

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

73942-0000

Status:

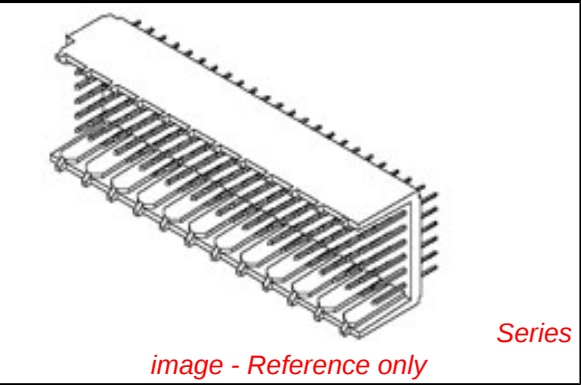
Active

Overview:

HDM® Backplane Connector System

Description:

HDM® Board-to-Board Backplane Header, Vertical, Solder Tail, Open End, 72 Circuits



Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

| Agency Certification |                                 |
|----------------------|---------------------------------|
| CSA                  | LR19980                         |
| UL                   | E29179                          |
| General              |                                 |
| Product Family       | Backplane Connectors            |
| Series               | 73942                           |
| Application          | Backplane                       |
| Comments             | Solder Tail                     |
| Component Type       | PCB Header                      |
| Overview             | HDM® Backplane Connector System |
| Product Name         | HDM®                            |
| UPC                  | 800755030914                    |

| Physical                       |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 72                             |
| Circuits (maximum)             | 72                             |
| Color - Resin                  | Black, Natural                 |
| Durability (mating cycles max) | 250                            |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Columns              | 12                             |
| Number of Pairs                | Open Pin Field                 |
| Number of Rows                 | 6                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 2.00mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 2.50mm                         |
| Packaging Type                 | Tube                           |
| Pitch - Mating Interface       | 2.00mm                         |
| Pitch - Termination Interface  | 2.00mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 2.540µm                        |
| Stackable                      | Yes                            |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -55°C to +105°C                |
| Termination Interface: Style   | Through Hole                   |

| Electrical                    |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.0A |

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

73942Series

Mates With

73632 HDM PLUS® Board-to-Board Daughtercard Receptacle. 73780 HDM® Board-to-Board Daughtercard Receptacle

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 #  |
|---------------------|------------|
| Extraction Tool     | 0621001000 |
| Backplane Insertion | 0621001400 |
| Signal Contact Tool |            |

|                   |          |
|-------------------|----------|
| Data Rate         | 1.0 Gbps |
| Voltage - Maximum | 250V AC  |

**Material Info**

**Reference - Drawing Numbers**

|               |              |
|---------------|--------------|
| Sales Drawing | SD-73942-001 |
|---------------|--------------|

HDM and High Density Metric are trademarks of Amphenol Corporation

This document was generated on 04/28/2015

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**