

Datasheet for 76650-0194

General Information

Part Number:	76650-0194
Manufacturer:	Molex / Waldom
Title:	DisplayPort Connector and Cable Kit
Description:	I/O Plug, Receptacle and Cable
Product Family:	DisplayPort*
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:	0.50mm (.020")
Connector Type:	Receptacles and Plugs, Cable
Circuit Sizes:	20
Current Rating:	0.5 Amps
Voltage:	40 Volts AC

Product Highlights

The DisplayPort* is designed for internal and external system solution for high bandwidth audio and video data transfer in the notebook and PC market. It reduces cost (by having high definition digital audio-video and graphics stream via the interface through the same cable) and provides ease of use (through the plug-and-play feature), making it user-friendly for consumers. It also provides performance scalability for future developments of high quality displays, high color depths and high refresh rates display.

Features and Benefits

- Detent locks, strong mating between plug and receptacle
- Latches, additional security for long cable latching
- Metal shielding on all sides, superior shielding against EMI
- Solder tab, secure PCB retention and withstand lateral forces
- Small footprint, less PCB real estate
- Polarized mating geometric, prevents mis-mating

Applications

- Personal Computer (PC)
- External display interconnect: Projector, TV display
- DVD player
- Computer monitor
- DVR

DisplayPort* is a trademark of Video Electronics Standards Association (VESA)

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

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Bill of Materials for Part No. 76650-0194

Molex Part No.	Country of Origin	Description	Quantity in Kit
47272-0001	China	0.50mm (.020") Pitch DisplayPort* Male Receptacle, Right Angle, SMT	1
47271-0004	China	Upper Cover for DisplayPort* Cable Plug, Black	3
47271-0005	China	Lower Cover for DisplayPort* Cable Plug, Black	3
47271-0011	China	0.50mm (.020") Pitch DisplayPort* Plug Sub-assembly, with Latch	2
47271-1008	China	Upper Inner Shell for DisplayPort Cable Plug, Nickel overall plating, with Latch Hole	2
47271-1009	China	Lower Inner Shell for DisplayPort Cable Plug, Nickel overall plating	2
47271-1016	China	DisplayPort Latch	2
47271-2016	China	DisplayPort Latch	2
68783-0007	China	2m (6.56ft) DisplayPort to DisplayPort Cable with Latches	1

No Recommended Molex Tool for Part No. 76650-0194