

## Excellent Integrated System Limited

Stocking Distributor

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[Molex Connector Corporation](#)  
[76650-0230](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

## Datasheet for 76650-0230

### General Information

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

### Specifications

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