



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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Datasheet for 76650-0168

General Information

Part Number:	76650-0168
Manufacturer:	Molex / Waldom
Title:	SlimStack Connector Kit
Description:	SMT Header Plug and Receptacle
Product Family:	SlimStack™
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant and UL
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration:	Board-to-Board
Pitch:	.635mm (.025")
Connector Type:	Receptacles and Headers

Mounting

Orientation:	Vertical
Circuit Sizes:	20, 40, 60 and 80
Current Rating:	0.5 Amps
Voltage:	100 Volts
Mated Heights:	(6, 8, 10, 12, 14 and 16) mm

Product Highlights

Molex's SlimStack connectors are tested to accommodate frequency rates up to 3 GHz for various high-speed applications. With a broad range of circuit sizes and stack heights, SlimStack offers an economical way to achieve high-speed performance in both 50 and 100 Ohm systems.

Features and Benefits

- 3 GHz performance
- Cross Talk < 7%
- 6.00 to 16.00mm stack heights
- Economical design
- For 50 and 100 Ohm applications
- Anti-flux design
- Metal solder tabs provide PCB hold down and strain relief for SMT tails
- Polarizing pegs assist placement
- Housing lock on 20 to 60 circuits
- Superior terminal design/wipe length
- Easy board processing

Applications

- Mobile Phone
- PDA
- Digital Video Camera
- Digital Still Camera
- Digital Video Player
- Digital Audio Player
- Voice Recorder
- Notebook PC
- Any Compact Applications

For additional Molex / Waldom Design and Solution Kits please go to www.molexkits.com

Datasheet for 76650-0168

Bill of Materials for Part No. 76650-0168

Molex Part No.	Country of Origin	Description	Quantity in Kit
52885-0274	Japan	.635mm (.025") 20 Circuit Receptacle, H = 5 mm	2
52885-0474	Japan	.635mm (.025") 40 Circuit Receptacle, H = 5 mm	2
52885-0874	Japan	.635mm (.025") 80 Circuit Receptacle, H = 5 mm	1
52901-0274	Japan	.635mm (.025") 20 Circuit Receptacle, H = 11 mm	2
52901-0474	Japan	.635mm (.025") 40 Circuit Receptacle, H = 11 mm	2
52901-0674	Japan	.635mm (.025") 60 Circuit Receptacle, H = 11 mm	1
52901-0874	Japan	.635mm (.025") 80 Circuit Receptacle, H = 11 mm	1
55091-0274	Japan	.635mm (.025") 20 Circuit Header, H = 6 mm	2
55091-0474	Japan	.635mm (.025") 40 Circuit Header, H = 6 mm	2
55091-0674	Japan	.635mm (.025") 60 Circuit Header, H = 6 mm	1
55091-0874	Japan	.635mm (.025") 80 Circuit Header, H = 6 mm	1
53647-0274	Japan	.635mm (.025") 20 Circuit Header, H = 8 mm	2
53647-0474	Japan	.635mm (.025") 40 Circuit Header, H = 8 mm	2
53647-0674	Japan	.635mm (.025") 60 Circuit Header, H = 8 mm	1
53627-0474	Japan	.635mm (.025") 40 Circuit Header, H = 10 mm	2
53627-0674	Japan	.635mm (.025") 60 Circuit Header, H = 10 mm	1
53627-0874	Japan	.635mm (.025") 80 Circuit Header, H = 10 mm	1

No Recommended Molex Tool for Part No. 76650-0168