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Part Number: [0737801257](#)
Status: **Active**
Overview: HDM® Backplane Connector System
Description: HDM Board-to-Board Daughtercard Receptacle, Vertical, Signal Module, 144 Circuits, Mounted Height 17.00mm, Pin Length 3.50mm, Solder Tail

Documents:

| | |
|--|--|
| 3D Model | Product Specification TS-73670-990-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-70873-0872 (PDF) |
| Product Specification PS-73780-999-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

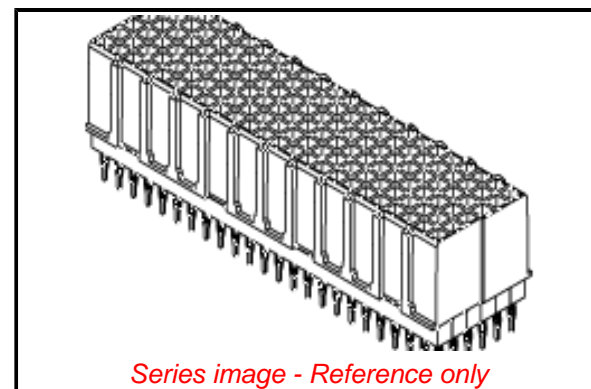
UL E29179

General

| | |
|----------------|--|
| Product Family | Backplane Connectors |
| Series | 73780 |
| Application | Daughtercard, Mezzanine |
| Comments | Solder Tail |
| Component Type | PCB Receptacle |
| Overview | <u>HDM® Backplane Connector System</u> |
| Product Name | HDM® |
| UPC | 822348173631 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 144 |
| Circuits (maximum) | 144 |
| 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 | 20.030/g |
| Number of Columns | 24 |
| Number of Pairs | Open Pin Field |
| Number of Rows | 6 |
| Orientation | Vertical |
| PC Tail Length | 3.50mm |
| 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°C to +105°C |
| Termination Interface: Style | Through Hole |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/30/2017 (7 July 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email 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

[73780](#) Series

Mates With

HDM Board-to-Board Backplane Header [73642](#) , [73643](#) , [73644](#) , [73942](#) , [73943](#) , [73944](#) , [7 4349](#) , [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**

| | |
|-------------------------|------------------------------------|
| Packaging Specification | PK-70873-0872 |
| Product Specification | PS-73780-999-001, TS-73670-990-001 |
| Sales Drawing | SD-73780-004 |

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