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Part Number: [0439730002](#)
Status: **Active**
Overview: Mini-Fit Jr. Power Connectors
Description: Mini-Fit Jr. BMI Header, 4.20mm Pitch, Dual Row, Vertical, Mate-First/Break Last, 40 Circuits, with Tin (Sn) Plating, Tail Length 5.31mm

Documents:

[3D Model](#) [Packaging Specification PK-42404-002-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification TS-42404-001-001 \(PDF\)](#)

Agency Certification

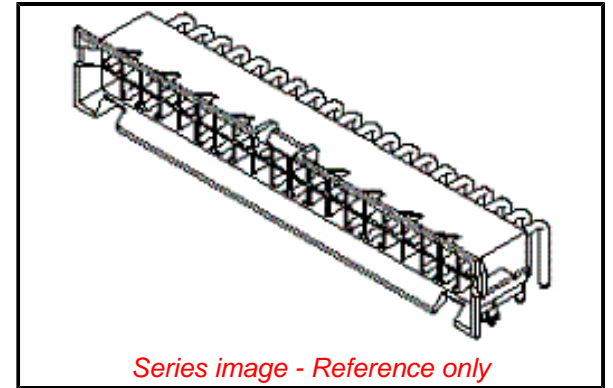
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [43973](#)
 Application Power, Wire-to-Board
 Comments Current = 13A max. per circuit when header is mated to a receptacle loaded with [45750](#) Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire., See Molex product specification PS-45750-001 for additional current de-rating information.
 Overview [Mini-Fit Jr. Power Connectors](#)
 Product Name Mini-Fit Jr.
 UPC 800756384771

Physical

Breakaway No
 Circuits (Loaded) 40
 Circuits (maximum) 40
 Durability (mating cycles max) 30
 First Mate / Last Break Yes
 Flammability 94V-0
 Glow-Wire Capable No
 Guide to Mating Part No
 Keying to Mating Part None
 Lock to Mating Part Yes
 Material - Metal Brass
 Material - Plating Mating Tin
 Material - Plating Termination Tin
 Net Weight 15.128/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 5.31mm
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 1.60mm
 Packaging Type Tray
 Pitch - Mating Interface 4.20mm
 Plating min - Mating 2.540µm
 Plating min - Termination 2.540µm
 Polarized to Mating Part Yes
 Polarized to PCB No
 Shrouded Fully
 Stackable No



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/01/2018 (15
 January 2018)

Halogen-Free

Status

Not 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
RoHS Phthalates	Not Contained

Search Parts in this Series

[43973](#) Series

Mates With

[43974-0002](#) Mini-Fit Jr. Receptacle,
[43974-0005](#) Mini-Fit Jr. Receptacle

Surface Mount Compatible (SMC)	No
Temperature Range - Operating	0°C to +85°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	13.0A
Voltage - Maximum	600V AC (RMS)/DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-42404-002-001
Product Specification	TS-42404-001-001
Sales Drawing	SD-43973-002

This document was generated on 05/18/2018

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