

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0050361819

Status:

Active

Overview:

[minifit_jr](#)

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, with Snap-in Plastic Peg PCB lock, without Drain Holes, 5 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) Over Nickel (Ni) Plating, Glow Wire Compatible

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-5556-001 \(PDF\)](#)

[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)	5
Circuits (maximum)	5
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	2
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

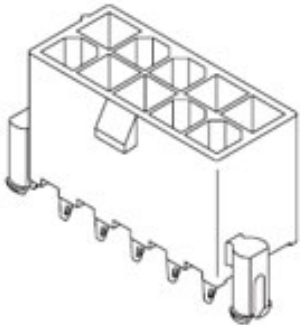


image - Reference only

Series

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
[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	5566-05A3S-225
-----------------	----------------

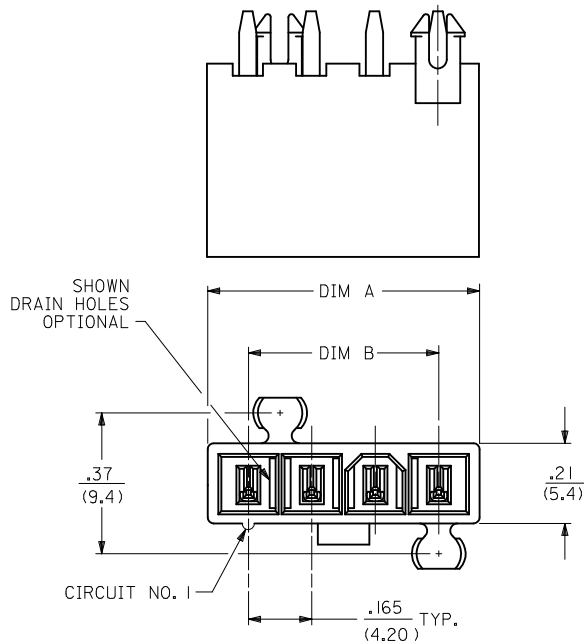
Reference - Drawing Numbers

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

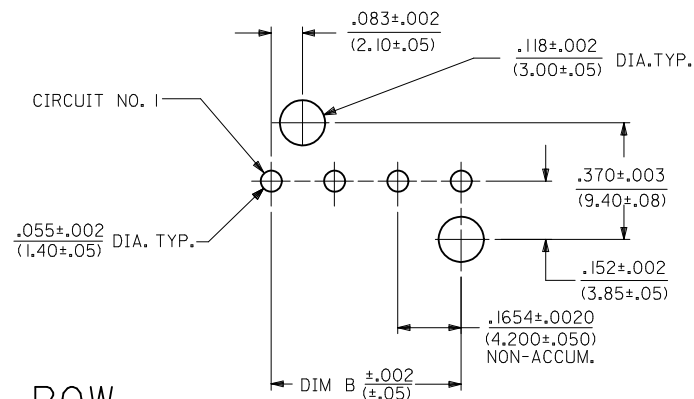
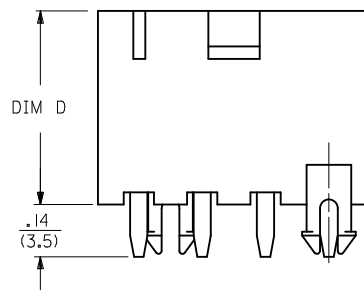
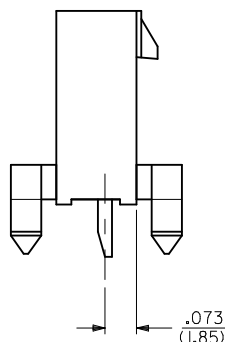
This document was generated on 05/21/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

	13	12	11	10	9	8	7	6	5	4	3	2	1
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)										



- 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±0.05) 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.'



