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Part Number:

76136-8501

Status:

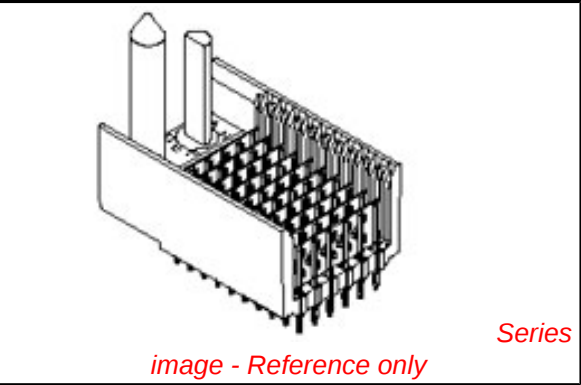
Active

Overview:

VHDM® H-Series Backplane Connectors

Description:

2.00mm Pitch VHDM® H-Series Single-Ended Board-to-Board Backplane Header, Vertical, 8-Row, Guide Pin, Shield End Module, Open End Version, 80 Circuits, Pin Length 4.75mm, Lead-Free. Series:74075 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                        | 74061                               |
| Application                   | Backplane                           |
| Application Tooling Documents | TM-622010999                        |
| Comments                      | No Keying Position                  |
| Component Type                | PCB Header                          |
| Overview                      | VHDM® H-Series Backplane Connectors |
| Product Name                  | VHDM® - H Series                    |
| Style                         | N/A                                 |
| UPC                           | 884982238534                        |

| Physical                       |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 200                            |
| Circuits (maximum)             | 200                            |
| 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               | Copper Alloy                   |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Matte Tin                      |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 16.294/g                       |
| Number of Columns              | 25                             |
| Number of Pairs                | Open Pin Field                 |
| Number of Rows                 | 8                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 1.83mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.83mm                         |
| 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  | -55°C to +85°C                 |
| Termination Interface: Style   | Through Hole - Compliant Pin   |

Electrical

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

74061Series

| 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 #                  |
| 8-Row Pin and Shield Repair Tool Insertion Module for Standard Shield Signal Header, 8-Row by 25-Wide, 50.00mm                                                                  | <a href="#">0622015900</a> |
| Signal Pin Inserter Repair Tool                                                                                                                                                 | <a href="#">0622020210</a> |
| 8-Row Shield Extraction Tool                                                                                                                                                    | <a href="#">0622015700</a> |
|                                                                                                                                                                                 | <a href="#">0622016100</a> |

|                               |                     |
|-------------------------------|---------------------|
| Current - Maximum per Contact | 3A                  |
| Data Rate                     | 6.25 Gbps           |
| Shield Type                   | Ground Plane Shield |
| Shielded                      | Yes                 |
| Voltage - Maximum             | 120V AC (RMS)/DC    |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-74031-999 |
| Sales Drawing         | SD-76136-001 |

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