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**Part Number:** [0736442205](#)  
**Status:** **Active**  
**Overview:** [HDM Backplane Connector System](#)  
**Description:** HDM Board-to-Board Backplane Header, Vertical, SMC, Press-Fit, Guide Post Location A, Polarizing Key Position C, 72 Circuits, Mating Length 6.00mm

**Documents:**

[3D Model](#) [Packaging Specification PK-70873-0818 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

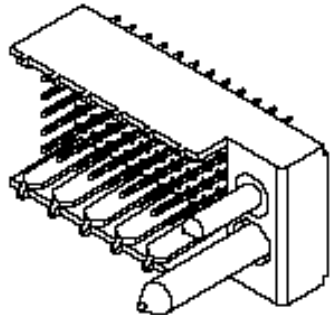
CSA LR19980  
UL E29179

**General**

Product Family Backplane Connectors  
Series [73644](#)  
Application Backplane  
Comments Standard Press-Fit, Tin/Lead (SnPb), Standard Press-Fit, Tin/Lead (SnPb)  
Component Type PCB Header  
Overview [HDM Backplane Connector System](#)  
Product Name HDM  
UPC 800754832625

**Physical**

Circuits (Loaded) 72  
Circuits (maximum) 72  
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 Yes  
Material - Metal Phosphor Bronze, Stainless Steel  
Material - Plating Mating Gold  
Material - Plating Termination Tin  
Material - Resin High Temperature Thermoplastic  
Net Weight 6.313/g  
Number of Columns 12  
Number of Pairs Open Pin Field  
Number of Rows 6  
Orientation Vertical  
PC Tail Length 3.50mm  
PCB Locator No  
PCB Retention Yes  
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 0.381µm  
Polarized to PCB No  
Stackable Yes  
Surface Mount Compatible (SMC) Yes  
Temperature Range - Operating -55° to +105°C  
Termination Interface: Style Through Hole - Compliant Pin



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS Green Image  
ELV Not Relevant  
RoHS Phthalates Not Contained

**Search Parts in this Series**

[73644](#) Series

**Mates With**

[73632](#) HDM+ Board-to-Board Daughtercard Receptacle. [73780](#) HDM Board-to-Board Daughtercard Receptacle

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description                                                         | Product #                 |
|---------------------------------------------------------------------|---------------------------|
| Extraction Tool                                                     | <a href="#">621001000</a> |
| Backplane Insertion                                                 | <a href="#">621001400</a> |
| Signal Contact Tool                                                 |                           |
| Backplane Signal                                                    | <a href="#">622008502</a> |
| Insertion Module                                                    |                           |
| Press-In Tool for 2.00mm Pitch HDM* Board-to-Board Backplane Header |                           |

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                         |                |
|-------------------------|----------------|
| Packaging Specification | PK-70873-0818  |
| Sales Drawing           | SDA-73644-XXXX |

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