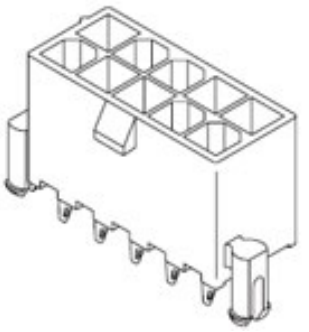
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This document was generated on 05/21/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0050361697
Status: Active
Overview: minifit_jr
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, without Drain Holes, 6 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) Over Nickel (Ni) Plating, Glow Wire Compatible

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (PDF)



Series image - Reference only

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 Crimpted 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)	6
Circuits (maximum)	6
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

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

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

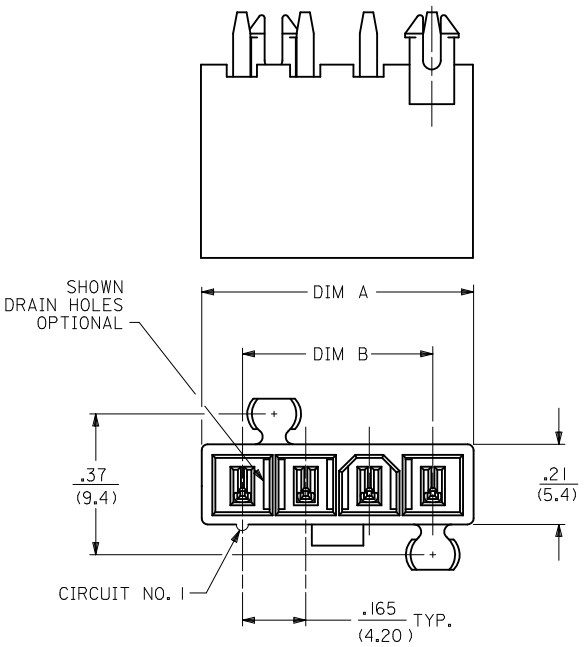
Material Info

Old Part Number	5566-06AS-225

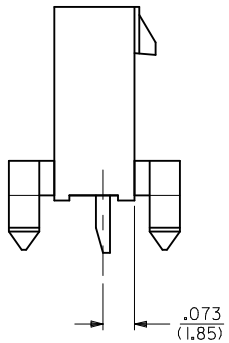
Reference - Drawing Numbers

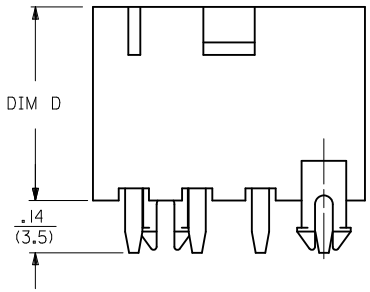
Packaging Specification	PK-5566-001
Sales Drawing	SD-5566-225

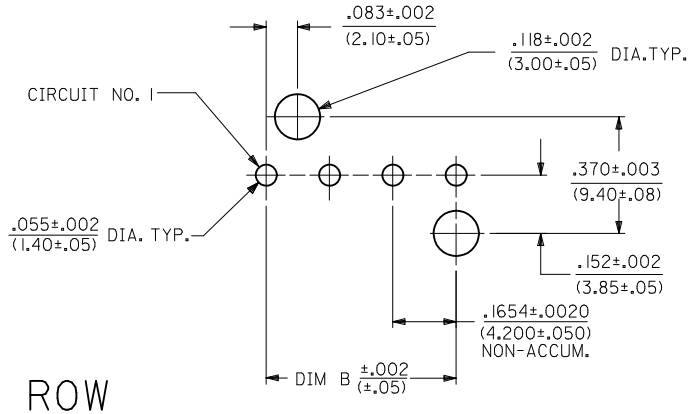
CKT SIZE	DIM A	DIM B	DIM D
3	.54 (13.8)	.331 (8.40)	.49 (12.5)
4	.71 (18.0)	.496 (12.60)	.50 (12.8)
5	.87 (22.2)	.661 (16.80)	.50 (12.8)



NOTES:
1. 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.'







