

## Datasheet for 76650-0140

### General Information

<b>Kit Part Number:</b>	76650-0140
<b>Connector Type:</b>	Wire-to-Board, Wire-to-Wire
<b>Solution:</b>	Off the Board and Free Hanging Connectors
<b>Molex Family:</b>	Mini Mi II™
<b>Certificates:</b>	N/A
<b>Country of Origin:</b>	Kit assembled in U.S.A

### Specifications

<b>Circuit Size:</b>	18, 2, 20, 4
<b>Current Rating:</b>	1.5A
<b>Mounting Style:</b>	Panel Mount, PCB Through Hole, SMT (Surface Mount Technology)
<b>Orientation:</b>	IDT Receptacles, Plugs, Right Angle Headers, Vertical Headers
<b>Pitch:</b>	1.25mm (.049")
<b>Tool Included:</b>	No
<b>Voltage Rating:</b>	100V
<b>Wire Gauge (AWG):</b>	28-26

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

## Bill of Materials

Molex Part No.	Description	Quantity
54596-0210	1.25mm (.049") Pitch Mini Mi II IDT Receptacle, 2 Circuits	5
54596-0410	1.25mm (.049") Pitch Mini Mi II IDT Receptacle, 4 Circuits	5
54596-1810	1.25mm (.049") Pitch Mini Mi II IDT Receptacle, 18 Circuits	3
54596-2010	1.25mm (.049") Pitch Mini Mi II IDT Receptacle, 20 Circuits	3
55482-0219	1.25mm (.049") Pitch Mini Mi II™ Wire-to-Wire Adapter, 2 Circuits	3
55482-0419	1.25mm (.049") Pitch Mini Mi II™ Wire-to-Wire Adapter, 4 Circuits	5
55482-1819	1.25mm (.049") Pitch Mini Mi II™ Wire-to-Wire Adapter, 18 Circuits	3
55482-2019	1.25mm (.049") Pitch Mini Mi II™ Wire-to-Wire Adapter, 20 Circuits	3
55447-0270	1.25mm (.049") Pitch Mi II™ Header, Vertical, Through Hole, 2 Circuits	3
55447-0470	1.25mm (.049") Pitch Mi II™ Header, Vertical, Through Hole, 4 Circuits	5
55447-1870	1.25mm (.049") Pitch Mi II™ Header, Vertical, Through Hole, 18 Circuits	3
55447-2070	1.25mm (.049") Pitch Mi II™ Header, Vertical, Through Hole, 20 Circuits	3
55450-0269	1.25mm (.049") Pitch Mi II™ Header, Vertical, Surface Mount, 2 Circuits	3
55450-2069	1.25mm (.049") Pitch Mi II™ Header, Vertical, Surface Mount, 20 Circuits	3
55456-0269	1.25mm (.049") Pitch Mi II™ Header, Right Angle, SMT, 2 Circuits	5
55456-0469	1.25mm (.049") Pitch Mi II™ Header, Right Angle, SMT, 4 Circuits	5
55456-1869	1.25mm (.049") Pitch Mi II™ Header, Right Angle, SMT, 18 Circuits	3
55456-2069	1.25mm (.049") Pitch Mi II™ Header, Right Angle, SMT, 20 Circuits	3
55450-1869	1.25mm (.049") Pitch Mi II™ Header, Vertical, Surface Mount, 18 Circuits	3

## Recommended Molex Tool

Molex Part No.	Description
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