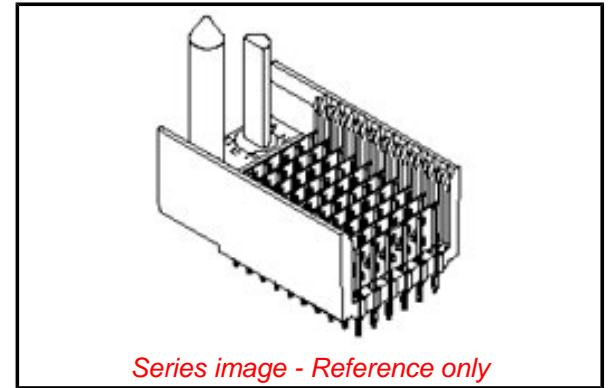


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Part Number: **0740582501**
Status: **Active**
Overview: VHDM® Backplane Connector Systems
Description: VHDM® Single-Ended Board-to-Board Backplane Header, 2.00mm Pitch, Vertical, 6-Rows, Pin End Version, 150 Circuits, Pin Length 4.75mm. Series:74074 Enables designers to create custom loaded connectors utilizing standard pin lengths 4.25, 4.75, 5.15 and 6.25mm



Documents:

[3D Model](#) [Product Specification PS-74031-999 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

| | |
|-------------------------------|--|
| Product Family | Backplane Connectors |
| Series | 74058 |
| Application | Backplane |
| Application Tooling Documents | TM-622010999 |
| Comments | No Keying Position |
| Component Type | PCB Header |
| Overview | <u>VHDM® Backplane Connector Systems</u> |
| Product Name | VHDM® |
| UPC | 800754780599 |

Physical

| | |
|--------------------------------|--|
| Circuits (Loaded) | 150 |
| Circuits (maximum) | 150 |
| Color - Resin | Black |
| Durability (mating cycles max) | 200 |
| First Mate / Last Break | No |
| 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 | 13.368/g |
| Number of Columns | 10 |
| Number of Pairs | Open Pin Field |
| Number of Rows | 6 |
| Orientation | Vertical |
| PC Tail Length | 2.50mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.80mm |
| Packaging Type | Tube |
| Pitch - Mating Interface | 2.00mm |
| Pitch - Termination Interface | 1.00mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 0.762µm |
| Polarized to PCB | Yes |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | 105°C |
| Termination Interface: Style | Through Hole - Compliant Pin |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
|-------------------------------|------|

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2014 December 17): No

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series

74058 Series

Mates With

74030 VHDM® 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 #

| | |
|---|-------------------|
| Insertion Module for Advanced Mate Signal Header, 6-Row by 25-Wide, 50.00mm | <u>0622020204</u> |
| Insertion Module for Standard Shield | <u>0622020208</u> |

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

Solder Process Data

| | |
|------------------------------|-----|
| Lead-free Process Capability | N/A |
|------------------------------|-----|

Material Info**Reference - Drawing Numbers**

| | |
|-----------------------|--------------|
| Product Specification | PS-74031-999 |
| Sales Drawing | SD-74058-002 |

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| | |
|--|-------------------|
| Signal Header, 6-Row by 25-Wide, 50.00mm | |
| Signal Pin Inserter Repair Tool | <u>0622015700</u> |
| 6-Row Pin and Shield Repair Tool | <u>0622015800</u> |
| 6-Row Shield Extraction Tool | <u>0622016000</u> |

This document was generated on 07/07/2015

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