

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

**Part Number:** [1501801020](#)  
**Status:** **Active**  
**Overview:** [EconoLatch Wire-to-Wire Interconnects](#)  
**Description:** [EconoLatch Male Terminal, 20-22 AWG, Tin \(Sn\) Plated, Reel](#)

**Documents:**

|   |   |
|---|---|
| <a href="#">Drawing (PDF)</a>                                     | <a href="#">Packaging Specification PK-150180-001-000 (PDF)</a> |
| <a href="#">Product Specification 1501760001-PS-000 (PDF)</a>     | <a href="#">Test Summary 1501760001-TS-000 (PDF)</a>            |
| <a href="#">Application Specification 1501760001-AS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**General**

|                         |   |
|-------------------------|---|
| Product Family          | Crimp Terminals                                       |
| Series                  | <a href="#">150180</a>                                |
| Application             | Power, Wire-to-Wire                                   |
| Crimp Quality Equipment | Yes   |
| Overview                | <a href="#">EconoLatch Wire-to-Wire Interconnects</a> |
| Product Name            | EconoLatch  |
| UPC                     | 889056491372  |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 25                   |
| Gender                         | Male                 |
| Material - Metal               | Brass                |
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 0.124/g              |
| Packaging Type                 | Reel                 |
| Plating min - Mating           | 0.508µm              |
| Plating min - Termination      | 0.508µm              |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 1.20-1.80mm          |
| Wire Size AWG                  | 20, 22               |
| Wire Size mm <sup>2</sup>      | 0.32-0.51            |

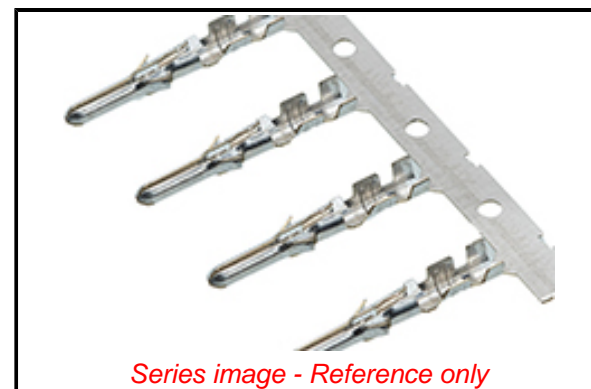
**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 7.5A |
| Voltage - Maximum             | 400V |

**Material Info**

**Reference - Drawing Numbers**

|                           |                    |
|---------------------------|--------------------|
| Application Specification | 1501760001-AS-000  |
| Packaging Specification   | PK-150180-001-000  |
| Product Specification     | 1501760001-PS-000  |
| Sales Drawing             | SD-150180-0001-000 |
| Test Summary              | 1501760001-TS-000  |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/88/2018 (15  
January 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[150180 Series](#)

**Use With**

EconoLatch Plug Housing [150176](#) , [150177](#)

**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 #                 |
|---|---------------------------|
| Manual Extraction Tool  | <a href="#">11030002</a>  |
| Hand Crimp Tool for EconoLatch Male and Female Terminals, 20 AWG UL1007and UL1061 wires | <a href="#">638280700</a> |
| Hand Crimp Tool for EconoLatch Male and Female  | <a href="#">638280800</a> |

Terminals, 22 AWG  
UL1007and UL1061  
wires  
FineAdjust Applicator639036300  
for EconoLatch  
Crimp Terminals,  
20-22 AWG  
Fine Adjust 639036400  
Applicator for  
EconoLatch Crimp  
Terminals, 20-22  
AWG  
Fine Adjust 639036500  
Applicator for  
EconoLatch Crimp  
Terminals, Optimized  
for 22AWG, UL1061  
wire

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