LEGEND:

5566 - N * * * * - *

- BASE NUMBER
- 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.)

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

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

ADD PART NUMBERS
EC NO: UCP2009-1099 2009/02/12
DRWN: TRBENES 2008/01/24
CH'KD: JBELL 2010/04/09
APPR: FSMITH
DESCRIPTION
A2
REV

QUALITY SYMBOLS
▼=0
▽(C)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .015
2 PLACES	± 0.38	± .020
1 PLACE	± 0.50	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

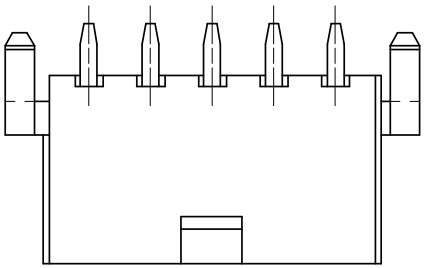
DRAWN BY	LSCHMIDT	DATE 2008/01/22
CHECKED BY	ADERR	DATE 2008/01/24
APPROVED BY	FSMITH	DATE 2010/04/09

TITLE: MINI-FIT VERT HDR ASSY W & W/O PEGS/DRAIN HOLES SINGLE AND DUAL ROW

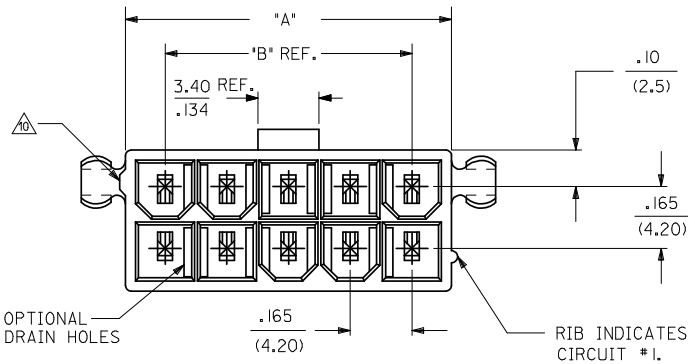
molex MOLEX INCORPORATED

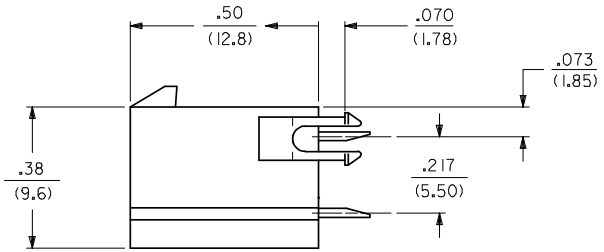
MATERIAL NO.: SEE CHARTS
DOCUMENT NO.: SD-5566-225
SHEET NO.: 1 OF 4
SIZE: C

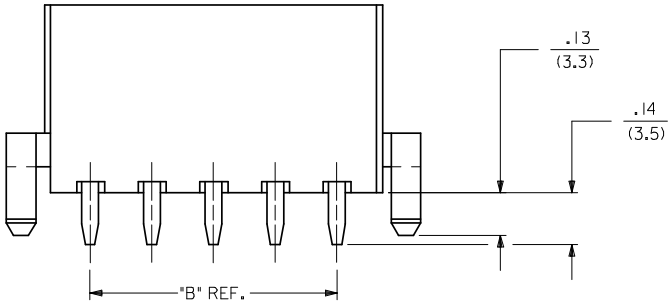
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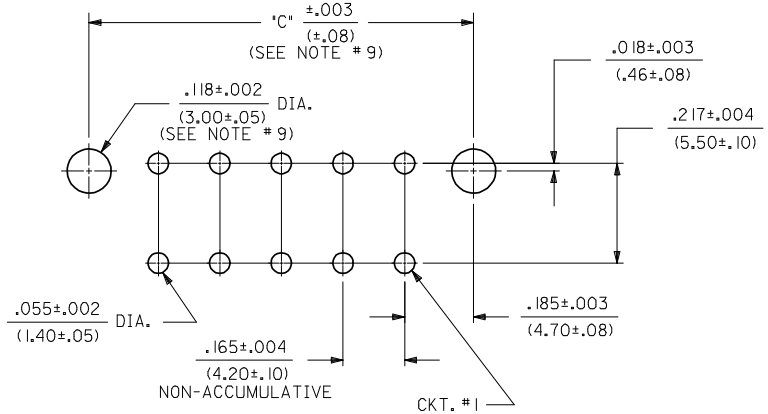


