

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0447691602

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit BMI Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 0.38µm Gold (Au) Selective, 16 Circuits

Documents:

- 3D Model (PDF)

Drawing (PDF)

3D Model

Product Specification PS-44300-001-001 (PDF)

Packaging Specification PK-44769-001-001 (PDF)
- Test Summary 443000002-TS-000 (PDF)

Datasheet (PDF)

Symbol Footprint Data SYM-44769-1601-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Receptacles

Series

44769

Application

Board-to-Board, Power, Wire-to-Board

Overview

Micro-Fit Connector System

Product Name

Micro-Fit BMI

Taxonomy

PCB Headers and Receptacles

UPC

800756568645

Physical

Circuits (Loaded)

16

Circuits (maximum)

16

Color - Resin

Black

Durability (mating cycles max)

30

Flammability

94V-0

Glow-Wire Capable

No

Material - Metal

Phosphor Bronze

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

Liquid Crystal Polymer

Net Weight

2.924/g

Number of Rows

2

Orientation

Vertical

PC Tail Length

3.40mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness - Recommended

1.57mm

Packaging Type

Tray

Pitch - Mating Interface

3.00mm

Plating min - Mating

0.381µm

Plating min - Termination

2.540µm

Polarized to Mating Part

Yes

Polarized to PCB

Yes

Surface Mount Compatible (SMC)

Yes

Temperature Range - Operating

-40° to +105°C

Termination Interface: Style

Through Hole

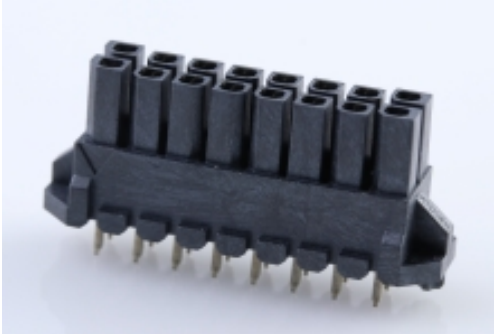
Electrical

Current - Maximum per Contact

8.5A

Voltage - Maximum

250V



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

44769 Series

Mates With

44428 Micro-Fit BMI Right Angle Headers,
44432 Micro-Fit BMI Vertical Headers,
44300 Micro-Fit BMI Plug Housing, 45280
Micro-Fit BMI CPI Compliant Pin Header

Solder Process Data

Duration at Max. Process Temperature (seconds)	005
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-44769-001-001
Product Specification	PS-44300-001-001
Sales Drawing	SD-44769-001-001
Symbol/Footprint Data	SYM-44769-1601-001
Test Summary	443000002-TS-000

This document was generated on 09/15/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION