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Part Number: [0740591002](#)
Status: **Active**
Overview: VHDM Backplane Connector Systems
Description: VHDM Single-Ended Board-to-Board Backplane Header, 2.00mm Pitch, Vertical, 6 Rows, Guide Pin Signal Module, Shield End Version, 60 Circuits, 10 Columns, Pin Length 6.25mm

Documents:

[3D Model](#) [Product Specification PS-74031-999-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[3D Model \(PDF\)](#)

Agency Certification

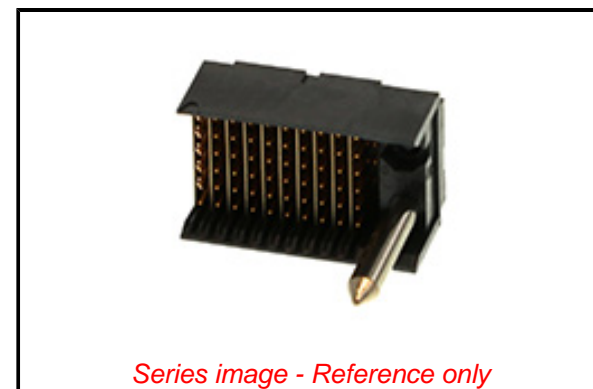
UL E29179

General

Product Family Backplane Connectors
 Series [74059](#)
 Application Backplane
 Application Tooling Documents TM-622010999-001
 Comments No Keying Position
 Component Type PCB Header
 Overview [VHDM Backplane Connector Systems](#)
 Product Name VHDM
 UPC 800754780742

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 7.156/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
 Polarized to PCB 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

REACH SVHC

Contained Per -
 D(2021)4569-DC (8 July 2021)
 Dihexyl-phthalate
 Phenanthrene
 Imidazolidine-2-thione
 Dipentyl phthalate
 bis(2-(2-methoxyethoxy)ethyl) ether
 Benzo(ghi)perylene
 Octanoic acid,
 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pen
 Dodecamethylcyclohexasiloxane
 Octamethylcyclotetrasiloxane
 1,2-Benzenedicarboxylic acid, bis(3-methylbutyl)
 1,2-diethoxyethane
 Dibutyltin-dichloride
 C.I. Direct Black 38
 Ammonium-pentadecafluorooctanoate
 Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethyl-2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)p
 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol
 2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-b
 Terphenyl, hydrogenated

China RoHS

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

Material Info**Reference - Drawing Numbers**

Product Specification	PS-74031-999-001
Sales Drawing	SD-74059-002-001

diisohexyl phthalate
1,2-
Benzenedicarboxylic
acid, dipentyl ester, br
n-pentyl-
isopentylphthalate
Aluminosilicate
Refractory Ceramic
Fibres
Nonadecafluorodecanoic
acid (PFDA) and its
sodiu
Perfluorobutane
sulfonic acid (PFBS)
and its sal
Fluoranthene
Pyrene
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Methylhexahydrophthalic
anhydride
Lead chromate
Lead chromate
molybdate sulfate red
Lead sulfochromate
yellow
Tris(2-chloroethyl)
phosphate
Boric acid, disodium
salt, hydrate
Strontium-chromate
1,2-
Benzenedicarboxylic
acid, di-C7-11-
branched
Potassium
hydroxyoctaoxodizincatedichromate
Pentazinc-chromate-
octahydroxide
1,2-Dimethoxyethane
Decabromodiphenylether
Diboron-trioxide
Cadmium-oxide
Cadmium-sulphide
Lead(II,IV)-oxide
pyrochlore, antimony
lead yellow
Lead-dinitrate
Lead oxide sulfate
(Pb2O(SO4))
Lead-titanium-trioxide
Trilead-dioxide-
phosphonate
Tetralead-trioxide-
sulphate
Dioxobis(stearato)trilead
Cyanamide, lead(2+)
salt (1:1)
Cadmium Hydroxide
Sulfurous Acid, Lead
Salt, Dibasic
Silicic acid (H2Si2O5),
barium salt (1:1),
lead-
[Phthalato(2-)]dioxotrilead

Fatty Acids, C16-18,
Lead Salts
N,N-
Dimethylformamide

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

[74059](#) 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 #
Signal Pin Inserter Repair Tool	622015700
6-Row Pin and Shield Repair Tool	622015800
6-Row Shield Extraction Tool	622016000

This document was generated on 09/21/2021

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