

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [0190730005](#)  
**Status:** **Active**  
**Description:** Avikrimp™ Ring Tongue Terminal for 18 to 22 AWG Wire, Stud Size 2, Length 18.00mm (.708")

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

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR18689 |
| UL  | E32244  |

**General**

|                         |                                  |
|-------------------------|----------------------------------|
| Product Family          | Ring and Spade Terminals         |
| Series                  | <a href="#">19073</a>            |
| Comments                | Type II Insulated; Class 1 and 2 |
| Crimp Quality Equipment | Yes                              |
| Mil-Spec                | AS25036-159, MS25036-159         |
| Product Name            | Avikrimp™                        |
| Type                    | Ring                             |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Barrel Type                    | Closed               |
| Flammability                   | 94V-0                |
| Insulation                     | Nylon (PA)           |
| Material - Plating Mating      | Tin                  |
| Packaging Type                 | Bag                  |
| Plating min: Mating (µin)      | 100                  |
| Plating min: Mating (µm)       | 2.5                  |
| Plating min: Termination (µin) | 100                  |
| Plating min: Termination (µm)  | 2.5                  |
| Stud Size                      | 1-2 (M2)             |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 3.60mm (.142") max.  |
| Wire Size AWG                  | 18, 20, 22           |
| Wire Size mm²                  | 0.35 - 0.80          |

**Material Info**

|                 |           |
|-----------------|-----------|
| Old Part Number | AA-820-02 |
|-----------------|-----------|

**Reference - Drawing Numbers**

|               |              |
|---------------|--------------|
| Sales Drawing | SD-19073-002 |
|---------------|--------------|

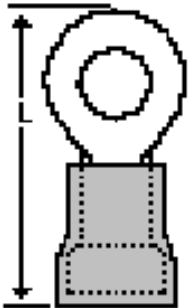


image - Reference only

**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](#)

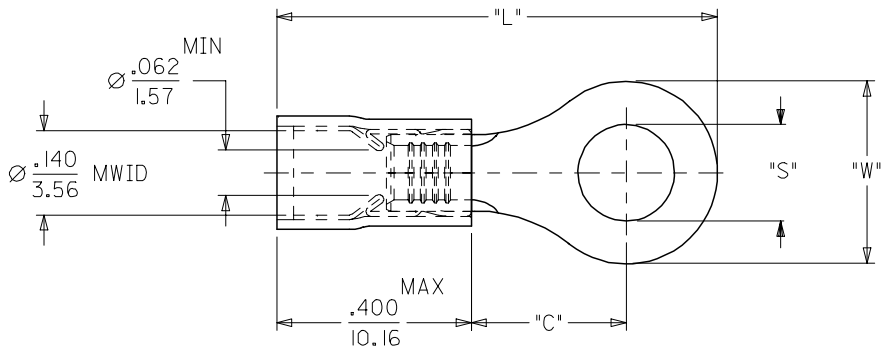
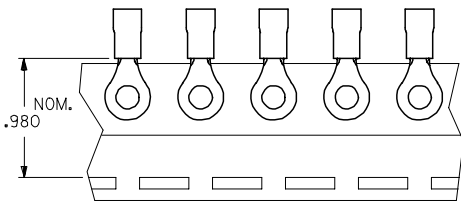
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[19073Series](#)

**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="#">0640010100</a> |
| Hand Crimp Tool                                | <a href="#">0640011200</a> |
| Crimp Head for the AT-200™ Pneumatic Hand Tool | <a href="#">0640050100</a> |
| Crimp Head for the AT-200™ Pneumatic Hand Tool | <a href="#">0640051200</a> |

