



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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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