

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [0190020024](#)  
**Status:** **Active**  
**Description:** Avikrimp™ Fully Insulated Quick Disconnect, Female, for 14-16 AWG Wire, Box

**Documents:**  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR18689  
UL E79133

**General**

Product Family Quick Disconnects  
Series [19002](#)  
Crimp Quality Equipment Yes  
MolexKits Yes  
Product Name Avikrimp™  
Type Quick Disconnect

**Physical**

Barrel Type Closed  
Flammability 94V-2  
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 6.35mm (.250")  
Temperature Range - Operating -40°C to +105°C  
Wire Insulation Diameter 3.94mm (.155") max.  
Wire Size AWG 14, 16  
Wire Size mm² 1.30 - 2.00

**Electrical**

Voltage - Maximum 300V

**Material Info**

Old Part Number BB-5263

**Reference - Drawing Numbers**

Sales Drawing SD-19002-004

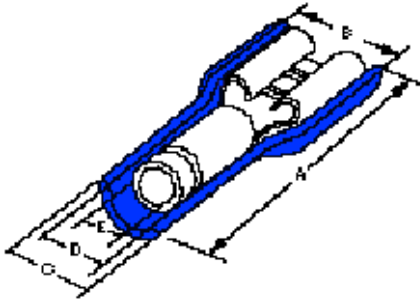


image - Reference only

Series

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

**Contains SVHC: No  
Halogen-Free  
Status**

**Not Reviewed**

**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**

[19002Series](#)

**Use With**

[19001-0006](#) , [19001-0007](#)

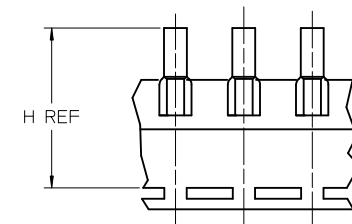
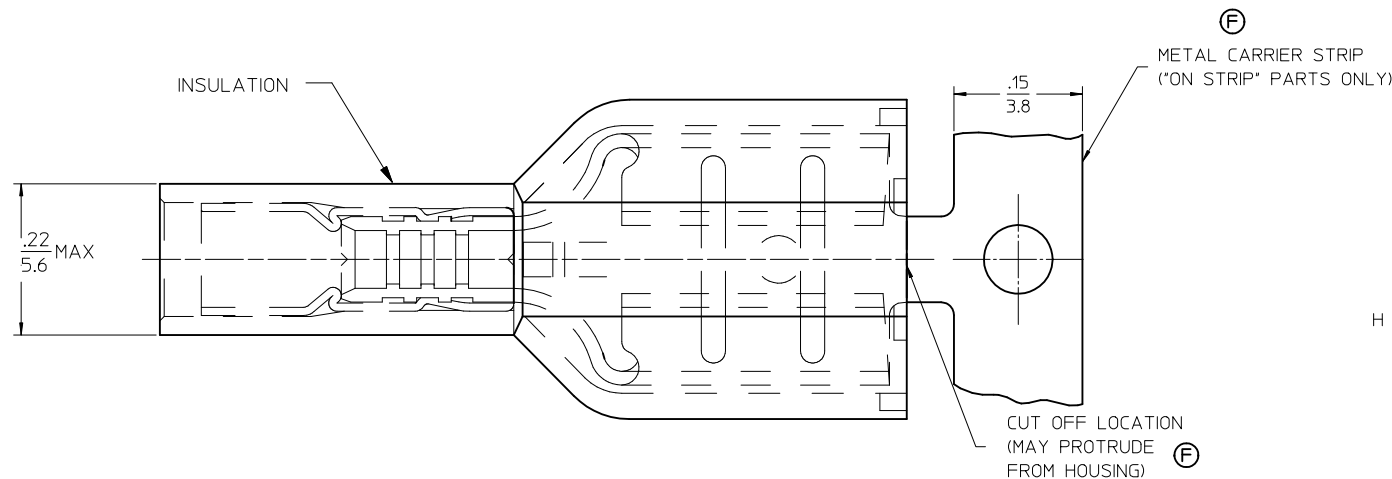
**Application Tooling | FAQ**

