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the connector kit specialist

General Information

Part Number:	76650-0137
Manufacturer:	Molex / Waldom
Title:	Mini Mi II Connector Kit
Description:	IDT SMT Vertical 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
Pitch:	1.25mm (.049")
Connector Type:	Surface mount Headers and IDT Receptacles
Mounting Orientation:	Vertical
Circuit Sizes:	2, 5, 8, 14, 18 and 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

Bill of Materials for Part No. 76650-0137

Molex Part No.	Country of Origin	Description	Quantity in Kit
54596-0210	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 2 Circuits	10
54596-0510	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 5 Circuits	10
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
55450-0269	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Surface Mount, 2 Circuits	10
55450-0569	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Surface Mount, 5 Circuits	10
55450-0869	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Surface Mount, 8 Circuits	5
55450-1469	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Surface Mount, 14 Circuits	5
55450-1869	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Surface Mount, 18 Circuits	5
55450-2069	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Vertical, Surface Mount, 20 Circuits	5

No Recommended Molex Tool for Part No. 76650-0137