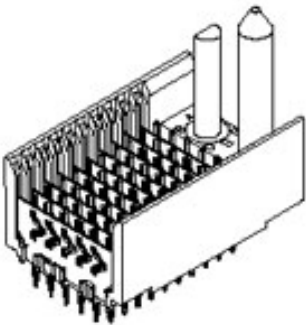


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**Part Number:** [0740592504](#)  
**Status:** **Active**  
**Overview:** [VHDM Backplane Connector Systems](#)  
**Description:** VHDM Single-Ended Board-to-Board Backplane Header, 2.00mm Pitch, Vertical, 6 Rows, Guide Pin Signal Module, Shield End Version, Pin End Version, 150 Circuits, 25 Columns, Pin Length 5.15mm

**Documents:**  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-74031-999-001 \(PDF\)](#)

|                                |                                                                    |
|--------------------------------|--------------------------------------------------------------------|
| <b>General</b>                 |                                                                    |
| Product Family                 | Backplane Connectors                                               |
| Series                         | <a href="#">74059</a>                                              |
| Application                    | Backplane                                                          |
| Application Tooling Documents  | TM-622010999                                                       |
| Comments                       | No Keying Position, No Keying Position                             |
| Component Type                 | PCB Header                                                         |
| Overview                       | <a href="#">VHDM Backplane Connector Systems</a>                   |
| Product Name                   | VHDM                                                               |
| UPC                            | 800753258143                                                       |
| <b>Physical</b>                |                                                                    |
| Circuits (Loaded)              | 150                                                                |
| Circuits (maximum)             | 150                                                                |
| Color - Resin                  | Black                                                              |
| Durability (mating cycles max) | 200                                                                |
| First Mate / Last Break        | No                                                                 |
| Guide to Mating Part           | Yes                                                                |
| Keying to Mating Part          | None                                                               |
| Material - Metal               | Beryllium Copper, High Performance Alloy (HPA),<br>Stainless Steel |
| Material - Plating Mating      | Gold                                                               |
| Material - Plating Termination | Matte Tin                                                          |
| Material - Resin               | High Temperature Thermoplastic                                     |
| Net Weight                     | 13.515/g                                                           |
| Number of Columns              | 25                                                                 |
| 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  | 1.00mm                                                             |
| Polarized to PCB               | Yes                                                                |
| Surface Mount Compatible (SMC) | Yes                                                                |
| Temperature Range - Operating  | -55° to +105°C                                                     |
| Termination Interface: Style   | Through Hole - Compliant Pin                                       |
| <b>Electrical</b>              |                                                                    |
| Current - Maximum per Contact  | 2.0A                                                               |
| Data Rate                      | 3.125 Gbps                                                         |
| Shield Type                    | Ground Plane Shield                                                |
| Shielded                       | Yes                                                                |



Series image - Reference only

|                                                                                                                                                                              |                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                         |                                              |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>ED/71/2019 (16 July<br>2019)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b> | <b>China RoHS</b>                            |
| For more information, please visit <a href="#">Contact US</a>                                                                                                                |                                              |
| China ROHS<br>ELV<br>RoHS Phthalates                                                                                                                                         | Green Image<br>Not Relevant<br>Not Contained |

**Search Parts in this Series**  
[74059](#) Series

**Mates With**  
[74030](#) VHDM Board-to-Board Daughtercard  
Receptacle

| <b>Application Tooling   FAQ</b><br><i>Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.</i> |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| <b>Global</b>                                                                                                                                                                                                              |                           |
| Description                                                                                                                                                                                                                | Product #                 |
| Signal Pin Inserter                                                                                                                                                                                                        | <a href="#">622015700</a> |
| Repair Tool                                                                                                                                                                                                                |                           |
| 6-Row Pin and                                                                                                                                                                                                              | <a href="#">622015800</a> |
| Shield Repair Tool                                                                                                                                                                                                         |                           |
| 6-Row Shield                                                                                                                                                                                                               | <a href="#">622016000</a> |
| Extraction Tool                                                                                                                                                                                                            |                           |
| Insertion Module                                                                                                                                                                                                           | <a href="#">622020204</a> |
| for Advanced Mate                                                                                                                                                                                                          |                           |
| Signal Header, 6-                                                                                                                                                                                                          |                           |

|                                    |                  |                                   |
|------------------------------------|------------------|-----------------------------------|
| Voltage - Maximum                  | 120V AC (RMS)/DC | Row by 25-Wide,<br>50.00mm        |
| <b>Material Info</b>               |                  | Insertion Module <u>622020208</u> |
| <b>Reference - Drawing Numbers</b> |                  | for Standard Shield               |
| Product Specification              | PS-74031-999-001 | Signal Header, 6-                 |
| Sales Drawing                      | SD-74059-002     | Row by 25-Wide,<br>50.00mm        |

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