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

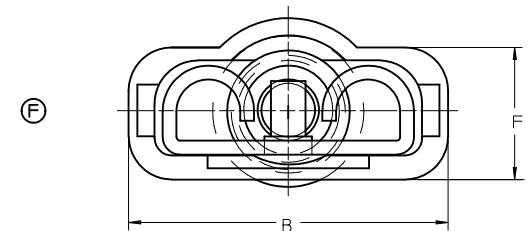
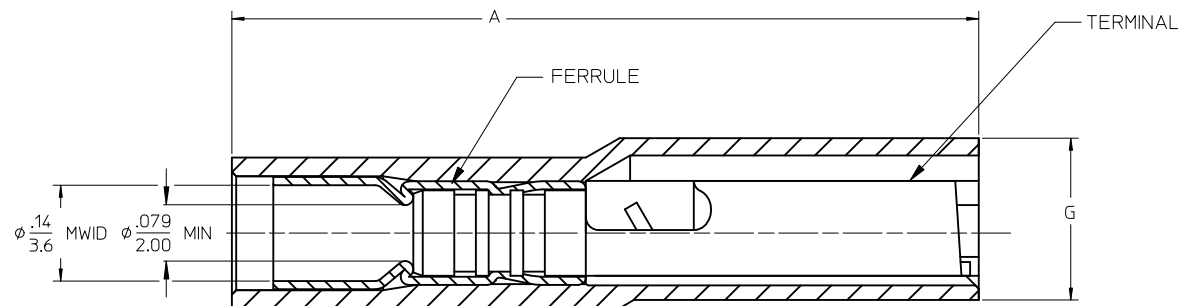
**Global**

| Description                                          | Product #                  |
|------------------------------------------------------|----------------------------|
| Hand Crimp Tool                                      | <a href="#">0640011100</a> |
| Crimp Head for the<br>AT-200™ Pneumatic<br>Hand Tool | <a href="#">0640051100</a> |

| 13                              |                                    | 12                             |                                   | 11                            |                                  | 10                                  |                                        | 9                     |  | 8                  |  | 7          |            | 6          |            | 5           |  | 4 |  | 3 |  | 2 |  | 1 |  |
|---------------------------------|------------------------------------|--------------------------------|-----------------------------------|-------------------------------|----------------------------------|-------------------------------------|----------------------------------------|-----------------------|--|--------------------|--|------------|------------|------------|------------|-------------|--|---|--|---|--|---|--|---|--|
| MATERIAL<br>NUMBER<br>LOOSE PCS | ENGINEERING<br>NUMBER<br>LOOSE PCS | MATERIAL<br>NUMBER<br>ON STRIP | ENGINEERING<br>NUMBER<br>ON STRIP | MATERIAL<br>NUMBER<br>ON TAPE | ENGINEERING<br>NUMBER<br>ON TAPE | MATERIAL<br>NUMBER<br>REVERSE WOUND | ENGINEERING<br>NUMBER<br>REVERSE WOUND | ACCEPTS<br>TAB SIZE   |  | STOCK<br>THICKNESS |  | *A*<br>MAX | *B*<br>MAX | *F*<br>REF | *G*<br>MAX | *H*<br>REF  |  |   |  |   |  |   |  |   |  |
| 190020024                       | BB-5263                            | 190020027                      | BB-5263Z                          | 190020025                     | BB-5263T                         | 190020026                           | BB-5263TR                              | .250x.032 (6.35x0.81) |  | .016/0.41          |  | .89/22.6   | .38/9.7    | .16/4.1    | .20/5.1    | 1.425/36.20 |  |   |  |   |  |   |  |   |  |
| 190020040                       | BB-5287                            | 190020041                      | BB-5287Z                          | 190020048                     | BB-5287T                         | ---                                 | ---                                    | .205x.020 (5.21x0.51) |  | .016/0.41          |  | .80/20.3   | .32/8.1    | .16/4.1    | .22/5.6    | 1.415/35.94 |  |   |  |   |  |   |  |   |  |
| 190020042                       | BB-5289                            | 190020061                      | BB-5289Z                          | 190020043                     | BB-5289T                         | ---                                 | ---                                    | .205x.032 (5.21x0.81) |  | .016/0.41          |  | .80/20.3   | .32/8.1    | .16/4.1    | .22/5.6    | 1.415/35.94 |  |   |  |   |  |   |  |   |  |
| 190020028                       | BB-5269                            | 190020030                      | BB-5269Z                          | 190020029                     | BB-5269T                         | ---                                 | ---                                    | .187x.020 (4.75x0.51) |  | .016/0.41          |  | .80/20.3   | .32/8.1    | .16/4.1    | .22/5.6    | 1.415/35.94 |  |   |  |   |  |   |  |   |  |
| 190020031                       | BB-5273                            | 190020033                      | BB-5273Z                          | 190020032                     | BB-5273T                         | ---                                 | ---                                    | .187x.032 (4.75x0.81) |  | .016/0.41          |  | .80/20.3   | .32/8.1    | .16/4.1    | .22/5.6    | 1.415/35.94 |  |   |  |   |  |   |  |   |  |
| 190020034                       | BB-5277                            | 190020036                      | BB-5277Z                          | 190020035                     | BB-5277T                         | ---                                 | ---                                    | .110x.020 (2.79x0.51) |  | .012/0.31          |  | .80/20.3   | .23/5.8    | .13/3.3    | .22/5.6    | 1.395/35.43 |  |   |  |   |  |   |  |   |  |
| 190020037                       | BB-5281                            | 190020039                      | BB-5281Z                          | 190020038                     | BB-5281T                         | ---                                 | ---                                    | .110x.032 (2.79x0.81) |  | .012/0.31          |  | .80/20.3   | .23/5.8    | .13/3.3    | .22/5.6    | 1.395/35.43 |  |   |  |   |  |   |  |   |  |



