

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [0190030049](#)  
**Status:** **Active**  
**Description:** InsulKrimp™ Quick Disconnect, Female, for 14-16 (2.00-1.30), Mylar Tape, Tab 6.35mm (.250") x 0.81mm (.032")

**Documents:**  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-19902-008 \(PDF\)](#)

**Agency Certification**

CSA LR18689  
UL E79133

**General**

Product Family Quick Disconnects  
Series [19003](#)  
Comments Funnel Entry  
Crimp Quality Equipment Yes  
Product Name InsulKrimp™  
Type Quick Disconnect

**Physical**

Barrel Type Closed  
Color - Resin Natural  
Flammability 94V-2  
Gender Female  
Glow-Wire Compliant No  
Insulation Nylon (PA)  
Lock to Mating Part None  
Material - Metal Brass  
Material - Plating Mating Tin  
Material - Plating Termination Tin  
Material - Resin Nylon  
Orientation Straight  
Packaging Type Adhesive Tape on Reel  
Plating min: Mating (µin) 160  
Plating min: Mating (µm) 4  
Plating min: Termination (µin) 160  
Plating min: Termination (µm) 4  
Polarized to Mating Part No  
Tab Thickness 0.81mm (.032")  
Tab Width 6.35mm (.250")  
Temperature Range - Operating -65°C to +105°C  
Termination Interface: Style Crimp or Compression  
Wire Insulation Diameter 6.60mm (.260") max.  
Wire Size AWG 14, 16  
Wire Size mm² 1.30 - 2.00

**Electrical**

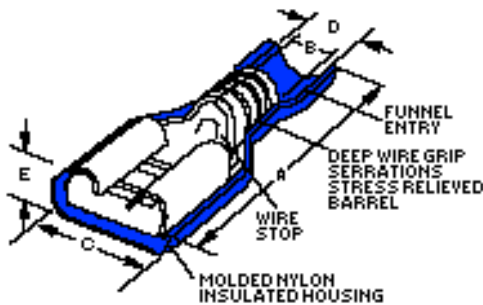
Voltage - Maximum 600V

**Material Info**

Old Part Number BB-2206XT

**Reference - Drawing Numbers**

Product Specification PS-19902-008  
Sales Drawing SD-19003-006



Series

image - Reference only

**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](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**

[19003Series](#)

**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.*

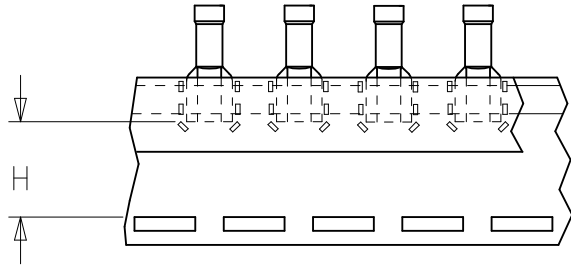
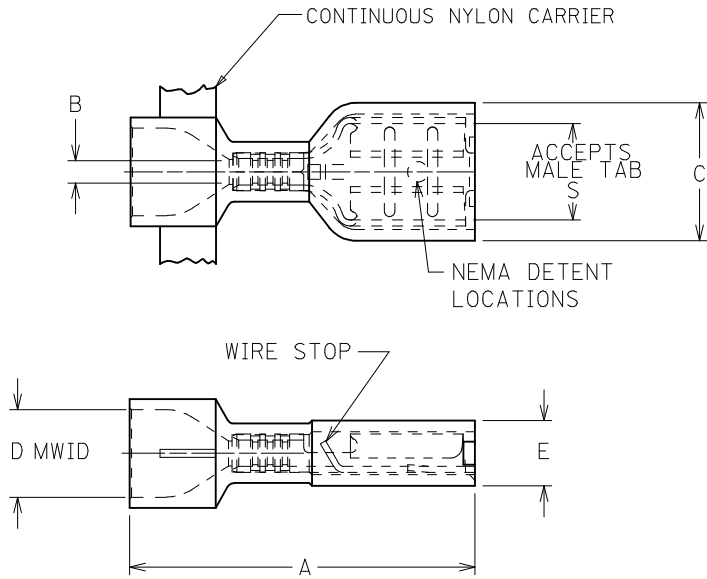
**Global**

| Description                                                                                                                                | Product #                  |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Crimp Dies for the ATP-301 Air Crimping Press for Mylar Tape Mounted Terminals and MTA-106 Tape Applicator used in Wire Processing Machine | <a href="#">0192880105</a> |
| Mini-Mac™ Applicator                                                                                                                       | <a href="#">0638854200</a> |

