

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

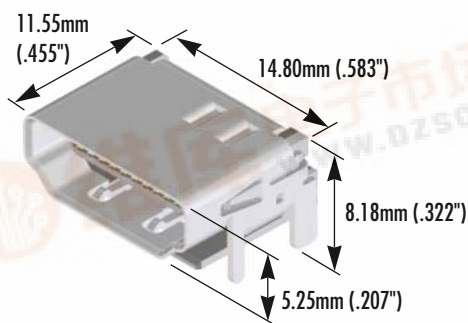
Specifications:

- 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 |



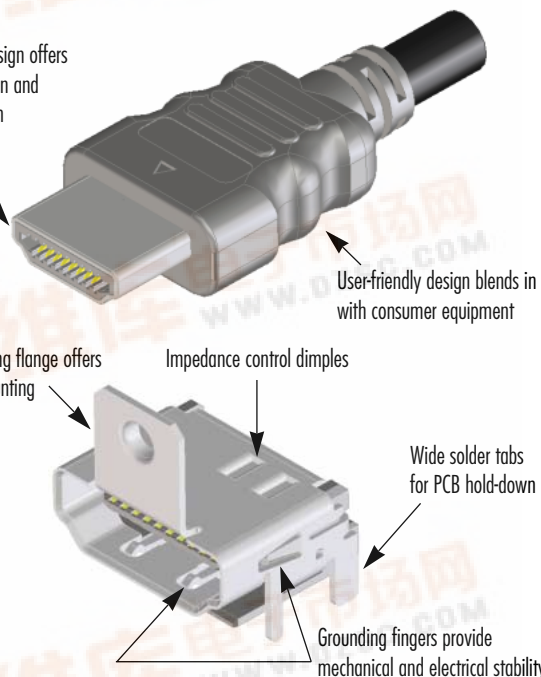
Friction-lock design offers smooth insertion and secure retention

Optional mounting flange offers screw panel mounting and grounding

Impedance control dimples

Wide solder tabs for PCB hold-down

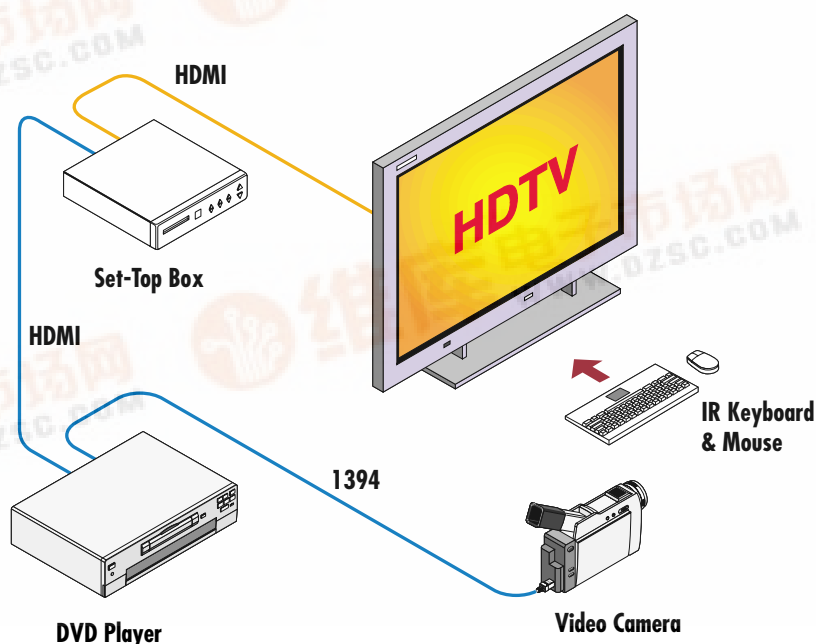
Grounding fingers provide mechanical and electrical stability



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



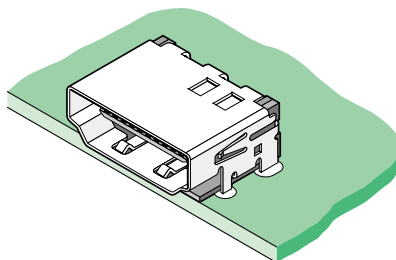
*Note: High Definition Multimedia Interface and HDMI are trademarks of HDMI Licensing, LLC.

See other side for selection chart

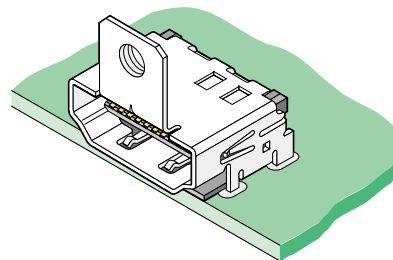




PCB Headers



Standard Type

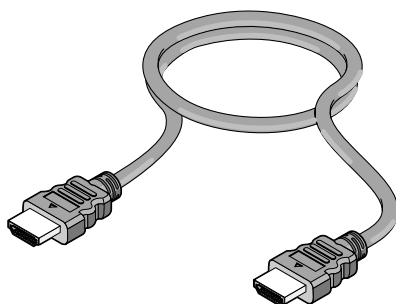


Flange Version

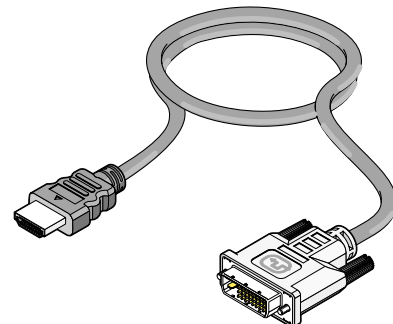
Order No.	Circuits	Packaging
500254-1907	19	Embossed Tape

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			
88768-9900	1 Meters	30 (TMDS)	6.00 (.236)	
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			

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

See www.molex.com for drawings and details



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