

Datasheet for 76650-0165

General Information

Kit Part Number:	76650-0165
Connector Type:	Wire-to-Board
Solution:	Off the Board Connectors
Molex Family:	PanelMate™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	14, 2, 4, 5, 6, 9
Current Rating:	1A
Mounting Style:	SMT (Surface Mount Technology)
Orientation:	Receptacles, Right Angle Headers
Pitch:	1.25mm (.049")
Tool Included:	No
Voltage Rating:	125V
Wire Gauge (AWG):	32-28, 32-30

Product Highlights

Molex's 1.25mm (.049") pitch PanelMate™ series is an ultra low-profile connector system designed for tight packaging applications, requiring profile heights below 2.0mm (.079"). The PanelMate™ name derives from the original flat-panel LCD display applications for which it was designed.

Features and Benefits

- Very thin Receptacle design (1.80mm)
- Housing lance, extra terminal retention
- Friction lock provides secure mating
- Polarized design
- Ultra low mating profile of 1.90mm (.075")
- Durable blade-type pins, protection
- Metal solder tabs provide PCB retention and strain relief for SMT tails
- Solder-conducting fillet SMT tail design helps ensure stable solder joints
- Fully-shrouded anti-flux wicking design protects contacts during soldering
- Box-style contact design protection
- Locking tang latches into housing window

Applications

- LCD
- Mini PCI Module*
- Mobile Phones
- Camcorder
- Digital Camera
- Handy Terminal

<http://www.molexkits.com>

- Medical Equipment
- Base Stations
- Notebook PC/PDA
- Any low-profile application

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Bill of Materials

Molex Part No.	Description	Quantity
51146-1400	1.25mm (.049") Pitch PanelMate™, 14 Circuit Ultra Low-Profile Receptacle	5
50641-8141	PanelMate™ Female Terminal 30-28 AWG	25
50753-8141	PanelMate™ Female Terminal 32-30 AWG	25
51146-0200	1.25mm (.049") Pitch PanelMate™, 2 Circuit, Ultra Low-Profile Receptacle	5
51146-0400	1.25mm (.049") Pitch PanelMate™, 4 Circuit, Ultra Low-Profile Receptacle	5
51146-0500	1.25mm (.049") Pitch PanelMate™, 5 Circuit Ultra Low-Profile Receptacle	5
51146-0600	1.25mm (.049") Pitch PanelMate™, 6 Circuit, Ultra Low-Profile Receptacle	5
51146-0900	1.25mm (.049") Pitch PanelMate™, 9 Circuit Ultra Low-Profile Receptacle	5
53780-0270	1.25mm (.049") Pitch PanelMate™, 2 Circuit Right Angle Header	5
53780-0470	1.25mm (.049") Pitch PanelMate™, 4 Circuit, Right Angle SMT Header	5
53780-0570	1.25mm (.049") Pitch PanelMate™, 5 Circuit Right Angle SMT Header	5
53780-0670	1.25mm (.049") Pitch PanelMate™, 6 Circuit, Right Angle Header	5
53780-0970	1.25mm (.049") Pitch PanelMate™, 9 Circuit Right Angle Header	5
53780-1470	1.25mm (.049") Pitch PanelMate™, 14 Circuit Right Angle SMT Header	5

Recommended Molex Tool

Molex Part No.	Description
63811-7900 (not included in kit)	Click for more info
57352-5000 (not included in kit)	Click for more info