

## General Information

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

## Specifications

### Design

<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	2.00mm (.079")
<b>Connector Type:</b>	Receptacle and Header

### Mounting

<b>Orientation:</b>	Right Angle
<b>Circuit Sizes:</b>	8,12,14,18 and 20
<b>Current Rating:</b>	3 Amps
<b>Voltage:</b>	250 Volts
<b>Wire size:</b>	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

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### 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.