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

LEGEND:

BASE NUMBER	5566 - N
CIRCUIT SIZE	*
ASSEMBLY TYPE	*
A - W/O DRAIN HOLES	*
B - WITH DRAIN HOLES	*
MOUNTING OPTION (SEE NOTE 6.)	*
PLATING (SEE NOTE 2.)	*
HOUSING MAT'L. (SEE NOTE 1.)	*

ADD PART NUMBERS EC NO: UCP2009-1099 DRAWN: TBENES 2009/02/12 CHKD: J.BELL 2008/01/24 APPR: FSMITH 2010/04/09 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	1	
						DRAWN BY DATE LSCHMIDT 2008/01/22		TITLE MINI-FIT VERT HDR ASSY W & W/O PEGS/DRAIN HOLES SINGLE AND DUAL ROW MOLEX INCORPORATED SD-5566-225				
						CHECKED BY DATE ADERR 2008/01/24						
						APPROVED BY DATE FSMITH 2010/04/09						
						MATERIAL NO.						DOCUMENT NO.
A2	REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHARTS			1 OF 4			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												

	13	12	11	10	9	8	7	6	5	4	3	2	1																														
J	PLATING:		100 M.I. TIN - PLATING CODE "S"		PLATING:		100 M.I. TIN - PLATING CODE "S"		PLATING:		PLATING:																																
	DRAIN HOLES:		WITHOUT DRAIN HOLES		DRAIN HOLES:		WITH DRAIN HOLES		DRAIN HOLES:		DRAIN HOLES:																																
	MTG. OPTION:		WITH PEGS		MTG. OPTION:		WITH PEGS		MTG. OPTION:		MTG. OPTION:																																
	PACKAGING:		TRAY PACK PER PK-5566-002		PACKAGING:		TRAY PACK PER PK-5566-002		PACKAGING:		PACKAGING:																																
I	PART NO.	ENG. NO.	CKTS		PART NO.	ENG. NO.	CKTS		PART NO.	ENG. NO.	CKTS		PART NO.	ENG. SD.	CKTS																												
	50-36-1809	5566-03A3S-225	3		NOT TOOLED	5566-03B3S-225	3				3				3																												
	50-36-2367	5566-04A3S-225	4		50-36-1829	5566-04B3S-225	4				4				4																												
	50-36-1819	5566-05A3S-225	5		NOT TOOLED	5566-05B3S-225	5				5				5																												
H																																											
G																																											
F																																											
E																																											
D																																											
C																																											
B																																											
A																																											
SEE SHEET 1 EC NO: UCP2009-1099 DRWN:TBENES CHKD:JBELL APPR:FSMITH 2009/02/10 2001/01/24 2010/04/09 QUALITY SYMBOLS ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED)<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± .---</td><td>± .---</td></tr><tr><td>3 PLACES</td><td>± .---</td><td>± .---</td></tr><tr><td>2 PLACES</td><td>± .---</td><td>± .---</td></tr><tr><td>1 PLACE</td><td>± .---</td><td>± .---</td></tr></table> ANGULAR ± ---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE IN/MM <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>LSCHMIDT</td><td>2008/01/22</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>ADERR</td><td>2001/01/24</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>FSMITH</td><td>2010/04/09</td></tr></table> MATERIAL NO. SEE CHART SIZE C SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE MINI-FIT VERT HDR ASSY W & W/O PEGS/DRAIN HOLES SINGLE AND DUAL ROW MOLEX INCORPORATED DOCUMENT NO. SD-5566-225 SHEET NO. 3 OF 4																		mm	INCH	4 PLACES	± .---	± .---	3 PLACES	± .---	± .---	2 PLACES	± .---	± .---	1 PLACE	± .---	± .---	DRAWN BY	DATE	LSCHMIDT	2008/01/22	CHECKED BY	DATE	ADERR	2001/01/24	APPROVED BY	DATE	FSMITH	2010/04/09
	mm	INCH																																									
4 PLACES	± .---	± .---																																									
3 PLACES	± .---	± .---																																									
2 PLACES	± .---	± .---																																									
1 PLACE	± .---	± .---																																									
DRAWN BY	DATE																																										
LSCHMIDT	2008/01/22																																										
CHECKED BY	DATE																																										
ADERR	2001/01/24																																										
APPROVED BY	DATE																																										
FSMITH	2010/04/09																																										
	12	11	10	9	8	7	6	5	4	3	2	1																															