

General Information

Part Number:	76650-0118
Manufacturer:	Molex / Waldom
Title:	SEARAY Connector Kit
Description:	High Density Mezz Interconnect Plug and Receptacle
Product Family:	SEARAY*
Certificates:	(Molex Parts within this kit) - EU and China RoHS Compliant, UL and CSA
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration:	Board-to-Board
Pitch:	1.27mm (.050") by 1.27mm (.050") Pitch
Connector Type:	Receptacle and Plug

Mounting

Orientation:	Vertical
Circuit Sizes:	200, 300, and 400
Current Rating:	2.7 Amps
Voltage:	240 Volts

Product Highlights

The SEARAY board-to-board connector is designed for computer, networking, telecom, storage and general market applications with high pin-count devices or memory modules that are mounted on mezzanine or module PC Boards (PCBs). The design of our SEARAY has superior electrical and mechanical features that are cost competitive. The unique, Molex-patented, solder charge technology results in better process yields and a lower applied cost versus equivalent BGA connector products. Circuit sizes range from 160 through 500 positions, and mated stack heights cover 7mm (.276") to 13mm (.512").

Features and Benefits

- Unique patented solder attach is more cost effective and reliable than BGA
- SEARAY footprint is compatible with other 1.27mm(.050") by 1.27mm(.050") products
- Robust guidance and polarization aligns connectors to mate in correct position

Applications

- High and Mid-Range Computers and Servers
- Medical Scanning Equipment
- Military
- Network Routers and Switches
- Mobile Base Stations

*SEARAY is a trademark of Samtec, Inc.

[For additional Molex / Waldom Design and Solution kits please go to www.molexkits.com](http://www.molexkits.com)

Bill of Materials for Part No. 76650-0118

Molex Part No.	Country of Origin	Description	Quantity in Kit
45970-2311	USA	1.27mm (.050") x 1.27mm (.050") Pitch SEARAY* Plug, 200 Circuits, 6.10mm (.240") Unmated Height, 10 Rows	1
45970-3211	USA	1.27mm (.050") x 1.27mm (.050") Pitch SEARAY* Plug, 300 Circuits, 5.59mm (.220") Unmated Height, 10 Rows	1
45970-4311	USA	1.27mm (.050") x 1.27mm (.050") Pitch SEARAY* Plug, 400 Circuits, 6.10mm (.240") Unmated Height, 10 Rows	1
45971-2311	USA	1.27mm (.050") by 1.27mm (.050") Pitch SEARAY* Receptacle, 200 Circuits, 6.55mm (.258") Unmated Height, 10 Rows	1
45971-3111	USA	1.27mm (.050") by 1.27mm (.050") Pitch SEARAY* Receptacle, 300 Circuits, 5.05mm (.199") Unmated Height, 10 Rows	1

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No Recommended Molex Tool for Part No. 76650-0118