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The connector kit specialist

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Datasheet for 76650-0199

General Information	
Kit Part Number:	76650-0199
Connector Type:	Wire-to-Board
Solution:	Off the Board Connectors
Molex Family:	iGrid™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A
Specifications	
Circuit Size:	10, 12, 14, 16, 18
Current Rating:	1.5-2A
Mounting Style:	PCB Through Hole
Orientation:	Receptacles, Vertical Headers
Pitch:	2.00mm (.079")
Tool Included:	No
Voltage Rating:	250V
Wire Gauge (AWG):	26-22
Product Hightlights	

iGrid™ wire-to-board connector system offers a compact design and anti-tangle internal lock for applications such as gaming machines, appliances, industrial and other equipment requiring good mating retention. The unique inner lock of iGrid™ prevents wire from getting tangled in the latch, compared to outer lock types where such damage may occur. The internal lock also provides space savings, an audible click and a robust design to withstand rugged handling.

Features and Benefits
• Compact design saves PCB real estate
• Fully shrouded headers withstand rugged handling and vibration
• Polarization between housing and terminal always seats properly in housing

Applications
• GPS
• Vending and Gaming machines
• HVAC
• Microwave ovens
• Medical
• Fitness equipment

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Bill of Materials

Molex Part No.	Description	Quantity
501647-1100	iGrid™ Female Crimp Terminal, 26-22 AWG	200
501645-1020	2.00mm (.079") Pitch iGrid™ Vertical Header, Dual Row, 10 Circuits	2
501646-1000	2.00mm (.079") Pitch iGrid™ Receptacle, Dual Row, 10 Circuits	2
501645-1220	2.00mm (.079") Pitch iGrid™ Vertical Header, Dual Row, 12 Circuits	2
501646-1200	2.00mm (.079") Pitch iGrid™ Receptacle, Dual Row, 12 Circuits	2
501645-1420	2.00mm (.079") Pitch iGrid™ Vertical Header, Dual Row, 14 Circuits	2
501646-1400	2.00mm (.079") Pitch iGrid™ Receptacle, Dual Row, 14 Circuits	2
501645-1620	2.00mm (.079") Pitch iGrid™ Vertical Header, Dual Row, 16 Circuits	2
501646-1600	2.00mm (.079") Pitch iGrid™ Receptacle, Dual Row, 16 Circuits	2
501645-1820	2.00mm (.079") Pitch iGrid™ Vertical Header, Dual Row, 18 Circuits	2
501646-1800	2.00mm (.079") Pitch iGrid™ Receptacle, Dual Row, 18 Circuits	2

Recommended Molex Tool

Molex Part No.	Descripition
63819-2300 (not included in kit)	Click for more info

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