) | .43 (10.9) | .301 (7.65) | .156 (3.96) | .31 (7.9) | .115 (2.92) |
| 19019∅031 | BB-8141 | 19019∅033 | BB-8141T | 190190036 | BBZ-8141 | BLUE | 16-14 | 1.0-2.5 | .250x.032 (6.35X∅.81) | .016 (∅.41) | .865 (21.97) | .43 (10.9) | .301 (7.65) | .156 (3.96) | .31 (7.9) | .138 (3.51) |
| 19019∅052 | P-8142 | 19019∅054 | P-8142T | 190190057 | PZ-8142 | YELLOW | 14-12 | 1.65-4.2 | .250x.032 (6.35X∅.81) | .016 (∅.41) | .865 (21.97) | .43 (10.9) | .301 (7.65) | .156 (3.96) | .31 (7.9) | .170 (4.32) |
| 19019∅037 | C-8143 | 19019∅038 | C-8143T | - | - | YELLOW | 10-12 | 4.0-6.0 | .250x.032 (6.35X∅.81) | .018 (∅.46) | 1.011 (25.68) | .57 (14.5) | .301 (7.65) | .156 (3.96) | .31 (7.9) | .225 (5.70) |
| 19019∅014 | AA-8190 | 19019∅016 | AA-8190T | 190190021 | AAZ-8190 | RED | 22-18 | 0.25-1.5 | .205x.020 (5.21X∅.51) | .016 (∅.41) | .789 (20.04) | .43 (10.9) | .251 (6.38) | .125 (3.18) | .25 (6.4) | .115 (2.92) |
| 19019∅034 | BB-8191 | 19019∅064 | BB-8191T | - | - | BLUE | 16-14 | 1.0-2.5 | .205x.020 (5.21X∅.51) | .016 (∅.41) | .789 (20.04) | .43 (10.9) | .251 (6.38) | .125 (3.18) | .25 (6.4) | .138 (3.51) |
| 19019∅015 | AA-8190-032 | 19019∅058 | AA-8190-032T | - | - | RED | 22-18 | 0.25-1.5 | .205x.032 (5.21X∅.81) | .016 (∅.41) | .789 (20.04) | .43 (10.9) | .251 (6.38) | .125 (3.18) | .25 (6.4) | .115 (2.92) |
| 19019∅035 | BB-8191-032 | 19019∅063 | BB-8191-032T | - | - | BLUE | 16-14 | 1.0-2.5 | .205x.032 (5.21X∅.81) | .016 (∅.41) | .789 (20.04) | .43 (10.9) | .251 (6.38) | .125 (3.18) | .25 (6.4) | .138 (3.51) |
| 19019∅008 | AA-8137-032 | 19019∅009 | AA-8137-032T | 190190019 | AAZ-8137-032 | RED | 22-18 | 0.25-1.5 | .187x.032 (4.75X∅.81) | .016 (∅.41) | .789 (20.04) | .43 (10.9) | .238 (6.05) | .125 (3.18) | .25 (6.4) | .115 (2.92) |
| 19019∅028 | BB-8138-032 | 19019∅029 | BB-8138-032T | 190190080 | BBZ-8138-032 | BLUE | 16-14 | 1.0-2.5 | .187x.032 (4.75X∅.81) | .016 (∅.41) | .789 (20.04) | .43 (10.9) | .238 (6.05) | .125 (3.18) | .25 (6.4) | .138 (3.51) |
| 19019∅049 | P-8139-032 | 19019∅050 | P-8139-032T | 190190056 | PZ-8139-032 | YELLOW | 14-12 | 1.65-4.2 | .187x.032 (4.75X∅.81) | .016 (∅.41) | .789 (20.04) | .43 (10.9) | .238 (6.05) | .125 (3.18) | .25 (6.4) | .170 (4.32) |
| 19019∅006 | AA-8137 | 19019∅011 | AA-8137T | 190190018 | AAZ-8137 | RED | 22-18 | 0.25-1.5 | .187x.020 (4.75X0.51) | .016 (∅.41) | .789 (20.04) | .43 (10.9) | .238 (6.05) | .125 (3.18) | .25 (6.4) | .115 (2.92) |
| 19019∅027 | BB-8138 | 19019∅030 | BB-8138T | 190190079 | BBZ-8138 | BLUE | 16-14 | 1.0-2.5 | .187x.020 (4.75X0.51) | .016 (∅.41) | .789 (20.04) | .43 (10.9) | .238 (6.05) | .125 (3.18) | .25 (6.4) | .138 (3.51) |
| 19019∅048 | P-8139 | 19019∅051 | P-8139T | 190190055 | PZ-8139 | YELLOW | 14-12 | 1.65-4.2 | .187x.020 (4.75X0.51) | .016 (∅.41) | .789 (20.04) | .43 (10.9) | .238 (6.05) | .125 (3.18) | .25 (6.4) | .170 (4.32) |
| 19019∅004 | AA-8134 | 19019∅005 | AA-8134T | 190190075 | AAZ-8134 | RED | 22-18 | 0.25-1.5 | .110x.032 (2.80X∅.81) | .012 (∅.30) | .789 (20.04) | .43 (10.9) | .163 (4.14) | .210 (5.33) | .25 (6.4) | .115 (2.92) |
| 19019∅025 | BB-8135 | 19019∅026 | BB-8135T | 190190078 | BBZ-8135 | BLUE | 16-14 | 1.0-2.5 | .110x.032 (2.80X∅.81) | .012 (∅.30) | .789 (20.04) | .43 (10.9) | .163 (4.14) | .210 (5.33) | .25 (6.4) | .138 (3.51) |
| 19019∅001 | AA-8131 | 19019∅003 | AA-8131T | 190190017 | AAZ-8131 | RED | 22-18 | 0.25-1.5 | .110x.020 (2.80X∅.81) | .012 (∅.30) | .789 (20.04) | .43 (10.9) | .163 (4.14) | .210 (5.33) | .25 (6.4) | .115 (2.92) |
| 19019∅022 | BB-8132 | 19019∅024 | BB-8132T | 190190076 | BBZ-8132 | BLUE | 16-14 | 1.0-2.5 | .110x.020 (2.80X∅.81) | .012 (∅.30) | .789 (20.04) | .43 (10.9) | .163 (4.14) | .210 (5.33) | .25 (6.4) | .138 (3.51) |




