

HDMI Connectors and Cable Assemblies

Introduction:

HDMI (High-Definition Multimedia Interface) connectors is a new digital link interface for next generation consumer electronics products, i.e. Digital Television, Set-Top Boxes, DVD Players, etc. HDMI provides up to 5 Gbps of bandwidth to support standard, enhanced, or high-definition video, plus multi-channel audio on a single cable.

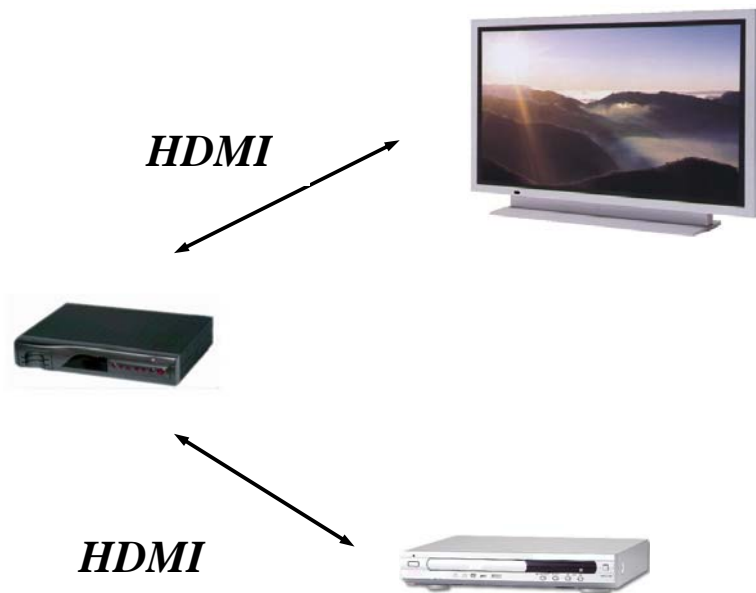


Key Features and Benefits:

- . Simple and User Friendly to replace existing audio and digital cable in one assembly and provides secure electrical contact smooth cable insertion/extraction
- . Fully Shielded for ESD protection
- . Optional Mounting Flange to protect solder joints and to have additional grounding.
- . HDMI-DVI cable and adapters offer a backward compatibility with DVI interfaced products.
- . 5 Gbps/second bandwidth supports video and multi-channel audio in one single cable.

Applications:

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



Mechanical Specifications:

- . Durability: 10,000 mating/unmated cycles
- . Mating Force: 9.9 lbs [44.1 N] maximum
- . Unmating Force: 2.2 lbs [9.8 N] minimum, 8.8 lbs [39.2 N] maximum

Electrical Specifications:

- . Contact Current Rating: 0.5A minimum
- . Voltage Rating: 40 VAC maximum
- . Dry Circuit Resistance Contact: 30 m Ω maximum initial
- . Shell: 50 m Ω maximum initial
- . Dielectric Withstanding Voltage: Unmated: 500 VAC Mated: 300 VAC
- . Insulation Resistance: Unmated: 100 m Ω minimum Mated: 10 m Ω minimum

Environmental:

Temperature Range: -55 °C to +105 °C