



**Part Number :** 736441016

**Series Number :** 73644

**Product Category :** Backplane Connectors

**Product Description :** HDM Board-to-Board Backplane Header, Vertical, SMC, Press-Fit, Guide Post Location B, Polarizing Key Position N/A, 144 Circuits, Mating Length 5.00mm

**Status :** Active

Documents & Resources


**Drawings**  
Drawing 736441016\_sd.pdf  
Packaging Design Drawing PK-70873-0818-001.pdf

**3D Models and Design Files**  
3D Model 736441016\_stp.zip

**Specifications**  
Application Specification AS-73642-9998-001.pdf  
Product Specification PS-73670-9999-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
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

---

### Part Details

#### General

Status	Active
Category	Backplane Connectors
Series	73644
Description	HDM Board-to-Board Backplane Header, Vertical, SMC, Press-Fit, Guide Post Location B, Polarizing Key Position N/A, 144 Circuits, Mating Length 5.00mm
Application	Backplane
Comments	Standard Press-Fit
Component Type	PCB Header
Product Family	HDM Backplane Connector System
Product Name	HDM
UPC	800754345231

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

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

#### 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	Yes
Keying to Mating Part	None
Material - Metal	Phosphor Bronze, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	9.026/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	Yes
PCB Thickness - Recommended	2.50mm
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.762µm
Plating min - Termination	0.051µm
Polarized to PCB	No
Stackable	Yes
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

## Solder Process Data

Lead-Free Process Capability	N/A
------------------------------	-----

---

## Mates With / Use With

Mates with Part(s)

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

---

Application Tooling

Global

Description	Part Number
Extraction Tool	<u>621001000</u>