

## Datasheet for 76650-0164

### General Information

<b>Part Number:</b>	76650-0164
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	CLIK-Mate Connector Kit
<b>Description:</b>	SMT Dual Positive lock Vertical and Right Angle Plug and Receptacle, 2.0mm (.079") Pitch
<b>Product Family:</b>	CLIK-Mate™
<b>Certificates:</b>	(Molex Parts within this kit) - EU 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>	2.0mm (.079")
<b>Connector Type:</b>	Plugs and Receptacles
<b>Mounting</b>	
<b>Orientation:</b>	Right Angle and Vertical
<b>Circuit sizes:</b>	4, 6, 8, 12, and 14
<b>Current Rating:</b>	3 Amps
<b>Voltage Rating:</b>	250 Volts AC(RMS) / Volts DC
<b>Wire size:</b>	(26-22) AWG

### Product Highlights

Molex's new 2.00mm pitch SMT CLIK-Mate connectors provide dual positive locks and a superior audible "click" to help ensure connectors are fully mated. CLIK-Mate was designed for applications such as LCD TVs that require higher pin count connectors to carry more signal lines in less space. The system includes a unique tuning-fork terminal concept that provides low insertion force and secure mating contact. The system is available in both vertical and right angle versions in 4 to 14 circuits to meet various application needs.

### Features and Benefits

### Applications

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| <ul style="list-style-type: none"> <li>• Robust single positive inner lock (below 8 circuits), audible "click", low insertion force and secure mating</li> <li>• Flat area for pick-and-place, no costly capton tape needed</li> <li>• Tuning fork style contact design, secure contact, and avoids terminal stubbing</li> <li>• Low insertion force, easy and quick mating for operators</li> <li>• Reinforced metal solder tabs, housing wall support and secure PCB retention</li> </ul> | <ul style="list-style-type: none"> <li>• LCD/PDP Televisions</li> <li>• Gaming/Pachinko</li> <li>• Data Communication Equipment</li> <li>• Any application requiring superior mating assurance</li> </ul> |
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**Bill of Materials for Part No. 76650-0164**

Molex Part No.	Country of Origin	Description	Quantity in Kit
502438-0100	Japan	CLIK-Mate™ Crimp Terminal Male (26-22) AWG for 2.0mm (.079") Pitch	100
502439-0400	Japan	2.0mm (.079") Pitch CLIK-Mate™ Plug Housing 4 Circuits	5
502439-0600	Japan	2.0mm (.079") Pitch CLIK-Mate™ Plug Housing 6 Circuits	5
502439-0800	Japan	2.0mm (.079") Pitch CLIK-Mate™ Plug Housing 8 Circuits	4
502439-1200	Japan	2.0mm (.079") Pitch CLIK-Mate™ Plug Housing 12 Circuits	3
502439-1400	Japan	2.0mm (.079") Pitch CLIK-Mate™ Plug Housing 14 Circuits	3
502443-0470	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT 4 Circuits	5
502443-0670	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT 6 Circuits	5
502443-0870	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT 8 Circuits	4
502443-1270	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT 12 Circuits	3
502443-1470	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT 14 Circuits	3
502494-0470	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT 4 Circuits	5
502494-0670	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT 6 Circuits	5
502494-0870	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT 8 Circuits	4
502494-1270	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT 12 Circuits	3

**For additional Molex / Waldom Design and Solution Kits please go to [www.molexkits.com](http://www.molexkits.com)**

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502494-1470	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT 14 Circuits	3
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#### Recommended Molex Tool(s) for Part No. 76650-0164\*

Molex Part No.	Country of Origin	Description
63819-2800 *	Sweden	Crimp Hand Tool (22-26) AWG
11-03-0043 *	USA	Extraction Tool

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