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Part Number:

0746492601

Status:

Active

Overview:

VHDM-HSD™ Backplane Connectors

Description:

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

Documents:

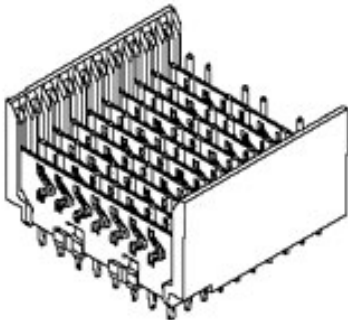
Drawing (PDF)

Packaging Specification PK-74060-003 (PDF)

Product Specification PS-74031-999 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                      |
| CSA                            | LR19980                                                                                              |
| UL                             | E29179                                                                                               |
| General                        |                                                                                                      |
| Product Family                 | Backplane Connectors                                                                                 |
| Series                         | 74649                                                                                                |
| 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                       | VHDM-HSD™ Backplane Connectors                                                                       |
| Product Name                   | VHDM-HSD™                                                                                            |
| UPC                            | 756054235492                                                                                         |
| 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               | Copper-Nickel-Silicon, High Performance Alloy (HPA)                                                  |
| Material - Plating Mating      | Gold                                                                                                 |
| Material - Plating Termination | Matte Tin                                                                                            |
| Material - Resin               | High Temperature Thermoplastic                                                                       |
| 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                                                                                              |
| Polarized to PCB               | No                                                                                                   |
| Surface Mount Compatible (SMC) | Yes                                                                                                  |
| Temperature Range - Operating  | -55°C to +105°C                                                                                      |



Series image - Reference only

EU ELV

Not Reviewed

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

Not Reviewed

ELV

Not Reviewed

Search Parts in this Series

74649 Series

Mates With

VHDM-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

0622020206

|                                                                                                  |                              |
|--------------------------------------------------------------------------------------------------|------------------------------|
| Termination Interface: Style                                                                     | Through Hole - Compliant Pin |
| <b>Electrical</b>                                                                                |                              |
| Current - Maximum per Contact                                                                    | 2.0A                         |
| Data Rate                                                                                        | 5.0 Gbps                     |
| Shield Type                                                                                      | Ground Plane Shield          |
| Shielded                                                                                         | Yes                          |
| Voltage - Maximum                                                                                | 120V AC (RMS)/DC             |
| <b>Material Info</b>                                                                             |                              |
| <b>Reference - Drawing Numbers</b>                                                               |                              |
| Packaging Specification                                                                          | PK-74060-003                 |
| Product Specification                                                                            | PS-74031-999                 |
| Sales Drawing                                                                                    | SD-74649-003                 |
| Note: HDM, HDM+, VHDM, VHDM-HSD and GbX are trademarks or registered trademarks of Amphenol TCS. |                              |

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