

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0050361744](#)  
**Status:** **Active**  
**Overview:** [minifit\\_jr](#)  
**Description:** 4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Right Angle, with PCB Mounting Pegs, 8 Circuits, PA Polyamide Nylon 6/6, 94V-0, Bright Tin (Sn) over Nickel (Ni) Plating, Glow Wire Compatible

**Documents:**

[3D Model](#) [Product Specification PS-5556-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

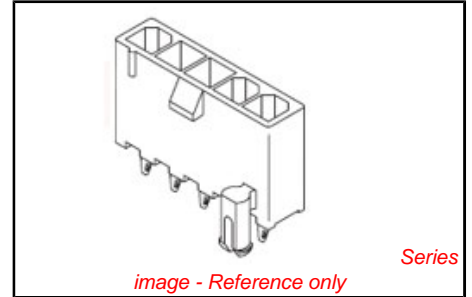
CSA LR19980  
TUV R72081037  
UL E29179

**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) 8  
Circuits (maximum) 8  
Circuits Detail 8  
Color - Resin Black  
Durability (mating cycles max) 30  
First Mate / Last Break No  
Flammability 94V-0  
Glow-Wire Compliant Yes  
Guide to Mating Part No  
Keying to Mating Part None  
Lock to Mating Part Yes  
Material - Metal Brass  
Material - Plating Mating Nickel  
Material - Plating Termination Tin  
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



**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](mailto: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](#)

Pitch - Term. Interface (in)	0.165 In
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	235

#### Material Info

Old Part Number	5569-08A2S-225
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#### Reference - Drawing Numbers

Packaging Specification	PK-5569-002
Product Specification	PS-5556-001
Sales Drawing	SD-5569-NA2*-225
Test Summary	TS-5556-002

This document was generated on 05/21/2010

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CIRCUIT SIZE	DIM. "A"	DIM. "B"
6	.54 (13.8)	.33 (8.4)
8	.71 (18.0)	.50 (12.6)
10	.87 (22.2)	.66 (16.8)
12	1.04 (26.4)	.83 (21.0)
14	1.20 (30.6)	.99 (25.2)
16	1.37 (34.8)	1.16 (29.4)
18	1.54 (39.0)	1.32 (33.6)
20	1.70 (43.2)	1.49 (37.8)
22	1.87 (47.4)	1.65 (42.0)
24	2.03 (51.6)	1.82 (46.2)

**LEGEND:**

5569 - N A \* \* \* \* \*

BASE NUMBER

CIRCUIT SIZE

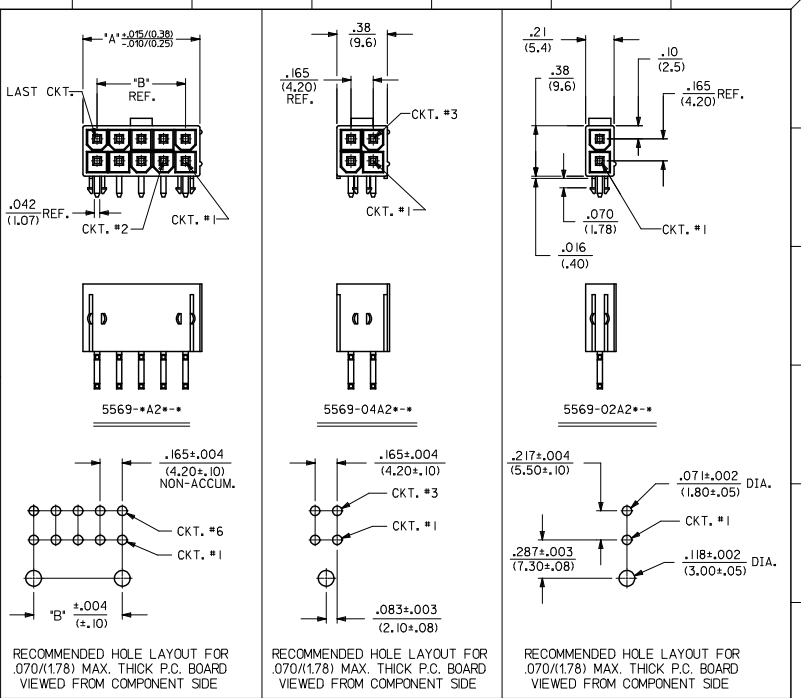
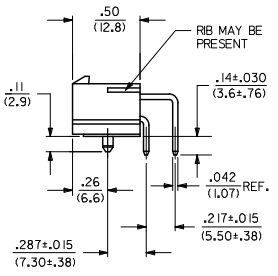
ASSEMBLY

MOUNTING OPTION  
(SEE NOTE 6.)

