

Datasheet for 76650-0185

General Information

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

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Features and Benefits	Applications
<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • LCD/PDP Televisions • Gaming/Pachinko • Data Communication Equipment • Any application requiring superior mating assurance

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

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

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

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