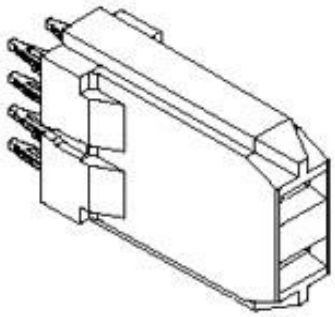
Part Number : 740296000
Product Description : VHDM Board-to-Board Backplane Receptacle Power Module, 2.00mm Pitch, Vertical, 6 Rows, 2 Circuits, Gold (Au) Selective 0.76µm, Lead-Free
Series Number : 74029
Status : Active
Product Category : Backplane Connectors



Documents & Resources

Drawings

740296000_sd.pdf

PK-70873-0876-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

PS-74031-999-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Backplane Connectors
Series	74029
Description	VHDM Board-to-Board Backplane Receptacle Power Module, 2.00mm Pitch, Vertical, 6 Rows, 2 Circuits, Gold (Au) Selective 0.76µm, Lead-Free
Application	Backplane
Comments	Backplane Receptacle Power Module
Component Type	Power Receptacle
Product Name	VHDM
UPC	800754771696

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	10.0A
Data Rate	2.5 Gbps

Real Signals (per 25mm)	72
Shielded	No
Voltage - Maximum	250V

Physical

Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.100/g
Number of Columns	N/A
Number of Pairs	Open Pin Field
Number of Rows	6
Orientation	Vertical
Packaging Type	Tube
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.80mm
PC Tail Length	2.80mm
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	4.00mm
Plating min - Mating	0.762µm
Plating min - Termination	0.381µm
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A

Application Tooling