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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

<b>Part Number:</b>	76650-0138
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Mini Mi II Connector Kit
<b>Description:</b>	IDT Through Hole Vertical Header and Receptacle
<b>Product Family:</b>	Mini Mi II™
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

## Specifications

<b>Design</b>	
<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	1.25mm (.049")
<b>Connector Type:</b>	Through-hole Headers and IDT Receptacles
<b>Mounting</b>	
<b>Orientation:</b>	Vertical
<b>Circuit Sizes:</b>	2, 4, 8, 14, 18 and 20
<b>Current Rating:</b>	1.5 Amps
<b>Voltage:</b>	100 Volts
<b>Wire size:</b>	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. 76650-0138**

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
54596-0810	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 8 Circuits	5
54596-1410	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 14 Circuits	5
54596-1810	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 18 Circuits	5
54596-2010	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 20 Circuits	5
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
55447-0870	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Thru-hole, 8 circuits	5
55447-1470	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Thru-hole, 14 circuits	5
55447-1870	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Thru-hole, 18 circuits	5
55447-2070	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Thru-hole, 20 circuits	5

**No Recommended Molex Tool for Part No. 76650-0138**