



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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General Information

Part Number:	76650-0139
Manufacturer:	Molex / Waldom
Title:	Mini Mi II Connector Kit
Description:	IDT SMT 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
Pitch:	1.25mm (.049")
Connector Type:	Surface Mount Headers and IDT Receptacles
Mounting	
Orientation:	Right Angle
Circuit Sizes:	2, 4, 7, 12, 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 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

Bill of Materials for Part No. 76650-0139

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
54596-0710	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 7 Circuits	5
54596-1210	Japan	1.25mm (.049") Pitch Mini Mi II IDT receptacle, 12 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
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
55456-0769	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Right Angle, SMT, 7 Circuits	5
55456-1269	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Right Angle, SMT, 12 Circuits	5
55456-1869	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Right Angle, SMT, 18 Circuits	5
55456-2069	Japan	1.25mm (.049") Pitch Mini Mi II™ Header, Right Angle, SMT, 20 Circuits	5

No Recommended Molex Tool for Part No. 76650-0139