



1.00mm (.39") Pitch High Definition Multimedia Interface (HDMI) Receptacle

FEATURES AND SPECIFICATIONS

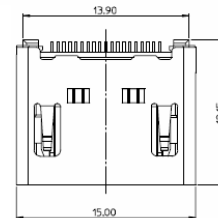
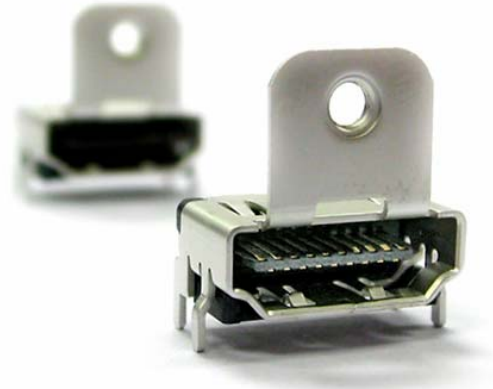
Molex expands its HDMI family of RoHS compliant PCB connectors with the inclusion of the small footprint receptacle

HDMI is a small, user-friendly interconnect that provides up to 5 Gbps of bandwidth to support high definition video plus multi-channel digital audio in a single cable. This system eliminates the cost, complexity and confusion of multiple cables used to connect current audio visual systems.

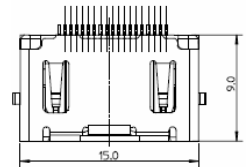
This small footprint version receptacle provides application manufacturers the opportunity to incorporate HDMI capabilities within a confine space. Connector to PCB board retention is assured through solder tabs and further enhance by the mounting flange which is screwed on to the application. The mounting flange also provides extra grounding during mating of connector. EMI/RFI issues are addressed by the metal shield.

Molex's HDMI connectors and cable assemblies are compliant to the 1.3 version of the HDMI industry standard.

47266
SMT
Right Angle



General HDMI receptacle footprint



Small footprint version HDMI receptacle

Features	Benefits
• Compact and user-friendly design	• Meets consumer equipment needs
• 5 Gbps bandwidth	• Supports uncompressed audio and video signals in a single-cable
• Mounting-flange	• Protects solder joints and provides additional grounding
• Triad signal layout contact design	• Ensures low impedance mismatch
• Smaller footprint	• Further reduction in real estate
• Fully shielded connector	• EMI/RFI protection

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

SPECIFICATIONS

Reference Information

Packaging: Tray

UL File No.:

CSA File No.:

Uses With: 88768-9XXX/88768-3XXX

Designed In: mm

Electrical

Voltage: 40V

Current: 0.5A

Contact Resistance:

30 milliohms max.-Terminal, 50 milliohms max-Shell

Dielectric Withstanding Voltage:

300V AC, 500V AC

Insulation Resistance:

10 Megohms min, 100 Megohms min

Mechanical

Insertion Force to PCB:

Mating Force: 44.10N (9.91lb)

Unmating Force: 4.90N (1.10lb), 9.80N (2.20lb)

Durability: 10,000 cycles

Physical

Housing: LCP, Glass-filled, Black

UL 94V-0

Contact: Brass

Plating:

Contact Area — 0.76µm (30µ") Gold (Au)

Solder Tail Area — Tin/Bismuth

Underplating — Nickel (Ni)

PCB Thickness: 1.6mm (.062")

Operating Temperature: -20°C to +85°C

MARKETS AND APPLICATIONS

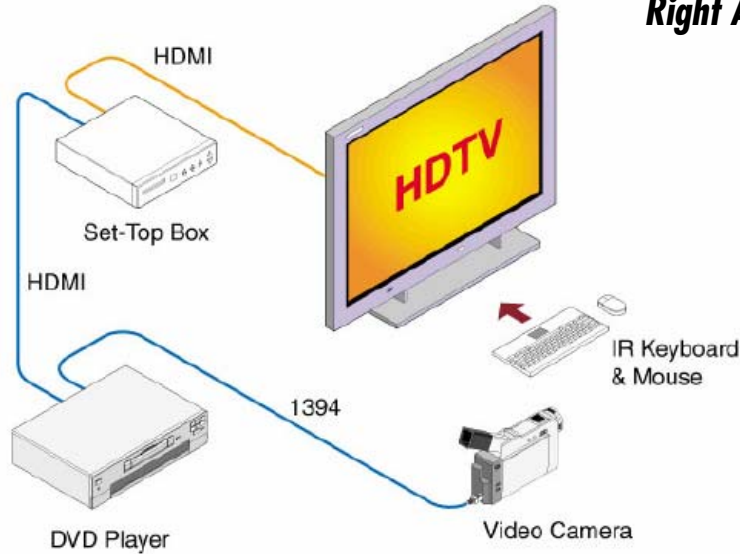


**1.00mm (.39") Pitch
High Definition Multimedia
Interface (HDMI) Receptacle**

Markets and Applications

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

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ORDERING INFORMATION

Description	Lead free Order No.	Panel Mount	Thread Size	Mounted Height	Mounted Width	Back Cover	Circuits
1.00mm (.039") Pitch HDMI Receptacle, Right Angle, Through Hole Shell Tab Length 1.90mm (.075"), Gold (Au) Plated, with Flange	47266-0001	Flange	M3x0.5	6.10mm (.240")	9.00mm (.354")	No	19



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