molex

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
Drawing 740581002_sd.pdf
Packaging Design Drawing PK-74058-003-001.pdf

3D Models and Design Files
3D Model 740581002_stp.zip

Specifications
Product Specification 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(2023)8585-DC (23 Jan 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 Family	VHDM Backplane Connectors and Cable Assemblies
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	622015700

This document was generated on Apr 13, 2024