

Datasheet for 76650-0164

General Information

Kit Part Number:	76650-0164
Connector Type:	Wire-to-Board
Solution:	Off the Board Connectors
Molex Family:	CLIK-Mate™ 2.0
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	12, 14, 4, 6, 8
Current Rating:	3A
Mounting Style:	SMT (Surface Mount Technology)
Orientation:	Receptacles, Right Angle Plugs, Vertical Plugs
Pitch:	2.00mm (.079")
Tool Included:	No
Voltage Rating:	250V
Wire Gauge (AWG):	26-22

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

- 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

Applications

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

Bill of Materials

Molex Part No.	Description	Quantity
502438-0100	CLIK-Mate™ Male Crimp Terminal, 26-22 AWG Loose	100
502439-0400	2.00mm (.079") Pitch, CLIK-Mate™ 4 Circuit, Plug Housing	5
502439-0600	2.00mm (.079") Pitch, CLIK-Mate™ 6 Circuit, Plug Housing	5
502439-0800	2.00mm (.079") Pitch, CLIK-Mate™ 8 Circuit, Plug Housing	4
502439-1200	2.00mm (.079") Pitch CLIK-Mate™ Plug Housing, 12 Circuits	3
502439-1400	2.00mm (.079") Pitch CLIK-Mate™ Plug Housing, 14 Circuits	3
502443-0470	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT, 4 Circuits	5
502443-0670	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT, 6 Circuits	5
502443-0870	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT, 8 Circuits	4
502443-1270	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT, 12 Circuits	3
502443-1470	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Vertical SMT, 14 Circuits	3
502494-0470	2.00mm (.079") Pitch CLIK-Mate™ 4 Circuit Receptacle, Right Angle SMT	5
502494-0670	2.00mm (.079") Pitch CLIK-Mate™ 6 Circuit Receptacle, Right Angle SMT	5
502494-0870	2.00mm (.079") Pitch CLIK-Mate™ 8 Circuit Receptacle, Right Angle SMT	4
502494-1270	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT, 12 Circuits	3
502494-1470	2.00mm (.079") Pitch CLIK-Mate™ Receptacle Right Angle SMT, 14 Circuits	3

Recommended Molex Tool

Molex Part No.	Description
63819-2800 (not included in kit)	Click for more info
11-03-0043 (not included in kit)	Click for more info