PLATING  
(SEE NOTE 2.)

HOUSING MAT'L.  
(SEE NOTE 1.)

PACKAGING  
(SEE NOTE 4.)



- NOTES:**
- MATERIAL: HOUSING: \*225\* = UNFILLED NYLON 6, UL94V-0, IEC 60335-1, 4TH EDITION GLOW WIRE CAPABLE, COLOR - BLACK.
  - FINISH (PLATING): TERMINAL: BRASS ALLOY
  - PRODUCT SPECIFICATION: PS-5556-001
  - PACKAGING: \*BLANK\* = BULK PACKED PER PK-5569-002 \*T\* = TRAY PACKED PER PK-5569-003
  - PART MATES WITH MINI-FIT JR. RECEPTACLE SERIES 5557.
  - MOUNTING OPTIONS: 2 = PEG MOUNT
  - DISCOLORATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.
  - PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
  - CONNECTORS ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.
  - PARTS ARE NOT DESIGNED FOR CURRENT SHARING.

RELEASE 50362375 EC NO. UCP2009-1466 DRAWN: JKLUSTMEIER 2008/07/23 CHKD: JRELL 2008/07/23 APPR: FSMITH 2009/01/05	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
A5		4 PLACES ±.10 ±.10 3 PLACES ±.10 ±.10 2 PLACES ±.25 ±.015 1 PLACE ±.38 ±.10	mm INCH	DRAWN BY GAVERRILL DATE 2008/07/23 CHECKED BY DATE APPROVED BY FSMITH DATE 2008/07/23	TITLE MINI-FIT JR RIGHT ANGLE HEADER ASSEMBLIES WITH MOUNTING PEGS	
		ANGULAR ±1/2°		MATERIAL NO. DOCUMENT NO. SD-5569-NA2*-225		SHEET NO. 1 OF 2
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

J  
I  
H  
G  
F  
E  
D  
C  
B  
A

13	12	11	10	9	8	7	6	5	4	3	2	1
TOOLED	PART NO.	ENG. NO.	CKT. SIZE	MOUNTING OPTION	PLATING (SEE NOTE 2)	HOUSING MATERIAL (SEE NOTE 1)	PACKAGING					
YES	50-36-2375	5569-02A2S-225	2	PEGS	TIN/NICKEL	94V-0	BULK PACKAGED PER PK-5569-002					
YES	50-36-2306	5569-04A2S-225	4	PEGS	TIN/NICKEL	94V-0						
YES	50-36-2377	5569-06A2S-225	6	PEGS	TIN/NICKEL	94V-0						
YES	50-36-1744	5569-08A2S-225	8	PEGS	TIN/NICKEL	94V-0						
NO	50-36-2294	5569-10A2S-225	10	PEGS	TIN/NICKEL	94V-0						
YES	50-36-2317	5569-12A2S-225	12	PEGS	TIN/NICKEL	94V-0						
	50-36-2298	5569-14A2S-225	14	PEGS	TIN/NICKEL	94V-0						
NO	NOT ASSIGNED	5569-16A2S-225	16	PEGS	TIN/NICKEL	94V-0						
	NOT ASSIGNED	5569-18A2S-225	18	PEGS	TIN/NICKEL	94V-0						
	NOT ASSIGNED	5569-20A2S-225	20	PEGS	TIN/NICKEL	94V-0						
	NOT ASSIGNED	5569-22A2S-225	22	PEGS	TIN/NICKEL	94V-0						
	NOT ASSIGNED	5569-24A2S-225	24	PEGS	TIN/NICKEL	94V-0						

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	▽=0 ▽=0	<table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±.005</td> <td>±.0005</td> </tr> <tr> <td>3 PLACES</td> <td>±.008</td> <td>±.0008</td> </tr> <tr> <td>2 PLACES</td> <td>±.015</td> <td>±.0015</td> </tr> <tr> <td>1 PLACE</td> <td>±.030</td> <td>±.0030</td> </tr> </table>		mm	INCH	4 PLACES	±.005	±.0005	3 PLACES	±.008	±.0008	2 PLACES	±.015	±.0015	1 PLACE	±.030	±.0030	IN/MM	1:1	METRIC	
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REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	MATERIAL NO. SD-5569-NA2*-225 DOCUMENT NO.		SHEET NO. 2 OF 2															