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**Part Number:** [0737800244](#)  
**Status:** **Active**  
**Overview:** [HDM Backplane Connector System](#)  
**Description:** HDM Board-to-Board Daughtercard Receptacle, Vertical, Signal Module, 72 Circuits, Mounted Height 14.00mm, Pin Length 3.00mm, Solder Tail

**Documents:**

|                                |                                                              |
|--------------------------------|--------------------------------------------------------------|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-73780-999-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">Test Summary TS-73670-990-001 (PDF)</a>          |
| <a href="#">Drawing (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |

**Agency Certification**

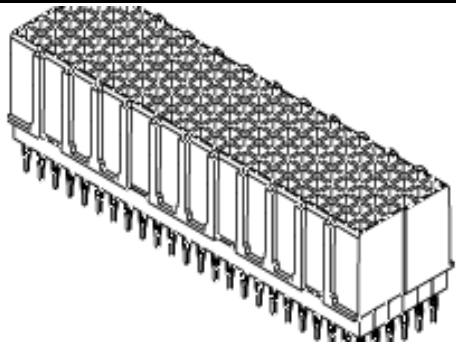
|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

**General**

|                |                                                |
|----------------|------------------------------------------------|
| Product Family | Backplane Connectors                           |
| Series         | <a href="#">73780</a>                          |
| Application    | Daughtercard, Mezzanine                        |
| Comments       | Solder Tail                                    |
| Component Type | PCB Receptacle                                 |
| Overview       | <a href="#">HDM Backplane Connector System</a> |
| Product Name   | HDM                                            |
| UPC            | 756054166796                                   |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 72                             |
| Circuits (maximum)             | 72                             |
| Color - Resin                  | Black                          |
| 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               | Copper-Nickel-Tin              |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 10.002/g                       |
| Number of Columns              | 12                             |
| 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    | 1.60mm                         |
| Packaging Type                 | Tube                           |
| Pitch - Mating Interface       | 2.00mm                         |
| Pitch - Termination Interface  | 2.00mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to PCB               | No                             |
| Stackable                      | Yes                            |
| Surface Mount Compatible (SMC) | Yes                            |
| Temperature Range - Operating  | -55° to +105°C                 |
| Termination Interface: Style   | Through Hole                   |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[73780](#) Series

**Mates With**

HDM Board-to-Board Backplane Header  
[73642](#) , [73643](#) , [73644](#) , [73942](#) , [73943](#) ,  
[73944](#) , [74349](#) , [74428](#). HDM Board-to-  
Board Stacking Header [73769](#) , [73770](#) ,  
[73782](#) , [73783](#) , [73771](#)

**Electrical**

|                               |             |
|-------------------------------|-------------|
| Current - Maximum per Contact | 15.0A, 1.0A |
| Data Rate                     | 1.0 Gbps    |
| Real Signals (per 25mm)       | 75          |
| Shielded                      | No          |
| Voltage - Maximum             | 250V AC     |

**Solder Process Data**

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 260  |

**Material Info**

**Reference - Drawing Numbers**

|                       |                  |
|-----------------------|------------------|
| Product Specification | PS-73780-999-001 |
| Sales Drawing         | SD-73780-004     |
| Test Summary          | TS-73670-990-001 |

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