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Part Number:

0740582561

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, Pin End Version, 150 Circuits, 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:

Drawing (PDF)

Product Specification PS-74031-999 (PDF)

Packaging Specification PK-74058-003 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                 |
|--------------------------------|-----------------------------------------------------------------|
| <b>General</b>                 |                                                                 |
| Product Family                 | Backplane Connectors                                            |
| Series                         | 74058                                                           |
| Application                    | Backplane                                                       |
| Application Tooling Documents  | TM-622010999                                                    |
| Comments                       | Keying Position F                                               |
| Component Type                 | PCB Header                                                      |
| Overview                       | VHDM® Backplane Connector Systems                               |
| Product Name                   | VHDM®                                                           |
| UPC                            | 800754848794                                                    |
| <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          | Yes                                                             |
| Material - Metal               | Beryllium Copper, High Performance Alloy (HPA), Stainless Steel |
| Material - Plating Mating      | Gold                                                            |
| Material - Plating Termination | Matte Tin                                                       |
| Material - Resin               | High Temperature Thermoplastic                                  |
| Net Weight                     | 14.266/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                                                             |
| Temperature Range - Operating  | 105°C                                                           |
| Termination Interface: Style   | Through Hole - Compliant Pin                                    |
| <b>Electrical</b>              |                                                                 |
| Current - Maximum per Contact  | 2.0A                                                            |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

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

Halogen-Free Status

Low-Halogen

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

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series

74058 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 #  |
|----------------------------------|------------|
| 6-Row Pin and Shield Repair Tool | 0622015800 |
| Signal Pin Inserter Repair Tool  | 0622015700 |
| 6-Row Shield Extraction Tool     | 0622016000 |

|                   |                     |
|-------------------|---------------------|
| Data Rate         | 3.125 Gbps          |
| Shield Type       | Ground Plane Shield |
| Shielded          | Yes                 |
| Voltage - Maximum | 120V AC (RMS)/DC    |

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-74058-003 |
| Product Specification   | PS-74031-999 |
| Sales Drawing           | SD-74058-002 |

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

|                                                                                            |                   |
|--------------------------------------------------------------------------------------------|-------------------|
| Insertion Module<br>for Advanced Mate<br>Signal Header, 6-<br>Row by 25-Wide,<br>50.00mm   | <u>0622020204</u> |
| Insertion Module<br>for Standard Shield<br>Signal Header, 6-<br>Row by 25-Wide,<br>50.00mm | <u>0622020208</u> |

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