|   | 10              | 9                | 8         | 7           | 6        | 5         | 4         | 3               | 2 | 19073 |
|---|-----------------|------------------|-----------|-------------|----------|-----------|-----------|-----------------|---|-------|
|   | MATERIAL NUMBER | ALTERNATE NUMBER | STUD SIZE | "S"         | "W"      | Ⓢ "C" MIN | Ⓢ "L" MAX | PACKAGING       |   |       |
| F | I90730005       | AA-820-02        | 2         | .094/(2.38) | .23(5.7) | .16(4.0)  | .71(18.0) | LOOSE<br>PIECE  |   |       |
|   | I90730007       | AA-820-04        | 4         | .119/(3.02) | .23(5.7) | .16(4.0)  | .71(18.0) |                 |   |       |
|   | I90730009       | AA-820-06        | 6         | .146/(3.71) | .23(5.7) | .16(4.0)  | .71(18.0) |                 |   |       |
|   | I90730011       | AA-821-06        | 6         | .146/(3.71) | .31(7.9) | .27(6.9)  | .87(22.0) |                 |   |       |
|   | I90730013       | AA-821-08        | 8         | .173/(4.39) | .31(7.9) | .27(6.9)  | .87(22.0) |                 |   |       |
| E | I90730017       | AA-821-10        | 10        | .198/(5.03) | .31(7.9) | .27(6.9)  | .87(22.0) | TAPE<br>MOUNTED |   |       |
|   | I90730020       | AA-821-209       | 5MM       | .209/(5.30) | .31(7.9) | .27(6.9)  | .87(22.0) |                 |   |       |
|   | I90730006       | AA-820-02T       | 2         | .094/(2.38) | .23(5.7) | .16(4.0)  | .71(18.0) |                 |   |       |
|   | I90730008       | AA-820-04T       | 4         | .119/(3.02) | .23(5.7) | .16(4.0)  | .71(18.0) |                 |   |       |
|   | I90730010       | AA-820-06T       | 6         | .146/(3.71) | .23(5.7) | .16(4.0)  | .71(18.0) |                 |   |       |
|   | I90730012       | AA-821-06T       | 6         | .146/(3.71) | .31(7.9) | .27(6.9)  | .87(22.0) |                 |   |       |
|   | I90730015       | AA-821-08T       | 8         | .173/(4.39) | .31(7.9) | .27(6.9)  | .87(22.0) |                 |   |       |
|   | I90730019       | AA-821-10T       | 10        | .198/(5.03) | .31(7.9) | .27(6.9)  | .87(22.0) |                 |   |       |
|   | I90730021       | AA-821-209T      | 5MM       | .209/(5.30) | .31(7.9) | .27(6.9)  | .87(22.0) |                 |   |       |



- NOTES:  
 1. MATERIAL: COPPER  
 PLATING: ELECTROPLATE TIN  
 2. FERRULE: TIN-PLATED BRASS  
 3. INSULATION: RED NYLON 94V2.  
 4. MWID=MAXIMUM WIRE INSULATION DIA.  
 5. ALL DIMENSIONS IN INCHES/(MM).  
 6. ASSEMBLY IS ROHS COMPLIANT.

|                                                            |                                                                                                                           |             |                                   |                                       |                                                                                                                               |                          |             |                                                                                   |                      |                                                                                                                 |            |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|-----------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------|------------|
| REV                                                        | CHART DIM. C & L<br>EC NO: ETC2007-0223<br>DRW: JHLE 2006/12/04<br>CHKD: JMACNEIL 2006/12/04<br>APPR: JMACNEIL 2006/12/06 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                                                                                                                               | DIMENSION STYLE<br>IN/MM |             | SCALE<br>4:1                                                                      | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION<br> |            |
|                                                            |                                                                                                                           |             |                                   | mm                                    | INCH                                                                                                                          | DRAWN BY                 | DATE        | TITLE<br>RING TONGUE TERMINAL<br>AVIKRIMP<br>800 SERIES<br><br>MOLEX INCORPORATED |                      |                                                                                                                 |            |
|                                                            |                                                                                                                           |             |                                   | 4 PLACES                              | ± ---                                                                                                                         | ± ---                    | HEB         |                                                                                   |                      |                                                                                                                 | 2000/09/08 |
|                                                            |                                                                                                                           |             |                                   | 3 PLACES                              | ± ---                                                                                                                         | ± .005                   | CHECKED BY  |                                                                                   |                      |                                                                                                                 | DATE       |
|                                                            |                                                                                                                           |             |                                   | 2 PLACES                              | ± 0.13                                                                                                                        | ± .01                    | RWD         |                                                                                   |                      |                                                                                                                 | 2000/09/08 |
|                                                            |                                                                                                                           |             |                                   | 1 PLACE                               | ± 0.25                                                                                                                        | ± ---                    | APPROVED BY |                                                                                   |                      |                                                                                                                 | DATE       |
| ANGULAR ±1/2°                                              |                                                                                                                           | RWD         | 2000/09/08                        | MOLEX                                 |                                                                                                                               | MOLEX INCORPORATED       |             |                                                                                   |                      |                                                                                                                 |            |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                                                                                                                           |             |                                   | MATERIAL NO.                          |                                                                                                                               | DOCUMENT NO.             |             | SHEET NO.                                                                         |                      |                                                                                                                 |            |
|                                                            |                                                                                                                           |             |                                   | SEE CHART                             |                                                                                                                               | SD-19073-002             |             | 1 OF 1                                                                            |                      |                                                                                                                 |            |
|                                                            |                                                                                                                           |             |                                   | SIZE<br>B                             | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |             |                                                                                   |                      |                                                                                                                 |            |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Экспресс доставка в любую точку России;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

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