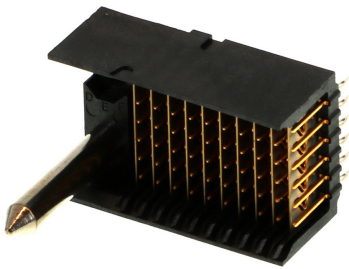




**Part Number :** [740581002](#)  
**Product Description :** VHDM Single-Ended Board-to-Board Backplane Header, 2.00mm Pitch, Vertical, 6 Rows, Pin End Version, 60 Circuits, 10 Columns, Pin Length 6.25mm  
**Series Number :** 74058  
**Status :** Active  
**Product Category :** Backplane Connectors



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)6225-DC (07 Nov 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> |

