



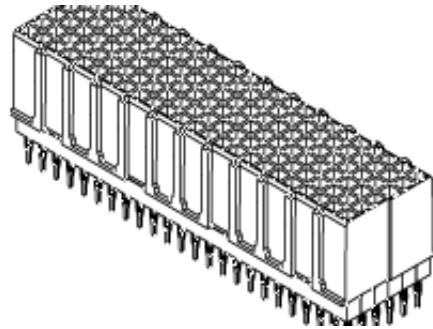
**Part Number :** [737827200](#)

**Product Description :** HDM Board-to-Board Stacking Header, High Rise Vertical, SMC, Closed End Option, 144 Circuits, Stack Height 6.05mm

**Series Number :** 73782

**Status :** Active

**Product Category :** Backplane Connectors



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## Documents & Resources

### Drawings

[Drawing 737827200\\_sd.pdf](#)

[Packaging Design Drawing PK-70873-0875-001.pdf](#)

### 3D Models and Design Files

[3D Model 737827200\\_stp.zip](#)

### Specifications

[Application Specification AS-73642-9998-001.pdf](#)

[Product Specification PS-73780-999-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

### [Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

### [Multiple Part Industry Compliance Documents](#)

- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	Backplane Connectors
Series	73782
Description	HDM Board-to-Board Stacking Header, High Rise Vertical, SMC, Closed End Option, 144 Circuits, Stack Height 6.05mm
Application	Backplane, Mezzanine
Component Type	PCB Header
Product Family	HDM Backplane Connector System
Product Name	HDM
UPC	800756075112

### Agency

CSA	LR19980
UL	E29179

### Electrical

Current - Maximum per Contact	1.0A
Data Rate	1.0 Gbps
Real Signals (per 25mm)	72
Voltage - Maximum	100V AC

### Physical

Circuits (Loaded)	144
Circuits (maximum)	144
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	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Net Weight	12.730/g
Number of Columns	24
Number of Pairs	Open Pin Field
Number of Rows	6
Orientation	Vertical
Packaging Type	Tube
PC Tail Length	3.50mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.40mm
Pitch - Mating Interface	2.00mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to PCB	No
Stackable	Yes
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Through Hole

#### Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	260

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#### Mates With / Use With

Mates with Part(s)

Description	Part Number
HDM Daughtercard Receptacles	<u>73632</u>
HDM Vertical Daughtercard Receptacles	<u>73780</u>

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