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Part Number:

74650-2524

Status:

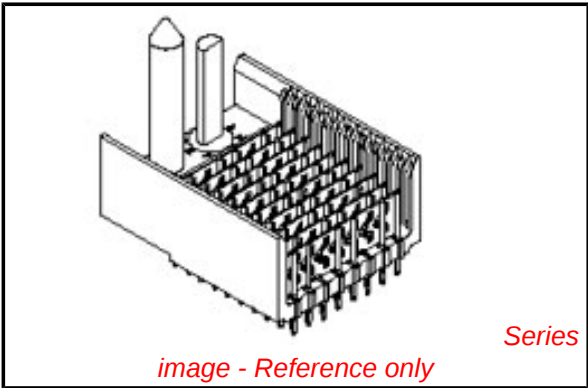
Active

Overview:

VHDM-HSD™ Backplane Connectors

Description:

VHDM-HSD™ Backplane Header, 2.00mm Pitch, 8-Row, Guide Pin Signal Module, Pin End Version, 150 Circuits, Pin Length 5.15mm. Series:74659 Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15 and 6.25mm



|                                                          |                                                      |
|----------------------------------------------------------|------------------------------------------------------|
| Documents:                                               |                                                      |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification PS-74031-999 (PDF)</a> |                                                      |

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| Agency Certification           |                                                                      |
| CSA                            | LR19980                                                              |
| UL                             | E29179                                                               |
| General                        |                                                                      |
| Product Family                 | Backplane Connectors                                                 |
| Series                         | 74650                                                                |
| Application                    | Backplane                                                            |
| Application Tooling Documents  | TM-622010999                                                         |
| Comments                       | Keying Orientation B                                                 |
| Component Type                 | PCB Header                                                           |
| Overview                       | VHDM-HSD™ Backplane Connectors                                       |
| Product Name                   | VHDM-HSD™                                                            |
| Style                          | N/A                                                                  |
| UPC                            | 756054466056                                                         |
| 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           | Yes                                                                  |
| Keying to Mating Part          | Yes                                                                  |
| Material - Metal               | Copper-Nickel-Silicon, High Performance Alloy (HPA), Stainless Steel |
| Material - Plating Mating      | Gold                                                                 |
| Material - Plating Termination | Matte Tin                                                            |
| Material - Resin               | High Temperature Thermoplastic                                       |
| Net Weight                     | 16.287/g                                                             |
| Number of Columns              | 25                                                                   |
| Number of Pairs                | Open Pin Field                                                       |
| Number of Rows                 | 8                                                                    |
| 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  | 2.00mm                                                               |
| Plating min - Mating           | 0.762µm                                                              |
| Plating min - Termination      | 0.762µm                                                              |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Low-Halogen

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

74650Series

Mates With

HSD Daughtercards [74680](#) , [74686](#)

Use With

Daughtercard Modules

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="#">0622020206</a> |
| Signal Pin Inserter Repair Tool                                             | <a href="#">0622015700</a> |

|                                |                              |
|--------------------------------|------------------------------|
| Polarized to PCB               | Yes                          |
| Surface Mount Compatible (SMC) | Yes                          |
| Temperature Range - Operating  | -55°C to +105°C              |
| Termination Interface: Style   | Through Hole - Compliant Pin |

**Electrical**

|                               |                     |
|-------------------------------|---------------------|
| Current - Maximum per Contact | 2A                  |
| Data Rate                     | 5.0 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-74650-002 |

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