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the connector kit specialist

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 insertioon 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.

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ООО «НИОКР СИТЕМС»
Москва, 125362, Россия, ул. Вишневая, д. 9, к. 1, Блок 104 а и 104 в

Телефон: 8 (495) 268-14-82
Email: n@nsistems.ru

ИНН: 7735154786
ОГРН: 1167746717709