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Part Number: [0050361809](#)
Status: **Active**
Overview: [minifit_jr](#)
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Single Row, Vertical, with Snap-in Plastic Peg PCB lock, without Drain Holes, 3 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, 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

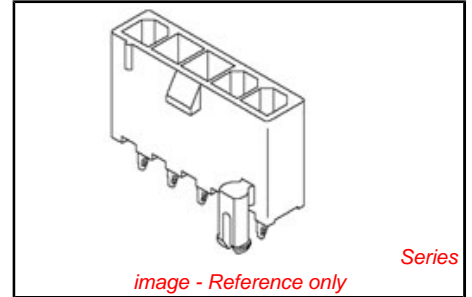
CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	PCB Headers
Series	5566
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-45750-001 for additional current de-rating information.. High Temperature, Square Pin, Solder Type
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
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	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.138 In
PC Tail Length (mm)	3.50 mm
PCB Locator	Yes
PCB Retention	Yes
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



EU RoHS ELV and RoHS Compliant REACH SVHC Contains SVHC: No Halogen-Free Status Not Reviewed	China RoHS
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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
5566Series

Mates With
5557 Mini-Fit Jr.™ Receptacle Housing

Pitch - Term. Interface (in)	0.165 In
Pitch - Term. Interface (mm)	4.20 mm
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.54
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
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	230

Material Info

Old Part Number	5566-03A3S-225
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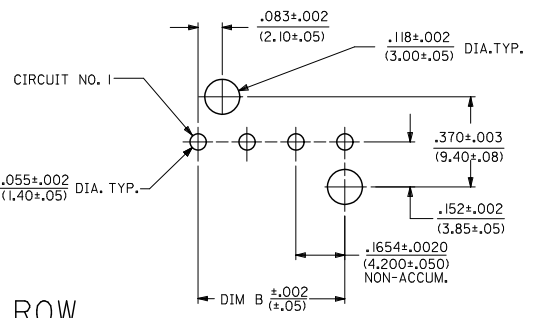
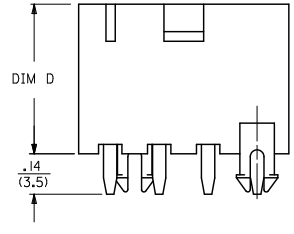
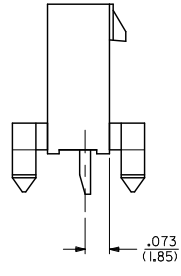
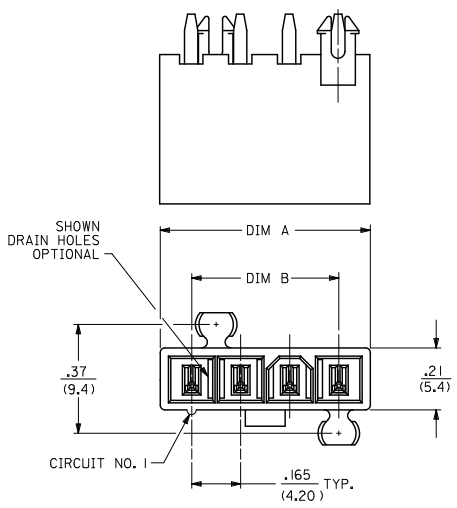
Reference - Drawing Numbers

Packaging Specification	PK-5566-002
Product Specification	PS-5556-001
Sales Drawing	SD-5566-225
Test Summary	TS-5556-002

This document was generated on 05/21/2010

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CKT SIZE	DIM A	DIM B	DIM D
3	.54 (13.8)	.331 (8.40)	.49 (12.5)
4	.71 (18.0)	.496 (12.60)	.50 (12.8)
5	.87 (22.2)	.661 (16.80)	.50 (12.8)



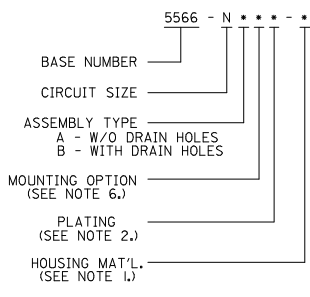
RECOMMENDED HOLE LAYOUT FOR
.070/(1.78) MAX. THICK P. C. BOARD
VIEWED FROM COMPONENT SIDE

4	A2
3	A2
2	A
1	A2
SHT REV	

SEE SHT. 2 FOR DUAL ROW
• THE CHART FOR SINGLE ROW PRODUCT IS ON PAGE 3

- NOTES:
- MATERIALS:
HOUSING:
*225"-NYLON (PA6), UL94 V-0, COLOR: BLACK, IEC 60335-1,
4th EDITION GLOW WIRE CAPABLE
*225N"-NYLON (PA6), UL94V-0, COLOR: WHITE, IEC 60335-1,
4th EDITION GLOW WIRE CAPABLE
TERMINALS:
BRASS
2. TERMINAL PLATING:
*S"=.000100/(0.00254) MIN. BRIGHT TIN OVER
.000050/(0.00127) MIN. NICKEL
3. PRODUCT SPECIFICATION: PS-5556-001
4. PACKAGING: SEE CHARTS
5. PART MATES WITH MINI-FIT JR. RECEPTACLE NO. 5557.
6. MOUNTING OPTIONS:
BLANK-DUAL ROW WITHOUT PEGS
2-DUAL ROW WITH MOUNTING PEGS
3-SINGLE ROW WITH MOUNTING PEGS
7. PART IS NOT DESIGNED FOR CURRENT SHARING.
8. PARTS ARE NOT DESIGNED TO BE MATED OR UN-MATED
WHILE CIRCUITS ARE LIVE.
9. LOCATION OF .118±.002/(3.00±.05) DIAMETER HOLES ON
P.C. BOARD IS FOR OPTIONAL PEGS.
10. ANTI-SHINGLING RIB MAY OR MAY NOT APPEAR ON
HOUSINGS.
11. PART CONFORMS TO CLASS "B" REQUIREMENTS OF
COSMETIC SPECIFICATION PS-45499-002 WITH THE
EXCEPTION OF DISCOLORATION, FLASH AND SINK ON
THE HOUSING MEET CLASS "C" REQUIREMENTS.

LEGEND:



ADD PART NUMBERS IEC NO. UCP2009-1099 2009/02/12 DRAWN: BRENNES 2008/01/24 CHKD: BELL 2010/04/09 APPR: SMITH	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
				IN/MM		1:1	METRIC				
		4 PLACES ±.005 ±.005 3 PLACES ±.015 ±.015 2 PLACES ±.038 ±.020 1 PLACE ±.050 ±.050		DRAWN BY LSCHMIDT DATE 2008/01/22 CHECKED BY ADERR DATE 2008/01/24 APPROVED BY FSMITH DATE 2010/04/09		TITLE MINI-FIT VERT HDR ASSY W & W/O PEGS/DRAIN HOLES SINGLE AND DUAL ROW		MOLEX INCORPORATED		SHEET NO. 1 OF 4	
		ANGULAR ±1/2°		MATERIAL NO.		DOCUMENT NO. SD-5566-225		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