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| 10                      |                          | 9                      |                       | 8             |                   | 7                     |                    | 6           |             | 5           |             | 4           |                | 3 |  | 2 |  | 19003 |  |
|-------------------------|--------------------------|------------------------|-----------------------|---------------|-------------------|-----------------------|--------------------|-------------|-------------|-------------|-------------|-------------|----------------|---|--|---|--|-------|--|
| MATERIAL #<br>LOOSE PCS | MATERIAL #<br>CONTINUOUS | MATERIAL #<br>TAPE MNT | MOLEX-ETC<br>PART NO. | INS.<br>COLOR | WIRE RANGE<br>AWG | FITS MALE<br>TAB SIZE | STOCK<br>THICK REF | "A"<br>MAX  | "B"<br>MIN. | "C"<br>MAX. | "D"<br>MWID | "E"<br>MAX. | "H"<br>NOMINAL |   |  |   |  |       |  |
| I90030008               | I90030009                | I90030010              | AA-2201X              | RED           | 22-18             | .250x.032 (6.35x0.81) | .016 (0.4)         | .94 (23.9)  | .058 (1.47) | .380 (9.66) | .230 (5.84) | .180 (4.58) | .56 (14.2)     |   |  |   |  |       |  |
| NOTE 5                  | NOTE 5                   | NOTE 5                 | AA-2213X              | RED           | 22-18             | .205x.020 (5.21x0.51) | .016 (0.4)         | .86 (21.8)  | .058 (1.47) | .316 (8.03) | .230 (5.84) | .160 (4.07) | .60 (15.3)     |   |  |   |  |       |  |
| NOTE 5                  | NOTE 5                   | NOTE 5                 | AA-2214X              | PINK (B)      | 22-18             | .205x.032 (5.21x0.81) | .016 (0.4)         | .86 (21.8)  | .058 (1.47) | .316 (8.03) | .230 (5.84) | .160 (4.07) | .60 (15.3)     |   |  |   |  |       |  |
| I90030014               | I90030015                | I90030016              | AA-2202X              | RED           | 22-18             | .187x.020 (4.75x0.51) | .016 (0.4)         | .86 (21.8)  | .058 (1.47) | .316 (8.03) | .230 (5.84) | .160 (4.07) | .60 (15.3)     |   |  |   |  |       |  |
| I90030021               | I90030022                | I90030023              | AA-2203X              | PINK (B)      | 22-18             | .187x.032 (4.75x0.81) | .016 (0.4)         | .86 (21.8)  | .058 (1.47) | .316 (8.03) | .230 (5.84) | .160 (4.07) | .60 (15.3)     |   |  |   |  |       |  |
| I90030027               | I90030028                | I90030029              | AA-2204X              | RED           | 22-18             | .110x.020 (2.79x0.51) | .012 (0.3)         | .86 (21.8)  | .058 (1.47) | .230 (5.85) | .230 (5.84) | .150 (3.81) | .61 (15.5)     |   |  |   |  |       |  |
| I90030033               | I90030034                | I90030035              | AA-2205X              | PINK (B)      | 22-18             | .110x.032 (2.79x0.81) | .012 (0.3)         | .86 (21.8)  | .058 (1.47) | .230 (5.85) | .230 (5.84) | .150 (3.81) | .61 (15.5)     |   |  |   |  |       |  |
| I90030047               | I90030048                | I00030049              | BB-2206X              | BLUE          | 16-14             | .250x.032 (6.35x0.81) | .016 (0.4)         | .94 (23.9)  | .083 (2.10) | .380 (9.66) | .260 (6.60) | .180 (4.58) | .56 (14.2)     |   |  |   |  |       |  |
| NOTE 5                  | NOTE 5                   | NOTE 5                 | BB-2215X              | BLUE          | 16-14             | .205x.020 (5.21x0.51) | .016 (0.4)         | .86 (21.8)  | .083 (2.10) | .316 (8.03) | .260 (6.60) | .170 (4.32) | .60 (15.3)     |   |  |   |  |       |  |
| NOTE 5                  | NOTE 5                   | NOTE 5                 | BB-2216X              | AQUA(B)       | 16-14             | .205x.032 (5.21x0.81) | .016 (0.4)         | .86 (21.8)  | .083 (2.10) | .316 (8.03) | .260 (6.60) | .170 (4.32) | .60 (15.3)     |   |  |   |  |       |  |
| I90030053               | I90030054                | I90030055              | BB-2207X              | BLUE          | 16-14             | .187x.020 (4.75x0.51) | .016 (0.4)         | .86 (21.8)  | .083 (2.10) | .316 (8.03) | .260 (6.60) | .170 (4.32) | .60 (15.3)     |   |  |   |  |       |  |
| I90030059               | I90030060                | I90030061              | BB-2208X              | AQUA(B)       | 16-14             | .187x.032 (4.75x0.81) | .016 (0.4)         | .86 (21.8)  | .083 (2.10) | .316 (8.03) | .260 (6.60) | .170 (4.32) | .60 (15.3)     |   |  |   |  |       |  |
| I90050010               | I90050014                | I90050015              | C-2265                | YELLOW        | 12-10             | .250x.032 (6.35x0.81) | .018 (0.5)         | 1.04 (26.4) | .150 (3.81) | .380 (9.66) | .275 (6.98) | .290 (7.37) | .51 (12.9)     |   |  |   |  |       |  |



