

INTRODUCTION

Molex's new High Definition Multimedia Interface (HDMI) connectors and cable assemblies provide an uncompressed digital link between consumer electronics equipment such as DVD players, set-top boxes and audio/video monitors such as plasma display screens for high-definition TVs.

HDMI is a small, user-friendly interconnect that provides up to 5 Gbps of bandwidth to support high-definition video plus multi-channel audio in a single cable. This system eliminates the cost, complexity and confusion of multiple cables used to connect current A/V systems. Molex offers a full selection of both HDMI connectors and cable assemblies.



High Definition Multimedia Interface (HDMI)* Connector System

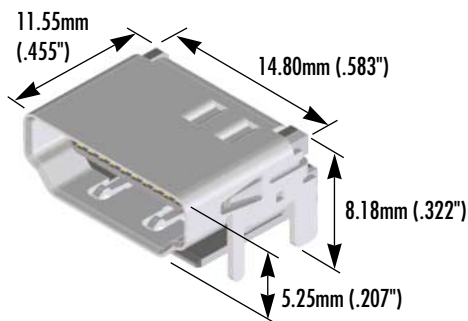


Specifications:

- Bandwidth up to 5 Gbps
- 10,000 cycles
- Gold-plated contacts
- Lead-free plating
- Tray and embossed packaging
- Current: 0.5A
- Voltage: 40V

FEATURES AND BENEFITS

- | | |
|-------------------------------|--|
| Compact, user-friendly design | → Meets Consumer equipment needs |
| 5 Gbps bandwidth | → Carries uncompressed audio/video in a single cable |
| HDMI-DVI cables | → DVI backward compatible |
| Mounting flange | → Protects solder joints; additional grounding |
| Signal With Coupled Ground | → Low impedance mismatch |
| Fully shielded | → ESD protection |



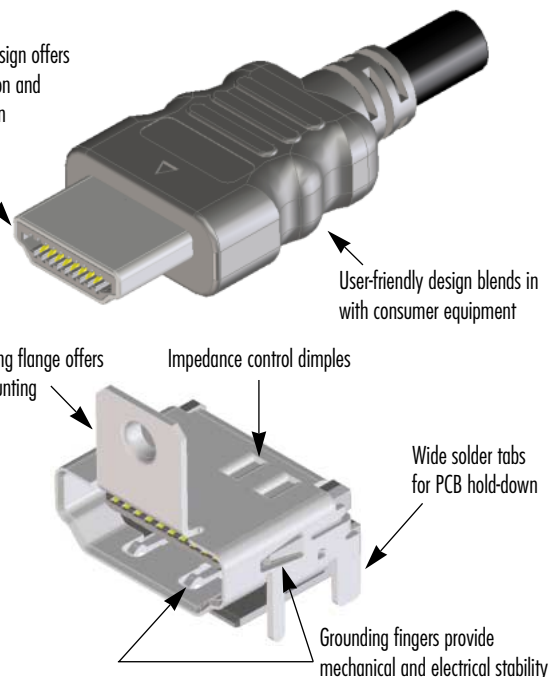
Friction-lock design offers smooth insertion and secure retention

Optional mounting flange offers screw panel mounting and grounding

Impedance control dimples

Wide solder tabs for PCB hold-down

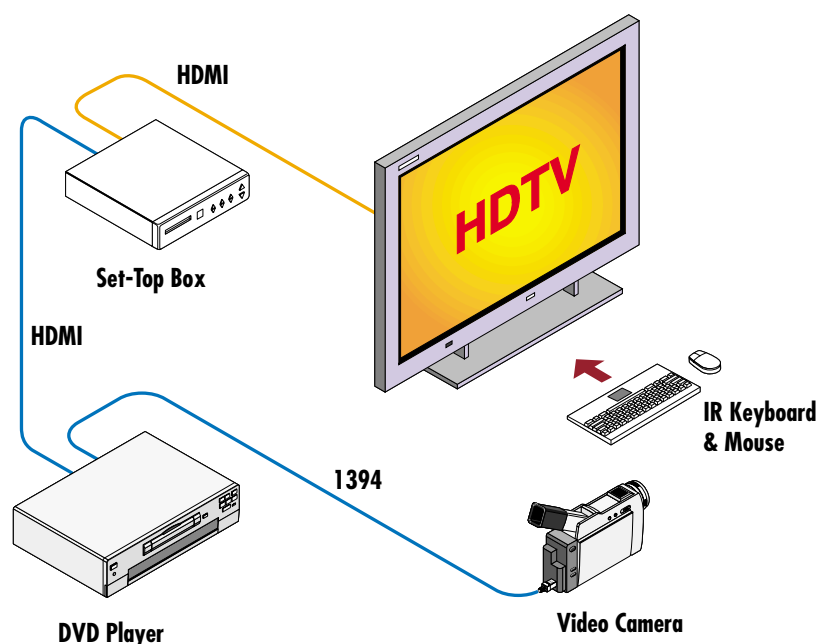
Grounding fingers provide mechanical and electrical stability



