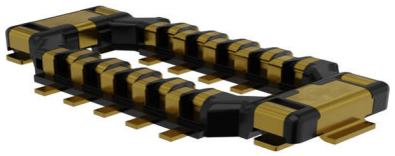
Part Number : 2280370203
Product Description : Quad-Row Board-to-Board Plug, 0.175mm Pitch, 0.50mm Mated Height, 2.00mm Mated Width, 20 Circuits, 2 Reels/Carton
Series Number : 228037
Status : Active
Product Category : Board-to-Board Connectors



Documents and Resources

Drawings

2280370203_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

2280370203.dxf

Specifications

2280379200-SPK-201.pdf

2280360000-AS-000.pdf

2280360000-PS-000.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)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

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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	Board-to-Board Connectors
Series	228037
Description	Quad-Row Board-to-Board Plug, 0.175mm Pitch, 0.50mm Mated Height, 2.00mm Mated Width, 20 Circuits, 2 Reels/Carton
Application	Board-to-Board
Component Type	Plug
Product Name	Quad-Row
UPC	198282929093

Electrical

Current - Maximum per Contact	0.3A, 3.0A
Voltage - Maximum	50V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Capable	No
Mated Height	0.50mm

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Mated Width	2.00mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer (LCP)
Net Weight	3.062/mg
Number of Rows	4
Orientation	Vertical
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
Pitch - Mating Interface	0.175mm
Pitch - Termination Interface	0.35mm
Plating min - Mating	0.100µm
Plating min - Termination	0.050µm
Polarized to Mating Part	No
Polarized to PCB	No
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
Quad-Row Board-to-Board Receptacles	228036

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