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**Part Number:** [74981-1014](#)

**Status:** **Active**

**Overview:** VHDM-HSD™ Backplane Connectors

**Description:** VHDM-HSD™ Backplane Header, 2.00mm Pitch, 6-Row, Guide Pin Signal Module, Shield End Version, 40 Circuits, Pin Length 5.15mm. Series:74984 Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15 and 6.25mm

**Documents:**

[Drawing \(PDF\)](#)

[Product Specification PS-74031-999 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)



**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                               |  |
|-------------------------------|--|
| Product Family                | Backplane Connectors                           |
| Series                        | <a href="#">74981</a>                          |
| Application                   | Backplane                                      |
| Application Tooling Documents | TM-622010999                                   |
| Comments                      | Keying Orientation A                           |
| Component Type                | PCB Header                                     |
| Overview                      | <a href="#">VHDM-HSD™ Backplane Connectors</a> |
| Product Name                  | VHDM-HSD™                                      |
| UPC                           | 822350649636                                   |

**Physical**

|                                |   |
|--------------------------------|---|
| Circuits (Loaded)              | 40  |
| Circuits (maximum)             | 40  |
| Color - Resin                  | Black   |
| Durability (mating cycles max) | 200   |
| First Mate / Last Break        | No  |
| Flammability                   | 94V-0   |
| Guide to Mating Part           | Yes   |
| Keying to Mating Part          | Yes   |
| Material - Metal               | Copper-Nickel-Silicon, High Performance Alloy (HPA),<br>Stainless Steel |
| Material - Plating Mating      | Gold  |
| Material - Plating Termination | Matte Tin   |
| Material - Resin               | High Temperature Thermoplastic  |
| Net Weight                     | 8.076/g   |
| Number of Columns              | 10  |
| Number of Pairs                | Open Pin Field  |
| Number of Rows                 | 6   |
| Orientation                    | Vertical  |
| PC Tail Length                 | 2.50mm  |
| PCB Locator                    | No  |
| PCB Retention                  | None  |
| PCB Thickness - Recommended    | 1.80mm  |
| Packaging Type                 | Tube  |
| Pitch - Mating Interface       | 2.00mm  |
| Pitch - Termination Interface  | 2.00mm  |
| Plating min - Mating           | 0.762µm   |
| Plating min - Termination      | 0.762µm   |
| Polarized to PCB               | Yes   |

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Not Reviewed**  
**Low-Halogen Status  
Not Reviewed**

**China RoHS**



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non-product compliance questions.

**Search Parts in this Series**

[74981Series](#)

**Mates With**

[74880 VHDMHSD Daughtercard](#)

**Use With**

Daughtercard Modules

**Application Tooling | [FAQ](#)**

*Tooling specifications and manuals are  
found by selecting the products below.  
Crimp Height Specifications are then  
contained in the Application Tooling  
Specification document.*

**Global**

| Description                                     | Product #                  |
|---|----------------------------|
| Signal Pin Inserter                             | <a href="#">0622015700</a> |
| Repair Tool                                     |                            |
| Signal Header, 6-<br>Row by 10-Wide,<br>20.00mm | <a href="#">0622020216</a> |

|                                |                              |
|--------------------------------|------------------------------|
| Surface Mount Compatible (SMC) | Yes                          |
| Temperature Range - Operating  | -55°C to +105°C              |
| Termination Interface: Style   | Through Hole - Compliant Pin |

### **Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 2.0A             |
| Data Rate                     | 5.0 Gbps         |
| Shielded                      | No               |
| Voltage - Maximum             | 120V AC (RMS)/DC |

### **Material Info**

### **Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-74031-999 |
| Sales Drawing         | SD-74981-010 |

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