APPLICATIONS

- Digital TVs
- Plasma Displays
- LCDs
- Set-Top Boxes
- DVD Players/Recorders
- Audio/Video Receivers
- D-VHS Players
- High Definition Monitors
- TiVo
- Satellite Boxes

TOPOLOGY



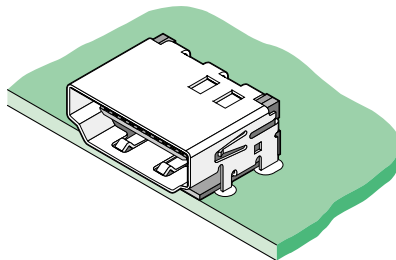
*Note: High Definition Multimedia Interface and HDMI are trademarks of HDMI Licensing, LLC.

See other side for selection chart

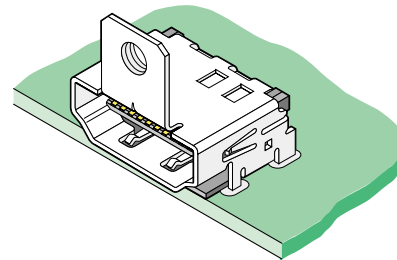


High Definition Multimedia Interface (HDMI) Connector System

PCB Headers



Standard Type

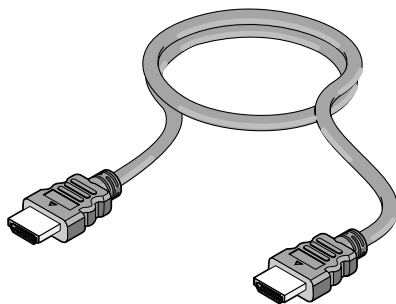


Flange Version

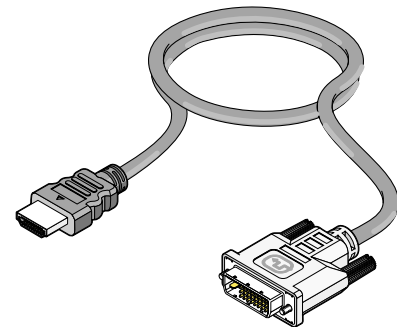
Order No.	Circuits	Packaging
500254-1907	19	Embossed Tape

Order No.	Circuits	Packaging
500254-1911	19	Tray

Cable Assemblies



HDMI — HDMI



HDMI — DVI*

Order No.	Cable Length*	AWG	Outer Diameter	Cable Color
88768-9800	1 Meters	28 (TMDS)	7.30 (.287)	Black
88768-9810	2 Meters			
88768-9820	3 Meters			
88768-9830	5 Meters	30 (TMDS)	6.00 (.236)	
88768-9900	1 Meters			
88768-9910	2 Meters			
88768-9920	3 Meters			

* For custom cable lengths contact Molex

Order No.	Cable Length*	AWG	Outer Diameter	Cable Color
88768-3500	1 Meters	28 (TMDS)	7.30 (.287)	Black
88768-3510	2 Meters			
88768-3520	3 Meters			
88768-3530	5 Meters			
88768-3600	1 Meters	30 (TMDS)	5.50 (.217)	
88768-3610	2 Meters			
88768-3620	3 Meters			
88768-3630	5 Meters			

* Provides backward compatibility to DVI; for custom cable lengths contact Molex

See www.molex.com for drawings and details



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