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Part Number:

0740582543

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 4.25mm. 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)

RoHS Certificate of Compliance (PDF)

|                                |                                                                 |
|--------------------------------|-----------------------------------------------------------------|
| General                        |                                                                 |
| Product Family                 | Backplane Connectors                                            |
| Series                         | 74058                                                           |
| Application                    | Backplane                                                       |
| Application Tooling Documents  | TM-622010999                                                    |
| Comments                       | Keying Position D                                               |
| Component Type                 | PCB Header                                                      |
| Overview                       | VHDM® Backplane Connector Systems                               |
| Product Name                   | VHDM®                                                           |
| UPC                            | 800753260672                                                    |
| Physical                       |                                                                 |
| 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                     | 14.116/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                                    |
| Electrical                     |                                                                 |
| Current - Maximum per Contact  | 2.0A                                                            |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2014 December 17): No

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

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 #  |
|-----------------------------------------------------------------------------|------------|
| Insertion Module for Advanced Mate Signal Header, 6-Row by 25-Wide, 50.00mm | 0622020204 |
| Insertion Module for Standard Shield                                        | 0622020208 |

|                                                                          |                     |                                                             |
|--------------------------------------------------------------------------|---------------------|-------------------------------------------------------------|
| Data Rate                                                                | 3.125 Gbps          | Signal Header, 6-Row by 25-Wide, 50.00mm                    |
| Shield Type                                                              | Ground Plane Shield | Signal Pin Inserter Repair Tool <a href="#">0622015700</a>  |
| Shielded                                                                 | Yes                 | 6-Row Pin and Shield Repair Tool <a href="#">0622015800</a> |
| Voltage - Maximum                                                        | 120V AC (RMS)/DC    | 6-Row Shield Extraction Tool <a href="#">0622016000</a>     |
| <b>Material Info</b>                                                     |                     |                                                             |
| <b>Reference - Drawing Numbers</b>                                       |                     |                                                             |
| Product Specification                                                    | PS-74031-999        |                                                             |
| Sales Drawing                                                            | SD-74058-002        |                                                             |
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