

Datasheet for 76650-0164

General Informatio	n			
Part Number:	76650-0164			
Manufacturer:	Molex / Waldom			
Title:	CLIK-Mate Connector Kit SMT Dual Positive lock Vertical and Right Angle Plug and Receptacle, 2.0mm (.079")			
Description:	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: Mounting	Plugs and Receptacles			
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			

Features and Benefits

Applications

circuits to meet various application needs.

1801 Morgan Street Rockford, Illinois 61102 800-435-2931 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

Bill of Materials for Part No. 76650-0164

- LCD/PDP Televisions
- Gaming/Pachinko
- Data Communication Equipment
- Any application requiring superior mating assurance

Molex Part No.	Country of Origin	Description	Quantity in Kit
		CLIK-Mate [™] Crimp Terminal Male (26-22) AWG for 2.0mm	
502438-0100	Japan	(.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
			0
502439-1200	Japan	2.0mm (.079") Pitch CLIK-Mate™ Plug Housing 12 Circuits	3
500400 4400	lanan	2.0mm (070") Ditch CLIK MateTM Dlug Housing 14 Circuite	2
502439-1400	Japan	2.0mm (.079") Pitch CLIK-Mate [™] Plug Housing 14 Circuits	3
502443-0470	lanan	2.0mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT 4 Circuits	5
502445-0470	Japan	2.0mm (.079") Pitch CLIK-Mate [™] Receptacle Vertical SMT 6	5
502443-0670	Japan	Circuits	5
502445 0070	Japan	2.0mm (.079") Pitch CLIK-Mate [™] Receptacle Vertical SMT 8	5
502443-0870	Japan	Circuits	4
		2.0mm (.079") Pitch CLIK-Mate [™] Receptacle Vertical SMT 12	
502443-1270	Japan	Circuits	3
		2.0mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT 14	
502443-1470	Japan	Circuits	3
		2.0mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT	
502494-0470	Japan	4 Circuits	5
		2.0mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT	
502494-0670	Japan	6 Circuits	5
		2.0mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT	
502494-0870	Japan	8 Circuits	4
		2.0mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT	_
502494-1270	Japan	12 Circuits	3

For additional Molex / Waldom Design and Solution Kits please go to www.molexkits.com



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

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

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

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