

General Information

| | |
|---------------------------|---|
| Part Number: | 76650-0135 |
| Manufacturer: | Molex / Waldom |
| Title: | MicroClasp Connector Kit |
| Description: | Positive Lock Through Hole Right Angle Header and Receptacle |
| Product Family: | MicroClasp™ |
| Certificates: | (Molex Parts within this kit) - EU and China RoHS Compliant, UL and CSA |
| Country of Origin: | Kit assembled in U.S.A. |

Specifications

Design

| | |
|------------------------|-----------------------|
| Configuration: | Wire-to-Board |
| Pitch: | 2.00mm (.079") |
| Connector Type: | Receptacle and Header |

Mounting

| | |
|------------------------|-------------------|
| Orientation: | Right Angle |
| Circuit Sizes: | 8,12,14,18 and 20 |
| Current Rating: | 3 Amps |
| Voltage: | 250 Volts |
| Wire size: | 28-22 AWG |

Product Highlights

Provides space savings and easy mating/unmating compared to similar 2.00mm (.079") and 2.50mm (.098") pitch wire-to-board systems. MicroClasp includes a unique inner positive lock that provides latch protection, secure retention and an audible mating "click". The terminal design offers low insertion and withdrawal forces and is able to carry 3.0A current in a compact 2.00mm (.079") pitch design. MicroClasp system is available in 2-40 circuits in SMT and through-hole designs, and in single and dual-row versions.

Features and Benefits

- 2.00mm (.079") pitch for PCB space savings
- Inner positive lock for latch protection
- High-current contacts can carry up to 3.0A
- Low insertion force terminal design for easy mating/unmating

Applications

- Vending/gaming machines
- Automotive
- White goods
- Medical
- Industrial

[For additional Molex / Waldom Design and Solution kits please go to www.molexkits.com](http://www.molexkits.com)

Bill of Materials for Part No. 76650-0135

| Molex Part No. | Country of Origin | Description | Quantity in Kit |
|----------------|-------------------|---|-----------------|
| 55959-0830 | Japan | 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Right Angle, 8 Circuits | 5 |
| 51353-0800 | Japan | 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Receptacle Housing, Positive Lock, Dual Row, 8 circuits | 5 |
| 55959-1430 | Japan | 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Right Angle, 14 Circuits | 5 |
| 51353-1400 | Japan | 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Receptacle Housing, Positive Lock, Dual Row, 14 circuits | 5 |
| 55959-1230 | Japan | 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Right Angle, 12 Circuits | 5 |
| 51353-1200 | Japan | 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Receptacle Housing, Positive Lock, Dual Row, 12 circuits | 5 |
| 55959-2030 | Japan | 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Right Angle, 20 Circuits | 5 |
| 51353-2000 | Japan | 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Receptacle Housing, Positive Lock, Dual Row, 20 circuits | 5 |
| 55959-1830 | Japan | 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Header, Dual Row, Right Angle, 18 Circuits | 5 |
| 51353-1800 | Japan | 2.00mm (.079") Pitch MicroClasp™ Wire-to-Board Receptacle Housing, Positive Lock, Dual Row, 18 circuits | 5 |
| 56134-9100-C | Japan | Crimp Terminal 56134, Female, 22-28 AWG | 100 |

Recommended Molex Tool(s) for Part No. 76650-0135*

| Molex Part No. | Country of Origin | Description |
|----------------|-------------------|-----------------|
| 63811-6300 * | Germany | Hand crimp tool |
| 63813-2700 * | USA | Extraction tool |

*Tool(s) not included in kit. Tool(s) ordered separately.