



# High Definition Multimedia Interface (HDMI)\* Connector System

## 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.

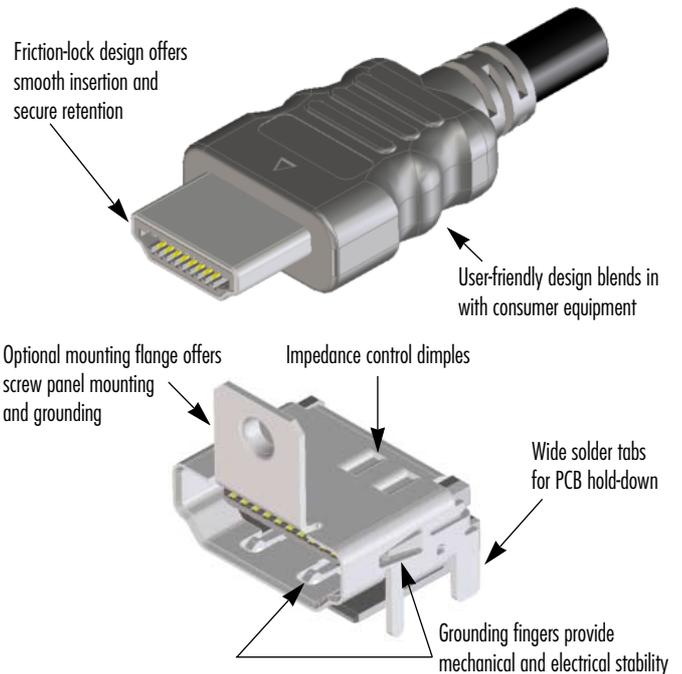
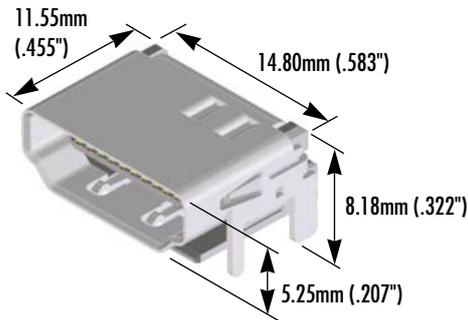
### Specifications:

- 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

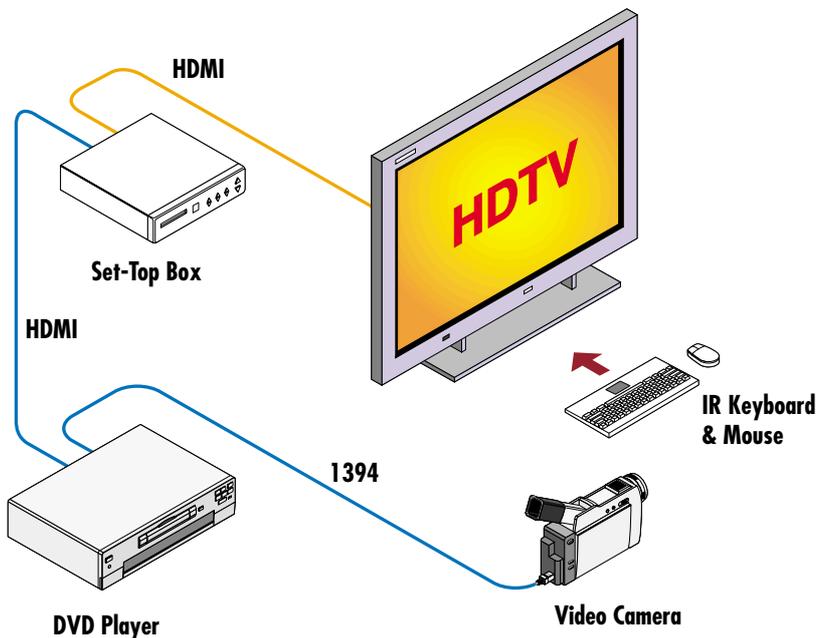
- Compact, user-friendly design → Meets Consumer equipment needs
- 5 Gbps bandwidth → Carries uncompressed audio/video in a single cable
- HDMI-DVI cables → DVI backward compatible
- Mounting flange → Protects solder joints; additional grounding
- Signal With Coupled Ground → Low impedance mismatch
-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



## APPLICATIONS

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

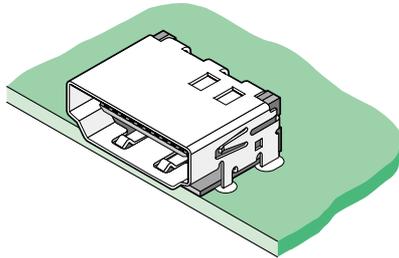
## TOPOLOGY



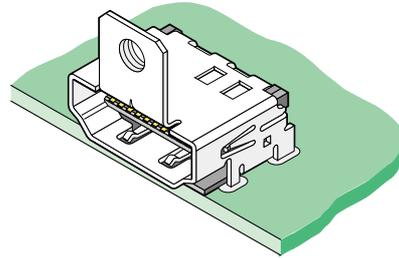
\*Note: High Definition Multimedia Interface and HDMI are trademarks of HDMI Licensing, LLC.

See other side for selection chart

**PCB Headers**



Standard Type

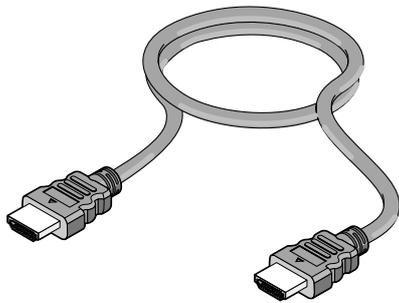


Flange Version

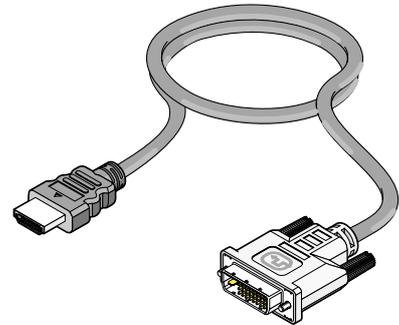
Order No.	Circuits	Packaging
500254-1907	19	Embossed Tape

Order No.	Circuits	Packaging
500254-1911	19	Tray

**Cable Assemblies**



HDMI — HDMI



HDMI — DVI\*

Order No.	Cable Length*	AWG	Outer Diameter	Cable Color
59205-6201	2 Meters	28 (TMDS)	6.00 (.236)	Black
59205-6203	3 Meters			
59205-6202	5 Meters			
59205-6211	2 Meters	30 (TMDS)	5.50 (.217)	
59205-6213	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	30 (TMDS)	5.50 (.217)	
88768-3600	1 Meters			
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](http://www.molex.com) for drawings and details



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