PARTS ON TAPE

CUSTOMER DRAWING

1. MATERIAL: BRASS
2. FINISH: ELECTRO-TIN PLATING
3. INSULATION: NYLON
4. MWID= MAXIMUM WIRE INSULATION DIAMETER
5. CONSULT FACTORY FOR AVAILABILITY
6. PART IS ROHS COMPLIANT.

|                                                                                                                                   |                                       |                                                                                                                                                                                                                                        |                                                                                                                                                                |              |                      |                           |                                                                                                      |              |                     |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------|---------------------------|------------------------------------------------------------------------------------------------------|--------------|---------------------|
| REDRAW, COLOR CHGS<br>EC NO: WNA2008-0135<br>DRAWN: THRODAHL 2008/09/23<br>CHKD: JMACNEIL 2008/09/23<br>APPR: JMACNEIL 2008/09/25 | QUALITY SYMBOLS<br><br>▽=0<br><br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br><br>mmINCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± ---<br>2 PLACES ± --- ± ---<br>1 PLACE ± --- ± ---<br>ANGULAR ± ---°<br><br>DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | DIMENSION STYLE<br>IN/MM<br>DRAWN BY DATE<br>RCM 1994/06/17<br>CHECKED BY DATE<br>JM 1994/06/17<br>APPROVED BY DATE<br>FP 1994/06/17<br>MATERIAL NO.<br>SIZE B | SCALE<br>--- | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION | FULLY INSULATED<br>QUICK DISCONNECTS<br>EXPANDED FLARE<br><br>MOLEX INCORPORATED<br><br>SD-19003-006 | DOCUMENT NO. | SHEET NO.<br>1 OF 1 |
|                                                                                                                                   |                                       |                                                                                                                                                                                                                                        |                                                                                                                                                                |              |                      |                           |                                                                                                      |              |                     |
|                                                                                                                                   |                                       |                                                                                                                                                                                                                                        |                                                                                                                                                                |              |                      |                           |                                                                                                      |              |                     |
|                                                                                                                                   |                                       |                                                                                                                                                                                                                                        |                                                                                                                                                                |              |                      |                           |                                                                                                      |              |                     |
|                                                                                                                                   |                                       |                                                                                                                                                                                                                                        |                                                                                                                                                                |              |                      |                           |                                                                                                      |              |                     |
| B                                                                                                                                 | REV                                   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                                                                                          |                                                                                                                                                                |              |                      |                           |                                                                                                      |              |                     |