

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

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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