

## 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**