

Datasheet for 76650-0150

General Information

Kit Part Number:	76650-0150
Connector Type:	Wire-to-Board, Wire-to-Wire
Solution:	Off the Board and Free Hanging Connectors
Molex Family:	CLIK-Mate™ 2.0 , MicroClasp™, PanelMate™, Pico-SPOX™, Sherlock™, Multiple Families
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	12, 14, 2, 3, 4, 6, 8, 9
Current Rating:	1A, 2A, 3A
Mounting Style:	Panel Mount, PCB Through Hole, SMT (Surface Mount Technology)
Orientation:	Plugs, Receptacles, Right Angle Headers, Vertical Headers
Pitch:	1.25mm (.049"), 1.50mm (.098"), 2.00mm (.079")
Tool Included:	No
Voltage Rating:	125V, 250V, 30V, 50V
Wire Gauge (AWG):	26-22, 30-24, 30-28, 32-30

Product Highlights

Molex's PanelMate™ series is an ultra low-profile connector system designed for tight packaging applications. - Molex's new CLIK-Mate™ connectors provide dual positive locks and a superior audible "click" to help ensure connectors are fully mated. - The Sherlock™ system utilizes Molex's proven 50212 terminal, along with a positive lock housing. - Molex's new MicroClasp™ system provides space savings and easy mating/unmating, plus, includes a unique inner positive lock that provides latch protection, secure retention and an audible mating "click". - Pico-Spox™ provides Anti-fishhooking box design protects contact area.

Features and Benefits

- Tuning fork style contact design Secure contact, and avoids terminal stubbing
- Flat area for pick-and-place Easy automatic board placement
- Audible "click", low insertion force and secure mating / Inner positive lock Latch protection, secure mating, audible "click"
- Box-style contact Protects contact area / Two-point contact design Secure electrical contact, High current capable
- Polarizing features Ensures proper mating / Reinforced metal solder tabs Secure PCB retention
- Friction lock Good mating retention

Applications

- Appliances
- White Goods
- Automotive
- Home Applications LCD/PDP TVs Consumer
- Computer Data Communication Equipment
- Vending and Gaming
- Industrial and Business Equipment
- Office machines
- Medical

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- Any application requiring superior mating assurance

Bill of Materials

Molex Part No.	Description	Quantity
50753-8141	PanelMate™ Female Terminal 32-30 AWG	25
50641-8141	PanelMate™ Female Terminal 30-28 AWG	25
51146-0200	1.25mm (.049") Pitch PanelMate™, 2 Circuit, Ultra Low-Profile Receptacle	2
51146-0600	1.25mm (.049") Pitch PanelMate™, 6 Circuit, Ultra Low-Profile Receptacle	2
51146-0900	1.25mm (.049") Pitch PanelMate™, 9 Circuit Ultra Low-Profile Receptacle	2
53780-0270	1.25mm (.049") Pitch PanelMate™, 2 Circuit, Right Angle Header	2
53780-0970	1.25mm (.049") Pitch PanelMate™, 9 Circuit Right Angle Header	2
53780-0670	1.25mm (.049") Pitch PanelMate™, 6 Circuit Right Angle Header	2
502438-0100	CLIK-Mate™ Male Crimp Terminal, 26-22 AWG Loose	50
502439-0400	2.00mm (.079") Pitch, CLIK-Mate™ 4 Circuit, Plug Housing	2
502439-0600	2.00mm (.079") Pitch, CLIK-Mate™ 6 Circuit, Plug Housing	2
502439-0800	2.00mm (.079") Pitch, CLIK-Mate™ 8 Circuit, Plug Housing	2
502494-0470	2.00mm (.079") Pitch CLIK-Mate™ 4 Circuit Receptacle, Right Angle SMT	2
502494-0670	2.00mm (.079") Pitch CLIK-Mate™ 6 Circuit Receptacle, Right Angle SMT	2
502494-0870	2.00mm (.079") Pitch CLIK-Mate™ 8 Circuit Receptacle, Right Angle SMT	2
87421-0000	Pico-Spox™ Female Crimp Terminal Tin, 24-30 AWG	100
87437-0343	1.50mm (.098") Pitch Pico-Spox™ SMT Vertical Header, 3 Circuits	2
87437-0243	1.50mm (.059") Pitch Pico-Spox™ SMT Vertical Header, 4 Circuits	2
87437-0643	1.50mm (.059") Pitch Pico-Spox™ SMT Vertical Header, 6 Circuits	2
87438-0343	1.50mm (.098") Pitch Pico-Spox™ SMT Right Angle Header, 3 Circuits	2
87438-0443	1.50mm (.059") Pitch Pico-Spox™ SMT Right Angle Header, 4 Circuits	2
87438-0643	1.50mm (.059") Pitch Pico-Spox™ SMT Right Angle Header, 6 Circuits	2
87439-0300	1.50mm (.059") Pitch Pico-Spox™ Receptacle, 3 Circuits	2
87439-0400	1.50mm (.059") Pitch Pico-Spox™ Receptacle, 4 Circuits	2
87439-0600	1.50mm (.059") Pitch Pico-Spox™ Receptacle, 6 Circuits	2
50212-8100	Micro-Latch™ Female Crimp Terminal, 30-24 AWG	100
35507-0300	2.00mm (.079") Pitch, Sherlock™ 3 Circuit, Receptacle Housing	2
35507-0400	2.00mm (.079") Pitch, Sherlock™ 4 Circuit, Receptacle Housing	2
35507-0600	2.00mm (.079") Pitch, Sherlock™ 6 Circuit, Receptacle Housing	2
35362-0350	2.00mm (.079") Pitch Sherlock™ 3 Circuit Vertical Header	2
35362-0450	2.00mm (.079") Pitch Sherlock™ 4 Circuit Vertical Header	2
35362-0650	2.00mm (.079") Pitch Sherlock™ 6 Circuit Vertical Header	2
35363-0360	2.00mm (.079") Pitch, Sherlock™ 3 Circuit, Right Angle Header	2
35363-0460	2.00mm (.079") Pitch, Sherlock™ 4 Circuit, Right Angle Header	2
56134-9100	MicroClasp™ Female Terminal, 26-22 AWG	25
51353-0800	2.00mm (.079") Pitch MicroClasp™ 8 Circuit Receptacle Dual Row	2
51353-1200	2.00mm (.079") Pitch MicroClasp™ 12 Circuit Receptacle Dual Row	2
51353-1400	2.00mm (.079") Pitch MicroClasp™ 14 Circuit Receptacle Dual Row	2
55959-0830	2.00mm (.079") Pitch MicroClasp™ 8 Circuit Right Angle Header, Dual Row	2
55959-1230	2.00mm (.079") Pitch MicroClasp™ 12 Circuit Right Angle Header, Dual Row	2
55959-1430	2.00mm (.079") Pitch MicroClasp™ 14 Circuit Right Angle Header, Dual Row	2
502443-0470	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT, 4 Circuits	2
502443-0670	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT, 6 Circuits	2
502443-0870	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT, 8 Circuits	2
502443-0670	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT, 6 Circuits	2

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35363-0660	2.00mm (.079") Pitch, Sherlock™ 6 Circuit, Right Angle Header	2
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Recommended Molex Tool

Molex Part No.

Description

see Datasheet	No Additional Information
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