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**Part Number:** **0476591000**  
**Status:** **Active**  
**Overview:** High Definition Multimedia Interface (HDMI)\* Products  
**Description:** 0.50mm Pitch HDMI Receptacle, Vertical, Mounted Height 8.5mm, Surface Mount, 0.76µm Gold (Au) Plating, with Cap, 19 Circuits, Tape on Reel Packaging, Lead-Free

**Documents:**

[3D Model](#) [Packaging Specification PK-47659-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-47152-001-001 \(PDF\)](#)

**General**

|                |   |
|----------------|---|
| Product Family | I/O Connectors  |
| Series         | 47659   |
| Application    | Wire-to-Board   |
| Component Type | Receptacle  |
| Overview       | High Definition Multimedia Interface (HDMI)* Products |
| Product Name   | HDMI  |
| Type           | N/A   |
| UPC            | 883906517342  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Boot Color                     | N/A                            |
| Circuits (Loaded)              | 19                             |
| Circuits (maximum)             | 19                             |
| Color - Resin                  | Black                          |
| Gender                         | Male                           |
| Keying to Mating Part          | Yes                            |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 1.373/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Embossed Tape on Reel          |
| Panel Mount                    | Without Flange                 |
| Pitch - Mating Interface       | 0.50mm                         |
| Pitch - Termination Interface  | 0.50mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 1.016µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Ports                          | 1                              |
| Temperature Range - Operating  | -20° to +85°C                  |
| Termination Interface: Style   | Surface Mount                  |
| Waterproof / Dustproof         | No                             |
| Wire Size AWG                  | N/A                            |

**Electrical**

|                               |        |
|-------------------------------|--------|
| Current - Maximum per Contact | 0.5A   |
| Shielded                      | Yes    |
| Voltage - Maximum             | 40V DC |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Prop65

RoHS Phthalates

Green Image

Not Relevant

Compliant

Not Contained

**Search Parts in this Series**

47659 Series

**Solder Process Data**

|  |        |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 010    |
| Lead-free Process Capability                   | REFLOW |
| Max. Cycles at Max. Process Temperature        | 002    |
| Process Temperature max. C                     | 255    |

**Material Info****Reference - Drawing Numbers**

|                           |                             |
|---------------------------|-----------------------------|
| Electrical Model Document | EE-47659-001, REE-47659-001 |
| Packaging Specification   | PK-47659-001                |
| Product Specification     | PS-47152-001-001            |
| S-Parameter Model         | SP-47659-001                |
| Sales Drawing             | SD-47659-100                |

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