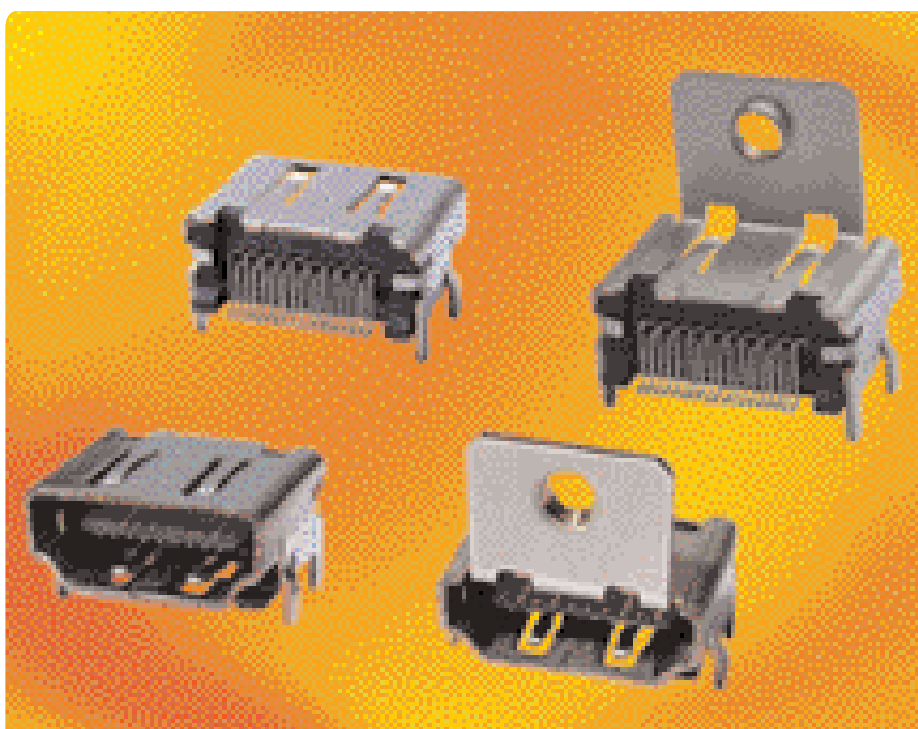


HDMI RECEPTACLE

DESCRIPTION

HDMI (High-Definition Multimedia Interface) is the next-generation interface for consumer electronics products such as digital television, DVD players, and set-top boxes. HDMI uses a much smaller, user-friendly connector than the existing DVI connector. The specification was designed to carry up to 5Gpbs uncompressed video and audio in one cable.



FEATURES & BENEFITS

- Metal shield for better EMI protection
- 5Gpbs uncompressed single transmittal rate
- Integrates video and audio single in one connector
- Backward compatible with DVI
- SMT with or without panel-mount flange option
- Low impedance mismatch
- RoHS compliant, Gold plating in contact area
- Simple & flexible design

TARGET MARKETS / APPLICATIONS

- Consumer
 - PDP displayer & TV
 - LCD displayer & TV
 - Set top boxes
 - DVD players/recorders
 - D-VHS players
- Data
 - Entertainment PC

MATERIALS

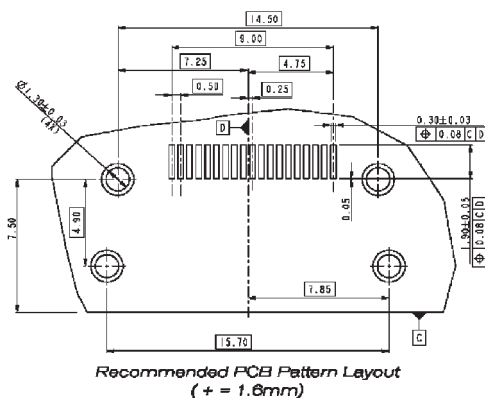
- Contacts: Copper Alloy
- Shell: Copper Alloy
- Housing: Glass filled high-temperature resin (UL94V-O)
- Plating
 - Contacts: Nickel under plated overall, gold plating on contact area. Pure Sn plating on solder tail
 - Shell: Pure Sn plating over Nickel under plated

ELECTRICAL PERFORMANCE

- Meets HDMI 1.1 Specification
- Insulation resistance
 - Unmated >100 MΩ; Mated >10 MΩ
- Dielectric withstanding voltage
 - 500VAC
- Contact resistance
 - 30m max.
- Contact current rating
 - 0.5A min.
- Voltage rating
 - 40V AC max.

MECHANICAL PERFORMANCE

- Durability
 - 10,000 cycles
- Mating force
 - 44.1N max.
- Unmating force
 - 9.8N ~ 39.2N
- SMT with 19 position. Contact pitch 0.5mm



ENVIRONMENTAL

- Temperature range
 - -55°C to +85°C
- Humidity
 - <95%

SPECIFICATIONS

- Product Specification: GS-12-309

PACKAGING

- Packaging Specification
 - GS-14-939
- Tape & Reel packaging for 10029449-001LF
- Tray packaging for 10029449-002LF

PART NUMBERS

- 10029449-001LF (without flange)
- 10029449-002LF (with flange)