INTRODUCTION

Molezarien High Definition Multipledity 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

TOPOLOGY



High Definition Multimedia Interface (HDMI)* Connector System



FEATURES AND BENEFITS

Compact, user-friendly design — Meets Consumer equipment needs

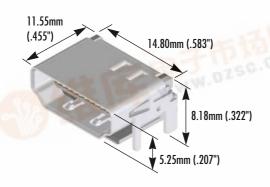
5 Gbps bandwidth — Carries uncompressed audio/video in a single cable

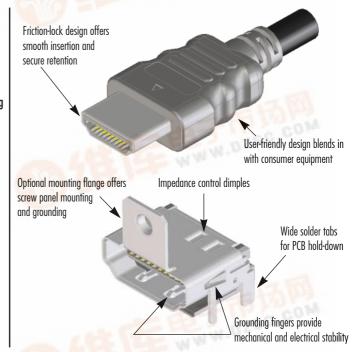
HDMI-DVI cables —— DVI backward compatible

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

Set-Top Box HDMI IR Keyboard & Mouse

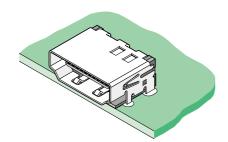
Video Camera

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

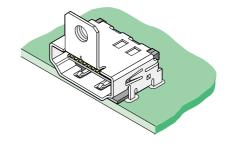
HDMI



PCB Headers



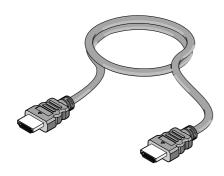
Standard Type



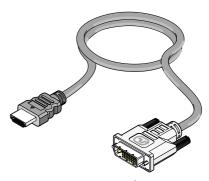
Flange Version

Order No.	Circuits	Packaging	Order No.	Circuits	Packaging
500254-1907	19	Embossed Tape	500254-1911	19	Tray

Cable Assemblies



HDMI - HDMI



 $HDMI - DVI^*$

Order No.	Cable Length*	AWG	Outer Diameter	Cable Color
88768-9800	1 Meters			
88768-9810	2 Meters	28 (TMDS)	7.30 (.287)	Black
88768-9820	3 Meters	20 (IMDS)		
88768-9830	5 Meters			
88768-9900	1 Meters			
88768-9910	2 Meters	30 (TMDS)	6.00 (.236)	
88768-9920	3 Meters			

^{*} For custom cable lengths contact Molex

See www.molex.com for drawings and details



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Americas Headquarters 2222 Wellington (t. Lisle, Illinois 60532 USA Tel: 1-800-78MOLEX amerinfo@molex.com Far East North Headquarters Yamato, Kanagawa, Japan Tel: 81-462-65-2324 feninfo@molex.com Far East South Headquarters Jurong, Singapore Tel: 65-6-268-6868 fesinfo@molex.com European Headquarters Munich, Germany Tel: 49-89-413092-0 eurinfo@molex.com Corporate Headquarters 2222 Wellington Ct. Lisle, Illinois 60532 USA Tel: 630-969-4550

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

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