

## Datasheet for 76650-0225

### General Information

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| <b>Part Number:</b>       | 76650-0225                                                              |
| <b>Manufacturer:</b>      | Molex / Waldom                                                          |
| <b>Title:</b>             | Mini-Latch Connector Kit                                                |
| <b>Description:</b>       | Friction Lock Vertical Header and Receptacle                            |
| <b>Product Family:</b>    | Mini-Latch™                                                             |
| <b>Certificates:</b>      | (Molex parts within this kit) - EU and China RoHS Compliant, UL and CSA |
| <b>Country of Origin:</b> | Kit assembled in U.S.A.                                                 |

### Specifications

#### Design

|                        |                       |
|------------------------|-----------------------|
| <b>Configuration:</b>  | Wire-to-Board         |
| <b>Pitch:</b>          | 2.50mm (.098")        |
| <b>Connector Type:</b> | Receptacle and Header |

#### Mounting

|                       |                                 |
|-----------------------|---------------------------------|
| <b>Orientation:</b>   | Vertical                        |
| <b>Circuit Sizes:</b> | 3, 4 and 6 Circuits             |
| <b>Current:</b>       | (1.5 - 3) Amps depending on AWG |
| <b>Voltage:</b>       | 250 Volts                       |
| <b>Wire size:</b>     | 28-22 AWG                       |

### Product Highlights

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.

#### Features and Benefits

- Friction lock provides good mating retention
- Box-style contact protects contact area
- Polarizing features ensures proper mating
- Guide rails and molded ledges facilitates mating and unmating

#### Applications

- Data communication equipment
- Printers and faxes
- PCs and monitors
- Automotive

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### Bill of Materials for Part No. 76650-0225

| Molex Part No. | Country<br>of Origin | Description                                              | Quantity in<br>Kit |
|----------------|----------------------|----------------------------------------------------------|--------------------|
| 50802-9101     | Japan                | Mini-Latch™ Female Crimp Terminals 28-22 AWG             | 65                 |
| 51191-0300     | Japan                | 2.50mm (.098") Pitch Mini-Latch™ Receptacles, 3 Circuits | 5                  |
| 51191-0400     | Japan                | 2.50mm (.098") Pitch Mini-Latch™ Receptacles, 4 Circuits | 5                  |
| 51191-0600     | Japan                | 2.50mm (.098") Pitch Mini-Latch™ Receptacles, 6 Circuits | 5                  |
| 22-04-1031     | China                | 2.50mm (.098") Pitch Vertical Header 3 Circuits          | 5                  |
| 22-04-1041     | China                | 2.50mm (.098") Pitch Vertical Header 4 Circuits          | 5                  |
| 22-04-1061     | China                | 2.50mm (.098") Pitch Vertical Header 6 Circuits          | 5                  |

### Recommended Molex Tool(s) for Part No. 76650-0225\*

| Molex Part No. | Country<br>of Origin | Description     |
|----------------|----------------------|-----------------|
| 63811-5200 *   | Germany              | Hand Crimp Tool |

\*Tool(s) not included in kit. Tool(s) ordered separately.