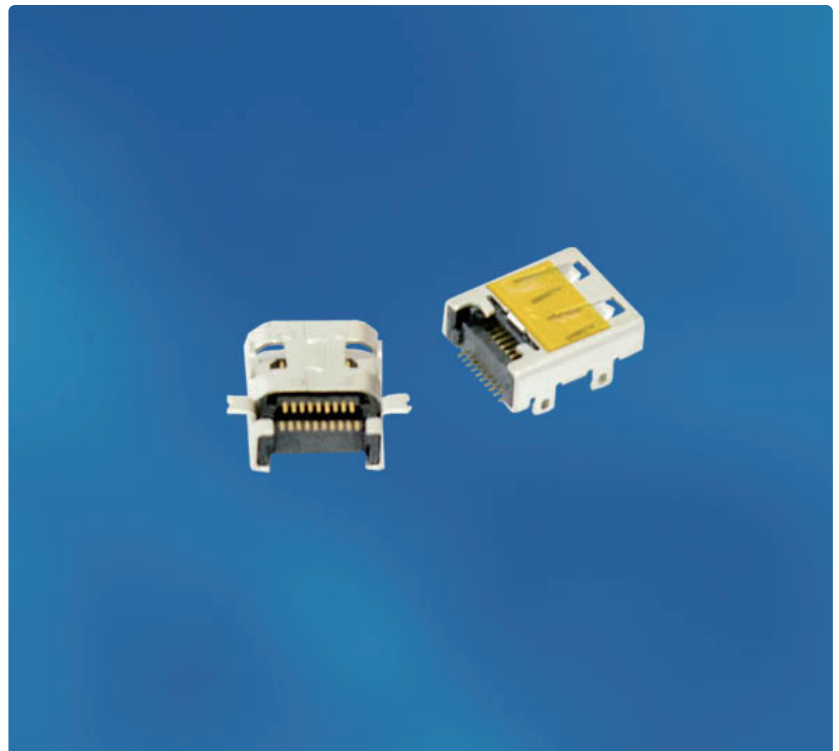


Micro-HDMI D Type Connector For Multimedia Device Market

DESCRIPTION

Compared to HDMI A, B, C and E type, HDMI D type is Micro type, an extremely small high reliability connector comply with physical, electrical and environmental requirements of HDMI standard. Receptacles are available for use in High-Definition display applications. FCI HDMI D type is one of the best options for next-generation compact Audio / Video data PCB layout aiming at HDMI Rev.1.4 and 3D signal transmission.



FEATURES & BENEFITS

- ▀ Size reduction
 - Approximately 80% smaller in size compared to A type (standard type) and 50% to C type (mini type) connector range
- ▀ Receptacle PCB style
 - SMT contacts, DIP legs
 - SMT contacts, DIP/SMT legs
- ▀ Mating Plug styles
 - Used for High Definition data transmission applications
 - Mates with standard HDMI D type plug or HDMI D to HDMI A cable (FCI offer standard A type R/A 10029449-111RLF to link A to D type in Host side)
- ▀ High durability
 - 5,000 cycles

TARGET MARKETS & APPLICATIONS

- ▀ Smart mobile phone
- ▀ Digital camera
- ▀ PDA
- ▀ Tablet PC
- ▀ Applications linked to High Definition Multimedia display interface connectors.



TECHNICAL INFORMATION

MATERIALS

- Contact: Copper Alloy
- Contact area: 15 μ m Gold plating over nickel
- Solder tail area: Matte tin over nickel
- Shield: Stainless steel with matte tin over nickel
- Housing: LCP, black
- UL 94V-0

ELECTRICAL PERFORMANCE

- Contact Resistance: Initial 10m Ω maximum; After $\Delta R = \pm 10m\Omega$ (EIA-364-06B)
- Insulation Resistance: Unmated 100M Ω minimum; Mated 10M Ω minimum (EIA-364-21C)
- Dielectric Withstanding Voltage: Unmated 250VAC, Mated 150VAC; No Breakdown (EIA-364-20C)
- Electrostatic Discharge: 8 kV (IEC-801-2)

APPROVALS AND CERTIFICATIONS

- RoHS compliant
- HDMI association certification

PACKAGING

- Tape and reel
- Packing specification GS-14-2164

PART NUMBERS

Part Number	Product Description
10118241-001RLF	HDMI D Type Receptacle DIP+SMT Leg
10118242-001RLF	HDMI D Type Receptacle DIP Leg

ENVIRONMENTAL

- Functional temperature range:
 - -40°C to +85°C, under test connectors mated without damage

MECHANICAL PERFORMANCES

- Mating/Un-mating force (initial)
 - Insertion force: 44.1N maximum
 - Withdrawal force: 5N minimum
25N maximum
- Durability
 - Contact/Shell resistance: $\Delta R = \pm 30m\Omega$ maximum for contact
 $\Delta R = \pm 50m\Omega$ maximum for shell
 - Appearance: no breakdown
 - Mating cycles: 5,000 cycles at rated of 100 \pm 50 cycles per hour
- Test condition: EIA-364

SPECIFICATIONS

- GS-12-0983 product specification