



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## 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)**

### Datasheet for 76650-0194

#### 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