

## 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

Datasheet for 76650-0164

- Robust single positive inner lock (below 8 circuits), audible "click", low insertion force and secure mating
  - Flat area for pick-and-place, no costly capton tape needed
  - Tuning fork style contact design, secure contact, and avoids terminal stubbing
  - Low insertion force, easy and quick mating for operators
  - Reinforced metal solder tabs, housing wall support and secure PCB retention
- LCD/PDP Televisions
  - Gaming/Pachinko
  - Data Communication Equipment
  - Any application requiring superior mating assurance

**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)**

Datasheet for 76650-0164

502494-1470	Japan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT 14 Circuits	3
-------------	-------	--	---

**Recommended Molex Tool(s) for Part No. 76650-0164\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
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.