## PARTS ON TAPE



FOR CLARITY, TERMINAL COMPONENT IS NOT SECTIONED

## SALES DRAWING

### NOTES:

- MATERIAL: TERMINAL BRASS  
TERMINAL PLATING: ELECTRO TIN  
FERRULE: COPPER ALLOY F  
FERRULE PLATING: ELECTRO TIN  
INSULATION: NYLON 94V2, COLOR BLUE.
- MWD = MAXIMUM WIRE INSULATION DIAMETER
- ASSEMBLY IS ROHS COMPLIANT.

|                                                                                                                                         |                                              |                                       |        |                          |                                                            |                    |                                                                                                                                         |                                                                                                              |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------|--------|--------------------------|------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--|
| FERRULE MAT'L DESCR<br>EC NO: WNA2009-0510<br>DRAWN:ETHRODAHL 2010/01/04<br>CHKD:JMACNEIL 2010/01/05<br>APPR:JMACNEIL 2010/01/05<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED) |        | DIMENSION STYLE<br>IN/MM |                                                            | SCALE<br>1:1       | DESIGN UNITS<br>INCH                                                                                                                    |  THIRD ANGLE PROJECTION |  |
|                                                                                                                                         |                                              |                                       | mm     | INCH                     | DRAWN BY<br>BENDERLE                                       | DATE<br>2005/04/11 | TITLE<br>AVIKRIMP FEMALE FIQD<br>16-14 AWG                                                                                              |                                                                                                              |  |
|                                                                                                                                         |                                              | 4 PLACES                              | ± ---  | ± ---                    | CHECKED BY<br>R DEROSS                                     | DATE<br>2005/04/11 |                                                                                                                                         |                                                                                                              |  |
|                                                                                                                                         |                                              | 3 PLACES                              | ± ---  | ± .005                   | APPROVED BY<br>R DEROSS                                    |                    | DATE<br>2005/04/11                                                                                                                      | MOLEX MOLEX INCORPORATED                                                                                     |  |
|                                                                                                                                         |                                              | 2 PLACES                              | ± 0.13 | ± .01                    | MATERIAL NO.<br>SEE CHART                                  |                    | DOCUMENT NO.<br>SD-19002-004                                                                                                            |                                                                                                              |  |
|                                                                                                                                         |                                              | 1 PLACE                               | ± 0.25 | ± ---                    | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                    | SIZE<br>C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                              |  |
|                                                                                                                                         |                                              | ANGULAR ±1/2°                         |        |                          |                                                            |                    |                                                                                                                                         |                                                                                                              |  |