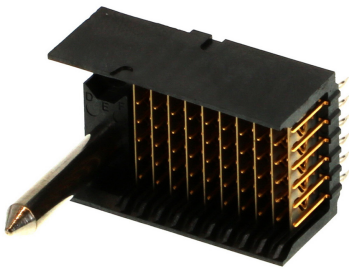




Part Number : [740581002](#)
Product Description : VHDM Single-Ended Board-to-Board Backplane Header, 2.00mm Pitch, Vertical, 6 Rows, Pin End Version, 60 Circuits, 10 Columns, Pin Length 6.25mm
Series Number : 74058
Status : Active
Product Category : Backplane Connectors



Documents & Resources


Drawings
[740581002_sd.pdf](#)
[PK-74058-003-001.pdf](#)

3D Models and Design Files
[740581002_stp.zip](#)

Specifications
[PS-74031-999-001.pdf](#)

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(2024)4144-DC (27 June 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

Part Details

General

| | |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Status | Active |
| Category | Backplane Connectors |
| Series | 74058 |
| Description | VHDM Single-Ended Board-to-Board Backplane Header, 2.00mm Pitch, Vertical, 6 Rows, Pin End Version, 60 Circuits, 10 Columns, Pin Length 6.25mm |
| Application | Backplane |
| Comments | No Keying Position |
| Component Type | PCB Header |
| Product Name | VHDM |
| UPC | 800754780520 |

Agency

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

Electrical

| | |
|-------------------------------|---------------------|
| Current - Maximum per Contact | 2.0A |
| Data Rate | 3.125 Gbps |
| Shield Type | Ground Plane Shield |
| Shielded | Yes |
| Voltage - Maximum | 120V AC (RMS)/DC |

Physical

| | |
|--------------------------------|-------|
| Circuits (Loaded) | 60 |
| Circuits (maximum) | 60 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |

| | |
|--------------------------------|-----------------------------------------------------------------|
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Guide to Mating Part | Yes |
| Keying to Mating Part | None |
| Material - Metal | Beryllium Copper, High Performance Alloy (HPA), Stainless Steel |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Matte Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 7.172/g |
| Number of Columns | 10 |
| Number of Pairs | Open Pin Field |
| Number of Rows | 6 |
| Orientation | Vertical |
| Packaging Type | Tube |
| PC Tail Length | 2.50mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.80mm |
| Pitch - Mating Interface | 2.00mm |
| Pitch - Termination Interface | 1.00mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 0.762µm |
| Polarized to PCB | Yes |
| Temperature Range - Operating | 105°C |
| Termination Interface Style | Through Hole - Compliant Pin |

Application Tooling

Global

| Description | Part Number |
|----------------------------------|------------------|
| Signal Pin Inserter Repair Tool | <u>622015700</u> |
| 6-Row Pin and Shield Repair Tool | <u>622015800</u> |
| 6-Row Shield Extraction Tool | <u>622016000</u> |

