

Datasheet for 76650-0194

General Information

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|---------------------------|------------------------|
| Kit Part Number: | 76650-0194 |
| Connector Type: | I/O, I/O Wire-to-Board |
| Solution: | I/O Connectors |
| Molex Family: | DisplayPort |
| Certificates: | N/A |
| Country of Origin: | Kit assembled in U.S.A |

Specifications

| | |
|------------------------|---------------------------------------|
| Circuit Size: | 20 |
| Current Rating: | 0.5A |
| Mounting Style: | SMT (Surface Mount Technology) |
| Orientation: | Cables, Plugs, Right Angle Receptacle |
| Pitch: | 0.50mm (.020") |
| Speed: | 10.8 Gbps (Gigabits per second) |
| Voltage Rating: | 40V |

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

<http://www.molexkits.com>

Bill of Materials

| Molex Part No. | Description | Quantity |
|----------------|---|----------|
| 47272-0001 | 0.50mm (.020") Pitch DisplayPort* Male Receptacle, Right Angle, SMT | 1 |
| 47271-0004 | Upper Cover for DisplayPort* Cable Plug, Black | 3 |
| 47271-0005 | Lower Cover for DisplayPort* Cable Plug, Black | 3 |
| 47271-0011 | 0.50mm (.020") Pitch DisplayPort* Plug Sub-assembly, with Latch | 2 |
| 47271-1008 | Upper Inner Shell for DisplayPort Cable Plug, Nickel Overall Plating, with Latch Hole | 2 |
| 47271-1009 | Lower Inner Shell for DisplayPort Cable Plug, Nickel Overall Plating | 2 |
| 47271-1016 | DisplayPort Latch | 2 |
| 47271-2016 | DisplayPort Latch | 2 |
| 68783-0007 | 2.0m (6.56') DisplayPort to DisplayPort Cable with Latches | 1 |

Recommended Molex Tool

| Molex Part No. | Description |
|----------------|-------------|
|----------------|-------------|