

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

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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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