

## Datasheet for 76650-0185

### General Information

<b>Part Number:</b>	76650-0185
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	CLIK-Mate Connector Kit
<b>Description:</b>	SMT Dual Positive lock Vertical and Right Angle Receptacle and Plug, 1.25mm (.050") 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>	1.25mm (.049")
<b>Connector Type:</b>	Plugs and Receptacles
<b>Mounting</b>	
<b>Orientation:</b>	Right Angle and Vertical
<b>Circuit sizes:</b>	2, 3, 4, 5 and 6
<b>Current Rating:</b>	1 Amp
<b>Voltage Rating:</b>	50 VoltsAC(RMS) / VoltsDC
<b>Wire size:</b>	28-26 AWG

### Product Highlights

Molex's new 1.25mm pitch CLIK-Mate series has a superior lock design that offers easier use and better mating retention, compared to competitive versions. The system also provides about 60% space savings compared to similar dual-lock 2.0mm pitch versions. CLIK-Mate 1.25 was designed for applications, such as LCD TVs, that require higher pin count connectors to carry more signal lines in less space. This system has a similar design to Molex's CLIK-Mate 2.0 family and includes many of the same features.

**Datasheet for 76650-0185**

Features and Benefits	Applications
<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>

**Bill of Materials for Part No. 76650-0185**

Molex Part No.	Country of Origin	Description	Quantity in Kit
502381-0000-C	Japan	CLIK-Mate™ Male Terminal for 1.25mm (.049") Pitch	100
502382-0270	Japan	1.25mm (.049") Pitch 2 Circuit CLIK-Mate™ Vertical Receptacle	5
502382-0370	Japan	1.25mm (.049") Pitch 3 Circuit CLIK-Mate™ Vertical Receptacle	5
502382-0470	Japan	1.25mm (.049") Pitch 4 Circuit CLIK-Mate™ Vertical Receptacle	5
502382-0570	Japan	1.25mm (.049") Pitch 5 Circuit CLIK-Mate™ Vertical Receptacle	3
502382-0670	Japan	1.25mm (.049") Pitch 6 Circuit CLIK-Mate™ Vertical Receptacle	2
502386-0270	Japan	1.25mm (.049") Pitch 2 Circuit CLIK-Mate™ Right Angle Receptacle	5
502386-0370	Japan	1.25mm (.049") Pitch 3 Circuit CLIK-Mate™ Right Angle Receptacle	5
502386-0470	Japan	1.25mm (.049") Pitch 4 Circuit CLIK-Mate™ Right Angle Receptacle	5
502386-0570	Japan	1.25mm (.049") Pitch 5 Circuit CLIK-Mate™ Right Angle Receptacle	3
502386-0670	Japan	1.25mm (.049") Pitch 6 Circuit CLIK-Mate™ Right Angle Receptacle	2
502380-0200	Japan	1.25mm (.049") Pitch 2 Circuit CLIK-Mate™ Plug	5
502380-0300	Japan	1.25mm (.049") Pitch 3 Circuit CLIK-Mate™ Plug	5
502380-0400	Japan	1.25mm (.049") Pitch 4 Circuit CLIK-Mate™ Plug	5
502380-0500	Japan	1.25mm (.049") Pitch 5 Circuit CLIK-Mate™ Plug	3
502380-0600	Japan	1.25mm (.049") Pitch 6 Circuit CLIK-Mate™ Plug	2

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

### Datasheet for 76650-0185

**Recommended Molex Tool(s) for Part No. 76650-0185\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
63819-4400 *	Sweden	Crimp Hand Tool

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