

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0874272492

Status:

Active

Overview:

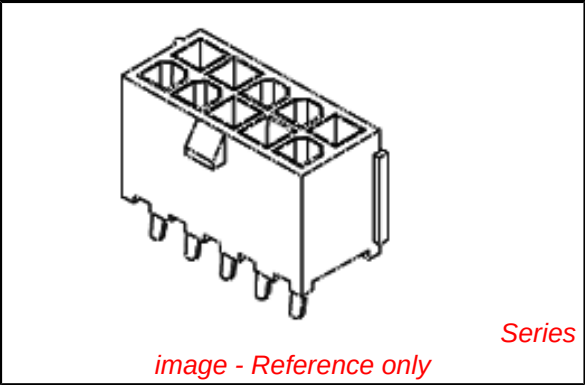
minifit_jr

Description:

4.20mm (.165") Mini-Fit Jr.™ Header, Vertical, Nylon, with Flange, 24 Circuits, Tin (Sn) over Nickel (Ni) Plating, Glow Wire Compatible

Documents:	
3D Model	Product Specification PS-87427-0001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	87427
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 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.
Overview	minifit_jr
Product Name	Mini-Fit Jr.™
Physical	
Breakaway	No
Circuits (Loaded)	24
Color - Resin	Beige
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm
Pitch - Term. Interface (in)	0.165 In
Pitch - Term. Interface (mm)	4.20 mm
Plating min: Mating (µin)	101.6
Plating min: Mating (µm)	2.54
Plating min: Termination (µin)	101.6
Plating min: Termination (µm)	2.54
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

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

87427Series

Mates With

5557 Mini-Fit Jr.™ Receptacle Housing

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)	30
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	240

Material Info

Reference - Drawing Numbers

Product Specification	PS-87427-0001
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This document was generated on 05/31/2010

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8

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6

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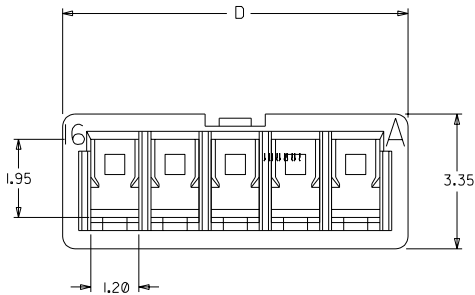
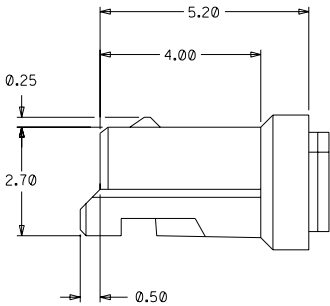
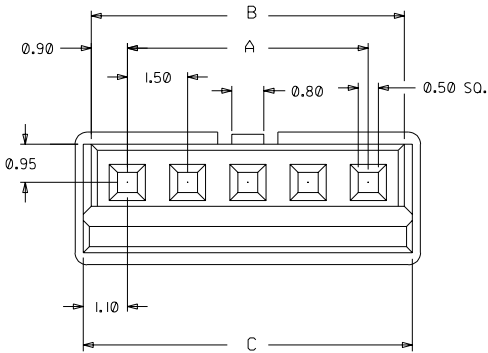
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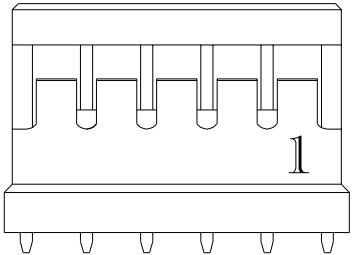
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PART NO.	NO. OF CKT'S	A	B	C	D
87439-0201	2	1.50	3.30	3.70	4.10
87439-0301	3	3.00	4.80	5.20	5.60
87439-0401	4	4.50	6.30	6.70	7.10
87439-0501	5	6.00	7.80	8.20	8.60
87439-0601	6	7.50	9.30	9.70	10.10
87439-0701	7	9.00	10.80	11.20	11.60
87439-0801	8	10.50	12.30	12.70	13.10
87439-0901	9	12.00	13.80	14.20	14.60
87439-1001	10	13.50	15.30	15.70	16.10
87439-1101	11	15.00	16.80	17.20	17.60
87439-1201	12	16.50	18.30	18.70	19.10
87439-1301	13	18.00	19.80	20.20	20.60
87439-1401	14	19.50	21.30	21.70	22.10
87439-1501	15	21.00	22.80	23.20	23.60



NOTE:
1. MATERIAL:
NYLON 66, 94V-0, COLOR: BLACK
2. HOUSING TO ACCEPT MOLEX P/N 87421-0000



REL PER PDR# S-000348-000-00 EC NO. S2003-0498 DRWN: KSEE CHK: KCLING APPR: SKTOH	A	REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE NTS	DESIGN UNITS	THIRD ANGLE PROJECTION	DIMENSIONS:		SHT	REV	
				MAJOR					☐ mm ☐ INCH	☒ mm ONLY				
				CRITICAL										
				4 PLACES	±0. -	±. -	DRAWN BY & DATE		TITLE:					
				3 PLACES	±0. -	±. -	KSEE 030415		1.50 mm PITCH, HOUSING, RECEPTACLE					
				2 PLACES	±0.20	±. -	CHECKED BY & DATE		MOLEX INCORPORATED					
				1 PLACE	±0. -	±. -	KCLING 030526							
				ANGULAR: ± 3 °			APPROVED BY & DATE							
							SKTOH 030526							
							CAD FILENAME		MATERIAL NO.		DRAWING NO.		SHEET NO.	
							-		SEE TABLE		SD-87439-001		1 OF 1	
							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.			SIZE A3				