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Part Number:

0746511112

Status:

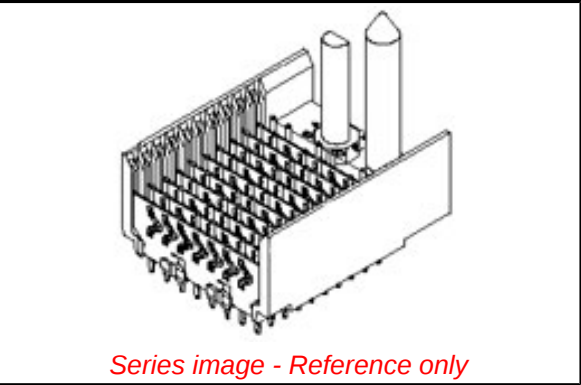
Active

Overview:

VHDM-HSD™ Backplane Connectors

Description:

VHDM-HSD™ Backplane Header, 2.00mm Pitch, 8-Row, Guide Pin Signal Module, Shield Pin End Version, Advanced Mate Shield, 60 Circuits, Keying Option A.  
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="#">Packaging Specification PK-74061-003 (PDF)</a> |
| <a href="#">Product Specification PS-74031-999 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>       |

|                                |                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                      |
| CSA                            | LR19980                                                                                              |
| UL                             | E29179                                                                                               |
| General                        |                                                                                                      |
| Product Family                 | Backplane Connectors                                                                                 |
| Series                         | 74651                                                                                                |
| 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                            | 756054365847                                                                                         |
| Physical                       |                                                                                                      |
| Circuits (Loaded)              | 60                                                                                                   |
| Circuits (maximum)             | 60                                                                                                   |
| 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                     | 8.890/g                                                                                              |
| Number of Columns              | 10                                                                                                   |
| 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               | Yes                                                                                                  |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

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

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

74651 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, 8- | 0622020205 |

|                                    |                              |                            |
|------------------------------------|------------------------------|----------------------------|
| Surface Mount Compatible (SMC)     | Yes                          | Row by 10-Wide,<br>20.00mm |
| Temperature Range - Operating      | -55°C to +105°C              |                            |
| 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>Solder Process Data</b>         |                              |                            |
| Lead-freeProcess Capability        | N/A                          |                            |
| <b>Material Info</b>               |                              |                            |
| <b>Reference - Drawing Numbers</b> |                              |                            |
| Packaging Specification            | PK-74061-003                 |                            |
| Product Specification              | PS-74031-999                 |                            |
| Sales Drawing                      | SD-74651-003                 |                            |

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

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