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Part Number:

0746491004

Status:

Active

Overview:

VHDM - HSD\*

Description:

2.00mm (.079") Pitch 8-Row VHDM-HSD™ Backplane Header, Open Module, 80 Circuits, Pin Length 5.15mm (.203")

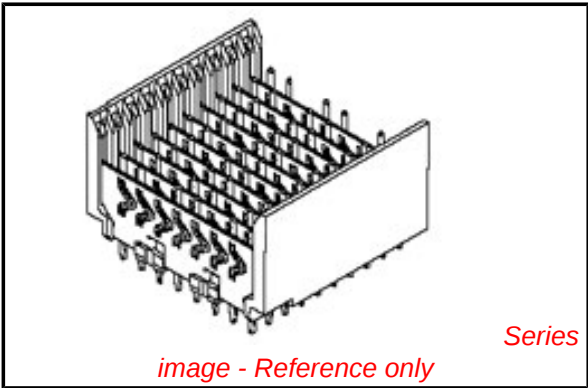
Documents:

Packaging Specification (PDF)

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

|                                |                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------|
| General                        |                                                                                  |
| Product Family                 | Backplane Connectors                                                             |
| Series                         | 74649                                                                            |
| Application                    | Backplane                                                                        |
| Application Tooling Documents  | <a href="http://www.molex.com/pdm_docs/ats/ATS-622010999.pdf">Tooling Manual</a> |
| Comments                       | Open Header                                                                      |
| Component Type                 | PCB Header                                                                       |
| Overview                       | VHDM - HSD*                                                                      |
| Product Name                   | VHDM-HSD™                                                                        |
| Style                          | N/A                                                                              |
| Physical                       |                                                                                  |
| Circuits (Loaded)              | 80                                                                               |
| Circuits (maximum)             | 80                                                                               |
| 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 | Tin-Lead                                                                         |
| Material - Resin               | High Temperature Thermoplastic                                                   |
| Number of Columns              | 10                                                                               |
| Number of Pairs                | Open Pin Field                                                                   |
| Number of Rows                 | 8                                                                                |
| Orientation                    | Vertical                                                                         |
| PC Tail Length (in)            | 0.098 In                                                                         |
| PC Tail Length (mm)            | 2.50 mm                                                                          |
| PCB Locator                    | No                                                                               |
| PCB Retention                  | None                                                                             |
| PCB Thickness Recommended (in) | 0.070 In                                                                         |
| PCB Thickness Recommended (mm) | 1.80 mm                                                                          |
| Packaging Type                 | Tube                                                                             |
| Pitch - Mating Interface (in)  | 0.079 In                                                                         |
| Pitch - Mating Interface (mm)  | 2.00 mm                                                                          |
| Pitch - Term. Interface (in)   | 0.079 In                                                                         |
| Pitch - Term. Interface (mm)   | 2.00 mm                                                                          |
| Plating min: Mating (µin)      | 30                                                                               |
| Plating min: Mating (µm)       | 0.75                                                                             |
| Plating min: Termination (µin) | 30                                                                               |
| Plating min: Termination (µm)  | 0.75                                                                             |
| Polarized to PCB               | Yes                                                                              |
| Stackable                      | Yes                                                                              |



EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



Pb

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

74649Series

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 #                  |
|-------------------------------------------------------------------------------------------|----------------------------|
| VHDM® Insertion Module for Advanced Mate Signal Header, 8 Row by 10 Wide, 20.00mm (.787") | <a href="#">0622020205</a> |

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

**Electrical**

|                         |                     |
|-------------------------|---------------------|
| CSA                     | LR19980             |
| Current - Maximum       | 1A                  |
| Data Rate               | 5.0 Gbps            |
| Real Signals (per 25mm) | 72                  |
| Shield Type             | Ground Plane Shield |
| Shielded                | Yes                 |
| UL                      | E29179              |
| Voltage - Maximum       | 250V                |

**Material Info**

**Reference - Drawing Numbers**

|               |              |
|---------------|--------------|
| Sales Drawing | SD-74649-002 |
|---------------|--------------|

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