molexkits.com
the connector kit specialist

## 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 MiII 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 MiII system. The system saves about 45% of PCB space compared to 2.00mm MiII. Mini MiII 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

molexkits.com
the connector kit specialist

## 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 ll™ Header, Vertical, Thru-hole, 2 Circuits | 5 |
| 55447-0470 | Japan | 1.25mm (.049") Pitch Mini Mi ll™ Header, Vertical, Thru-Hole, 4 Circuits | 5 |
| 55447-1870 | Japan | 1.25mm (.049") Pitch Mini Mi ll™ Header, Vertical, Thru-hole, 18 Circuits | 3 |
| 55447-2070 | Japan | 1.25mm (.049") Pitch Mini Mi ll™ Header, Vertical, Thru-Hole, 20 Circuits | 3 |
| 55450-0269 | Japan | 1.25mm (.049") Pitch Mini Mi ll™ Header, SMT, Vertical, 2 Circuits | 5 |
| 55450-1869 | Japan | 1.25mm (.049") Pitch Mini Mi ll™ Header, SMT, Vertical, 18 Circuits | 3 |
| 55450-2069 | Japan | 1.25mm (.049") Pitch Mini Mi ll™ Header, SMT, Vertical, 20 Circuits | 3 |
| 55456-0269 | Japan | 1.25mm (.049") Pitch Mini Mi ll™ Header, Right Angle, SMT, 2 Circuits | 5 |
| 55456-0469 | Japan | 1.25mm (.049") Pitch Mini Mi ll™ Header, Right Angle, SMT, 4 Circuits | 5 |
| 55456-1869 | Japan | 1.25mm (.049") Pitch Mini Mi ll™ Header, Right Angle, SMT, 18 Circuits | 3 |
| 55456-2069 | Japan | 1.25mm (.049") Pitch Mini Mi ll™ Header, Right Angle, SMT, 20 Circuits | 3 |

## No Recommended Molex Tool for Part No. 76650-0140