

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0050362313

Status:

Active

Overview:

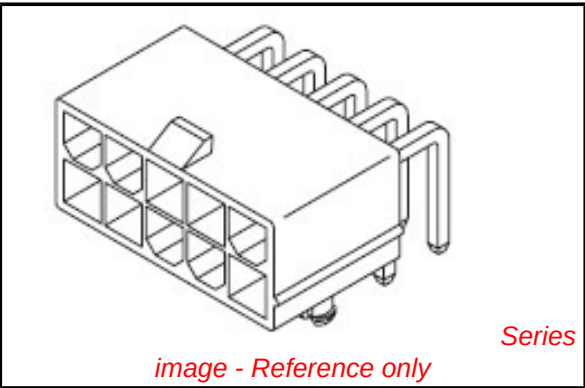
minifit_jr

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Right Angle, with PCB Mounting Flanges, 16 Circuits, PA Polyamide Nylon 6/6, 94V-0, 1.27 µm (50µ") Tin (Sn) Plating

Documents:	
3D Model	Product Specification PS-5556-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
TUV	R72081037
UL	E29179
General	
Product Family	PCB Headers
Series	5569
Application	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 to 16 AWG wire. . See Molex Product specification PS-5556-001 for additional current de-rating information.
Overview	minifit_jr
Product Name	Mini-Fit Jr.™
Physical	
Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Circuits Detail	16
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	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	Nickel
Material - Resin	Nylon
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.142 In
PC Tail Length (mm)	3.60 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.070 In
PCB Thickness Recommended (mm)	1.78 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm
Pitch - Term. Interface (in)	0.165 In



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free Status

Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

5569Series

Mates With

5557 Mini-Fit Jr.™ Receptacle Housing

Pitch - Term. Interface (mm)	4.20 mm
Plating min: Mating (µin)	50
Plating min: Mating (µm)	1.27
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.54
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	13A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	240

Material Info

Old Part Number	5569-16A2MS-210
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Reference - Drawing Numbers

Packaging Specification	PK-5569-002
Product Specification	PS-5556-001
Sales Drawing	SD-5569-222
Test Summary	TS-5556-002

This document was generated on 05/21/2010

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ADD FLANGE MNT

EC NO: UCP2009-1190

DRWN:JKLOSTNER 2008/11/11

CHKD:JBELL 2008/11/13

APPR:FSMITH 2008/11/14

REV

A3

DESCRIPTION

QUALITY SYMBOLS

▼=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ± ---°		

DRAFT WHERE APPLICABLE

MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

IN/MM

DRAWN BY

AD RATNOL

DATE

2006/01/17

CHECKED BY

GPOLGAR

DATE

2006/01/17

APPROVED BY

JCOMERC I

DATE

2006/01/17

MATERIAL NO.

SEE CHART

DOCUMENT NO.

SD-5569-222

SHEET NO.

2 OF 4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

MINI-FIT JR. RIGHT ANGLE

HEADER ASSYS W/ MATTE SN

W/ MNTG PEGS OR FLANGES

MOLEX

MOLEX INCORPORATED

THIRD ANGLE PROJECTION

SCALE

1:1

DESIGN UNITS

METRIC

SEE SHEET 4 FOR FLANGE MOUNT

	12	11	10	9	8	7	6	5	4	3	2	1
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tb_frame_C_P_ME_T

Rev. D 2004/04/02

SEE SHEET 4 FOR FLANGE MOUNT