

Datasheet for 76650-0175

General Information

Kit Part Number:	76650-0175
Connector Type:	Wire-to-Board
Solution:	Off the Board Connectors
Molex Family:	Milli-Grid™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	10, 14, 30, 40
Current Rating:	1A
Mounting Style:	PCB Through Hole
Orientation:	IDT Receptacles, Right Angle Headers, Vertical Headers
Pitch:	2.00mm (.079")
Tool Included:	No
Voltage Rating:	125V

Product Highlights

Molex's Milli-Grid™ family of high density connectors is based on a 2.00 by 2.00mm (.079 by .079") grid pattern. Compared to traditional 2.54mm (.100") pitch connectors, Milli-Grid™ connectors offer up to 40% savings in PCB real estate. IDT (Insulation Displacement Technology) makes for cable-to-board connections.

Features and Benefits

- Pre-loaded upper housing offers precise cover-to-base alignment, ensuring a reliable termination
- Locking ramps provide strong retention force to header
- Fully shrouded to protect pins during mating/unmating
- Center polarization slot, prevents mismating
- Locking windows, secures firm locking to receptacle
- Front latches for mechanical locking
- Early-entry single-beam contact provides long wiping action during mating

Applications

- Office Automation: Printers, Fax machines, Scanners, Copiers
- Telecom: Servers, Hubs, Switches, Routers
- Other applications: Vending machines, Gaming machines, Fitness equipment
- Computer / Peripherals: Disk Drives, Storage, Servers, Notebook PC, Modems, Motherboards, Monitors
- Measuring / Analyzing Equipment: Security systems / alarms, Medical monitoring, Lab equipment
- Entertainment: Set-top boxes, Car stereos, Video / DVD products
- Brown Goods

Bill of Materials

Molex Part No.	Description	Quantity
87568-1063	2.00mm (.079") Pitch 10 Circuits Milli-Grid™ IDT Receptacle	8
87568-1493	2.00mm (.079") Pitch 14 Circuit Milli-Grid™ IDT with Polarization and Lock Ramp Receptacle	6
87568-3093	2.00mm (.079") Pitch 30 Circuit Milli-Grid™ IDT with Polarization and Lock Ramp Receptacle	4
87568-4093	2.00mm (.079") Pitch 40 Circuit Milli-Grid™ IDT with Polarization and Lock Ramp Receptacle	4
87831-1020	2.00mm (.079") Pitch 10 Circuit Milli-Grid™ Vertical Header	4
87831-1420	2.00mm (.079") Pitch 14 Circuit Milli-Grid™ Vertical Header	3
87831-3020	2.00mm (.079") Pitch 30 Circuit Milli-Grid™ Vertical Header	2
87831-4020	2.00mm (.079") Pitch 40 Circuit Milli-Grid™ Vertical Header	2
87833-1020	2.00mm (.079") Pitch Milli-Grid™ 10 Circuits, Milli-Grid Right Angle Header	4
87833-1420	2.00mm (.079") Pitch Milli-Grid™ 14 Circuits Milli-Grid Right Angle Header	3
87833-3020	2.00mm (.079") Pitch 30 Circuit Milli-Grid™ Right Angle Header	2
87833-4020	2.00mm (.079") Pitch 40 Circuit Milli-Grid™ Right Angle Header	2

Recommended Molex Tool

Molex Part No.	Description
62100-2000 (not included in kit)	Click for more info
62100-3200 (not included in kit)	Click for more info