PARTS ON TAPE

NOTES:
© 1. MATERIAL: BRASS TERMINAL, COPPER ALLOY FERRULE
2. FINISH: ELECTRO-TIN PLATING
3. INSULATION: EXTRUDED NYLON
4. *MWID=MAXIMUM WIRE INSULATION DIAMETER
© 5. PARTS ARE ROHS COMPLIANT.

FERRULE DESCR. CONT P/N
EC NO: WNA2009-0510 2010/01/04
DRWN: ETHRODAHL 2010/01/05
CHKD: JMACNEIL 2010/01/05
APPR: JMACNEIL 2010/01/05
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± .005 |
| 2 PLACES | ± 0.13 | ± .01 |
| 1 PLACE | ± 0.25 | ± --- |
| ANGULAR ±---° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

| | |
|---|---|
| DIMENSION STYLE | IN/MM |
| SCALE | --- |
| DESIGN UNITS | INCH |
| | THIRD ANGLE PROJECTION |
| DRAWN BY | BRE |
| DATE | 2001/07/25 |
| CHECKED BY | HEB |
| DATE | 2001/07/25 |
| APPROVED BY | RWD |
| DATE | 2001/07/25 |
| TITLE | QUICK DISCONNECT PARTIALLY INSULATED AVIKRIMP |
| | MOLEX INCORPORATED |
| MATERIAL NO. | SEE CHART |
| DOCUMENT NO. | SD-19019-001 |
| SHEET NO. | 1 OF 1 |
| SIZE | C |

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