

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

**Part Number:** [0559591230](#)  
**Status:** **Active**  
**Overview:** [MicroClasp Wire-to-Board System](#)  
**Description:** 2.00mm Pitch MicroClasp Wire-to-Board Header, Dual Row, Right Angle, 12 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification PS-51353-010-001 (PDF)</a>    |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification SPK-55959-001-001 (PDF)</a> |
| <a href="#">Product Specification PS-51353-003-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**Agency Certification**

UL E29179

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers                                     |
| Series         | <a href="#">55959</a>                           |
| Application    | Signal, Wire-to-Board                           |
| Overview       | <a href="#">MicroClasp Wire-to-Board System</a> |
| Product Name   | MicroClasp                                      |
| UPC            | 756054218341                                    |

**Physical**

|                                |               |
|--------------------------------|---------------|
| Breakaway                      | No            |
| Circuits (Loaded)              | 12            |
| Circuits (maximum)             | 12            |
| Color - Resin                  | Natural       |
| Durability (mating cycles max) | 30            |
| First Mate / Last Break        | No            |
| Glow-Wire Capable              | No            |
| Guide to Mating Part           | No            |
| Keying to Mating Part          | None          |
| Lock to Mating Part            | Yes           |
| Material - Plating Mating      | Tin           |
| Material - Plating Termination | Tin           |
| Material - Resin               | Polyester     |
| Net Weight                     | 1700.000/mg   |
| Number of Rows                 | 2             |
| Orientation                    | Right Angle   |
| PC Tail Length                 | 3.20mm        |
| PCB Locator                    | No            |
| PCB Retention                  | Yes           |
| PCB Thickness - Recommended    | 1.60mm        |
| Packaging Type                 | Tray          |
| Pitch - Mating Interface       | 2.00mm        |
| Shrouded                       | Fully         |
| Stackable                      | No            |
| Surface Mount Compatible (SMC) | No            |
| Temperature Range - Operating  | -25° to +85°C |
| Termination Interface: Style   | Through Hole  |

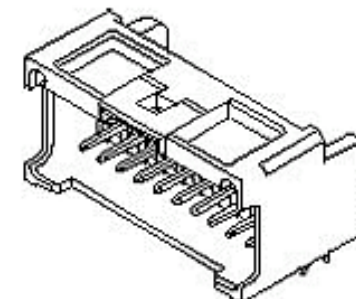
**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 3.0A |
| Voltage - Maximum             | 250V |

**Material Info**

**Reference - Drawing Numbers**

|                         |                   |
|-------------------------|-------------------|
| Packaging Specification | SPK-55959-001-001 |
|-------------------------|-------------------|



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Not 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**

[55959](#) Series

**Mates With**

[51353](#) MicroClasp Wire-to-Board Receptacle Housing

This document was generated on 10/02/2018

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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[55959-1230](#)