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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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General Information

Part Number:	76650-0140
Manufacturer:	Molex / Waldom
Title:	Mini Mi II Deluxe Connector Kit
Description:	IDT Panel Mount Adaptor, Through Hole Vertical Header, SMT Vertical and Right Angle Header and Receptacle
Product Family:	Mini Mi II™
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) and (Wire to Wire)

Pitch: 1.25mm (.049")

Connector Type: Headers and IDT Receptacles

Mounting

Orientation: Right Angle and Vertical

Circuit Sizes: 2, 4, 18, 20

Current Rating: 1.5 Amps

Voltage: 100 Volts

Wire size: 28-26 AWG

Product Highlights

Mini Mi II™ wire harness system is designed for high-density harness applications. Mini Mi II provides the same 1.5 amperes of current as similar 2.00mm (.079") pitch systems, but in a more compact design. Molex's Integrated Product Division provides the new Mini Mill system in both wire-to-board and wire-to-wire options with different custom lengths and wire configurations enabling multi-branch harnessing configurations, similar to Molex's existing 2.00mm (.079") pitch Mill system. The system saves about 45% of PCB space compared to 2.00mm Mill. Mini Mill is available in 2 to 40 circuits in single/dual row and SMT/through-hole styles.

Features and Benefits

- 1.5 amps meets office automation standards
- Internal positive lock for secure retention
- IDT housing for cost effective termination

Applications

- Security devices
- Car audio, car multimedia, car HVAC
- Office equipment
- Set-up boxes

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

Bill of Materials for Part No. 76650-0140

Molex Part No.	Country of Origin	Description	Quantity in Kit
54596-0210	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 2 Circuits	5
54596-0410	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 4 Circuits	5
54596-1810	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 18 Circuits	3
54596-2010	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 20 Circuits	3
55482-0219	Japan	1.25mm (.049") Pitch Mini Mi II™ Wire-to-Wire Adapter, 2 Circuits	5
55482-0419	Japan	1.25mm (.049") Pitch Mini Mi II™ Wire-to-Wire Adapter, 4 Circuits	5
55482-1819	Japan	1.25mm (.049") Pitch Mini Mi II™ Wire-to-Wire Adapter, 18 Circuits	3
55482-2019	Japan	1.25mm (.049") Pitch Mini Mi II™ Wire-to-Wire Adapter, 20 Circuits	3
55447-0270	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Thru-hole, 2 Circuits	5
55447-0470	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Thru-Hole, 4 Circuits	5
55447-1870	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Thru-hole, 18 Circuits	3
55447-2070	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Thru-Hole, 20 Circuits	3
55450-0269	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, SMT, Vertical, 2 Circuits	5
55450-1869	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, SMT, Vertical, 18 Circuits	3
55450-2069	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, SMT, Vertical, 20 Circuits	3
55456-0269	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Right Angle, SMT, 2 Circuits	5
55456-0469	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Right Angle, SMT, 4 Circuits	5
55456-1869	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Right Angle, SMT, 18 Circuits	3
55456-2069	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Right Angle, SMT, 20 Circuits	3

No Recommended Molex Tool for Part No. 76650-0140

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