

Datasheet for 76650-0230

General Information

| | |
|---------------------------|---------------------------------------|
| Kit Part Number: | 76650-0230 |
| Connector Type: | Wire-to-Board |
| Solution: | Off the Board Connectors |
| 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

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- 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 |
|----------------------------------|-------------------------------------|
| 63811-5200 (not included in kit) | Click for more info |
| 63819-0500 (not included in kit) | Click for more info |