

Datasheet for 76650-0164

General Information

Part Number:	76650-0164
Manufacturer:	Molex / Waldom
Title:	CLIK-Mate Connector Kit
Description:	SMT Dual Positive lock Vertical and Right Angle Plug and Receptacle, 2.0mm (.079") Pitch
Product Family:	CLIK-Mate™
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration:	Wire-to-Board
Pitch:	2.0mm (.079")
Connector Type:	Plugs and Receptacles
Mounting	
Orientation:	Right Angle and Vertical
Circuit sizes:	4, 6, 8, 12, and 14
Current Rating:	3 Amps
Voltage Rating:	250 Volts AC(RMS) / Volts DC
Wire size:	(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

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

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- 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

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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.