

## General Information

<b>Part Number:</b>	76650-0140
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Mini Mi II Deluxe Connector Kit
<b>Description:</b>	IDT Panel Mount Adaptor, Through Hole Vertical Header, SMT Vertical and Right Angle 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

### 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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