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**Part Number:** [0740572601](#)

**Status:** **Active**

**Overview:** [VHDM® Backplane Connector Systems](#)

**Description:** VHDM® Single-Ended Board-to-Board Backplane Header, 2.00mm Pitch, Vertical, 6-Rows, Open Signal Module, 150 Circuits, 25 Columns, Advance Mate Shield, Pin Length 4.75mm. Series:74074 Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15, and 6.25mm

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

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

[Packaging Specification PK-74057-003 \(PDF\)](#)

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

**Agency Certification**

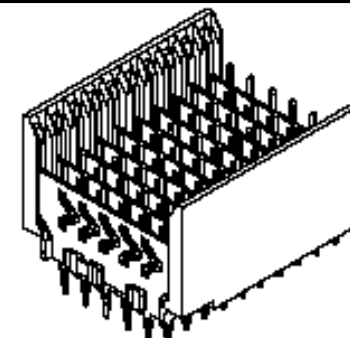
UL E29179

**General**

|                               |  |
|-------------------------------|--|
| Product Family                | Backplane Connectors   |
| Series                        | <a href="#">74057</a>  |
| Application                   | Backplane  |
| Application Tooling Documents | TM-622010999   |
| Comments                      | Advanced mate shield chevron can be used for the first mate last break (FMLB) grounding application. |
| Component Type                | PCB Header   |
| Overview                      | <a href="#">VHDM® Backplane Connector Systems</a>  |
| Product Name                  | VHDM®  |
| UPC                           | 756054480892   |

**Physical**

|                                |  |
|--------------------------------|--|
| Circuits (Loaded)              | 150  |
| Circuits (maximum)             | 150  |
| Color - Resin                  | Black  |
| Durability (mating cycles max) | 200  |
| First Mate / Last Break        | No   |
| Flammability                   | 94V-0  |
| Guide to Mating Part           | No   |
| Keying to Mating Part          | None   |
| Material - Metal               | Beryllium Copper, High Performance Alloy (HPA) |
| Material - Plating Mating      | Gold   |
| Material - Plating Termination | Matte Tin                                      |
| Material - Resin               | High Temperature Thermoplastic                 |
| Net Weight                     | 10.985/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   |
| Plating min - Mating           | 0.762µm  |
| Plating min - Termination      | 0.762µm  |
| Polarized to PCB               | Yes  |
| Surface Mount Compatible (SMC) | Yes  |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/21/2016 (20 June 2016)

**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

Green Image

Not Relevant

**Search Parts in this Series**

[74057 Series](#)

**Mates With**

[74030 VHDM® Board-to-Board Daughtercard Receptacle](#)

**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 #                  |
|---|----------------------------|
| Insertion Module for Advanced Mate Signal Header, 6-Row by 25-Wide, 50.00mm | <a href="#">0622020204</a> |

Temperature Range - Operating -55°C to +105°C  
Termination Interface: Style Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact 2.0A  
Data Rate 3.125 Gbps  
Shield Type Ground Plane Shield  
Shielded Yes  
Voltage - Maximum 120V AC (RMS)/DC

**Solder Process Data**

Lead-free Process Capability N/A

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-74057-003  
Product Specification PS-74031-999  
Sales Drawing SD-74057-003

Insertion Module 0622020208  
for Standard Shield  
Signal Header, 6-  
Row by 25-Wide,  
50.00mm

Note: HDM, HDM+, VHDM, VHDM-HSD and GbX are trademarks or registered trademarks of Amphenol TCS.

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