

Datasheet for 76650-0230

General Information

Kit Part Number:	76650-0230
Connector Type:	Wire-to-Board
Solution:	Off the Board
Molex Family:	Micro-Latch™, Mini-Latch™, Mini-Lock™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	3, 4, 6
Current Rating:	0.5-2A, 1.5-3A, 3A
Mounting Style:	PCB Through Hole
Orientation:	Receptacles, Vertical Headers
Pitch:	2.00mm (.079"), 2.50mm (.098")
Tool Included:	No
Voltage Rating:	125V, 250V
Wire Gauge (AWG):	28-22, 30-24

Product Highlights

Mini-Lock™ is a versatile wire-to-board system from Molex for a broad range of 2.50mm (.098") pitch industry standard applications. The kit includes vertical headers. Mini-Lock™ is fully shrouded to protect contacts, and includes high guide walls to facilitate mating. Mini-Latch™ connectors provide a reliable interface for industry-standard 2.50mm (.098") wire-to-board applications. The system includes a box-style contact design and housing-side terminal latch to provide protection to the contact area during and after assembly. The durable housing also includes guide rails and molded tabs to facilitate mating and unmating. Micro-Latch™ connectors provide a reliable connection interface for industry standard 2.00mm (.079") wire-to-board applications. The kit includes female crimp terminals, receptacle housings and semi-shrouded vertical headers. The connector applies a friction lock mechanism where the noses on the receptacle housings slide into the header wall openings. This ensures a durable mating and protection of the electrical circuits.

Features and Benefits

- Four point contact design for good electrical reliability
- Box-style contact protects contact area
- Polarizing features ensures proper mating
- Friction lock for good mating retention
- Surface Mount Component vertical header is reflow process capable
- Fully shrouded headers to protect pins
- Uses popular terminals
- Thumb-latch locking feature for easy mating and unmating
- High guide walls to facilitate mating

Applications

- Data Communication Equipment
- White goods
- Vending machines

- Home Entertainment
- Automotive
- PCs and Monitors
- Printers/Faxes
- TVs
- PDAs

Bill of Materials

Molex Part No.	Description	Quantity
50212-8100	Micro-Latch™ Female Crimp Terminal, 30-24 AWG	50
51065-0300	2.00mm (.079") Pitch Micro-Latch™ Receptacle, 3 Circuits	5
51065-0400	2.00mm (.079") Pitch Micro-Latch™ Receptacle, 4 Circuits	5
51065-0600	2.00mm (.079") Pitch Micro-Latch™ Receptacle 6 Circuits	5
51065-0800	2.00mm (.079") Pitch Micro-Latch™ Receptacle, 8 Circuits	0
53253-0370	2.00mm (.079") Pitch Micro-Latch™ Vertical Header, 3 Circuits	5
53253-0470	2.00mm (.079") Pitch Micro-Latch™ Vertical Header, 4 Circuits	5
53253-0670	2.00mm (.079") Pitch Micro-Latch™ Vertical Header, 6 Circuits	5
50802-9101	Mini-Latch™ Female Crimp Terminal, 28-22 AWG	50
51103-0300	2.50mm (.098") Pitch, Mini-Lock™ Receptacle, 3 Circuits	5
51103-0400	2.50mm (.098") Pitch, Mini-Lock™ Receptacle, 4 Circuits	5
51103-0600	2.50mm (.098") Pitch Mini-Lock™ Receptacle, 6 Circuits	5
53375-0310	2.50mm (.098") Pitch, Mini-Lock™ Vertical Header, 3 Circuits	5
53375-0410	2.50mm (.098") Pitch, Mini-Lock™ Vertical Header, 4 Circuits	5
53375-0610	2.50mm (.098") Pitch Mini-Lock™ Vertical Header, 6 Circuits	5
50351-8100	Mini-Lock™ Female CrimpTerminal, 28-22 AWG	50
51191-0300	2.50mm (.098") Pitch Mini-Latch™ Receptacle, 3 Circuits	5
51191-0400	2.50mm (.098") Pitch Mini-Latch™ Receptacle, 4 Circuits	5
51191-0600	2.50mm (.098") Pitch Mini-Latch™ Receptacle, 6 Circuits	5
22-04-1031	2.50mm (.098") Pitch Vertical Header, 3 Circuits	5
22-04-1041	2.50mm (.098") Pitch Vertical Header, 4 Circuits	5
22-04-1061	2.50mm (.098") Pitch Vertical Header, 6 Circuits	5

Recommended Molex Tool

Molex Part No.	Description
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Mouser Electronics

Authorized Distributor

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Molex:

76650-0230