

## Datasheet for 76650-0194

### General Information

<b>Part Number:</b>	76650-0194
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	DisplayPort Connector and Cable Kit
<b>Description:</b>	I/O Plug, Receptacle and Cable
<b>Product Family:</b>	DisplayPort*
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant, UL, and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	0.50mm (.020")
<b>Connector Type:</b>	Receptacles and Plugs, Cable
<b>Circuit Sizes:</b>	20
<b>Current Rating:</b>	0.5 Amps
<b>Voltage:</b>	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](http://www.molexkits.com)**

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**Bill of Materials for Part No. 76650-0194**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
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**