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Part Number:

0739425000

Status:

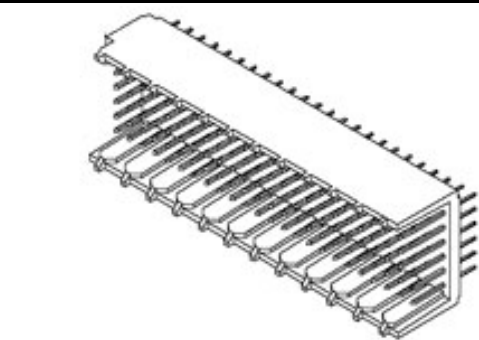
Active

Overview:

HDM Backplane Connector System

Description:

HDM Board-to-Board Backplane Header, Vertical, Solder Tail, Open End, 144 Circuits



Series image - Reference only

Documents:

3D Model

Packaging Specification PK-70873-0818 (PDF)

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                            | 800753935020                   |
| Physical                       |                                |
| Circuits (Loaded)              | 144                            |
| Circuits (maximum)             | 144                            |
| 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 |
| Net Weight                     | 6.273/g                        |
| Number of Columns              | 24                             |
| Number of Pairs                | Open Pin Field                 |
| Number of Rows                 | 6                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 3.00mm                         |
| 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° to +105°C                 |
| Termination Interface: Style   | Through Hole                   |
| Electrical                     |                                |
| Current - Maximum per Contact  | 1.0A                           |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -  
ED/61/2018 (27 June  
2018)

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  |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

73942 Series

Mates With

73632 HDM+ Board-to-Board Daughtercard  
Receptacle. 73780 HDM Board-to-Board  
Daughtercard Receptacle

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

**Solder Process Data**

|                                                |          |
|------------------------------------------------|----------|
| Duration at Max. Process Temperature (seconds) | 040      |
| Lead-freeProcess Capability                    | SMC&WAVE |
| Max. Cycles at Max. Process Temperature        | 003      |
| Process Temperature max. C                     | 260      |

**Material Info**

**Reference - Drawing Numbers**

|                         |               |
|-------------------------|---------------|
| Packaging Specification | PK-70873-0818 |
| Sales Drawing           | SD-73942-001  |

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