CIRCUIT SIZE	DIM. "A"	DIM. "B"	DIM. "C"
2	.21 (5.4)	—	.370 (9.40)
4	.38 (9.6)	.17 (4.2)	.535 (13.60)
6	.54 (13.8)	.33 (8.4)	.701 (17.80)
8	.71 (18.0)	.50 (12.6)	.866 (22.00)
10	.87 (22.2)	.66 (16.8)	1.031 (26.20)
12	1.04 (26.4)	.83 (21.0)	1.197 (30.40)
14	1.20 (30.6)	.99 (25.2)	1.362 (34.60)
16	1.37 (34.8)	1.16 (29.4)	1.528 (38.80)
18	1.54 (39.0)	1.32 (33.6)	1.693 (43.00)
20	1.70 (43.2)	1.49 (37.8)	1.858 (47.20)
22	1.87 (47.4)	1.65 (42.0)	2.024 (51.40)
24	2.03 (51.6)	1.82 (46.2)	2.189 (55.60)









RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P. C. BOARD

VIEWED FROM COMPONENT SIDE

SEE SHT. 1 FOR SINGLE ROW

* THE CHART FOR DUAL ROW PRODUCT IS ON PAGE 4

RELEASED
EC NO: UCP2007-3159 2008/02/08
DRWN:LSCHMIDT 2008/02/08
CH'KD:ADERR 2008/02/12
APPR:FSMITH
DESCRIPTION
REV A

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .015
2 PLACES	± 0.38	± .020
1 PLACE	± 0.50	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: LSCHMIDT DATE: 2008/01/22
CHECKED BY: ADERR DATE: 2008/01/24
APPROVED BY: FSMITHROEMER DATE: 2008/01/25

TITLE: MINI-FIT VERT HDR ASSY W & W/O PEGS/DRAIN HOLES SINGLE AND DUAL ROW

MOLEX INCORPORATED

MATERIAL NO.: SEE CHARTS
DOCUMENT NO.: SD-5566-225
SHEET NO.: 2 OF 4
SIZE: C

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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:	WITHOUT DRAIN HOLES			DRAIN HOLES:				DRAIN HOLES:							
MTG. OPTION:	WITHOUT PEGS			MTG. OPTION:	WITH PEGS			MTG. OPTION:				MTG. OPTION:							
PACKAGING:	TRAY PACK PER PK-5566-001			PACKAGING:	TRAY PACK PER PK-5566-001			PACKAGING:				PACKAGING:							
COLOR:	BLACK			COLOR:	BLACK			COLOR:				COLOR:							
PART NO.	ENG. NO.	CKTS		PART NO.	ENG. NO.	CKTS		PART NO.	ENG. NO.	CKTS		PART NO.	ENG. NO.	CKTS					
50-36-1882	5566-02AS-225	2		50-36-1699	5566-02A2S-225	2				2				2					
50-36-1884	5566-04AS-225	4		50-36-1702	5566-04A2S-225	4				4				4					
50-36-1697	5566-06AS-225	6		50-36-1704	5566-06A2S-225	6				6				6					
50-36-1683	5566-08AS-225	8		50-36-1706	5566-08A2S-225	8				8				8					
50-36-1741	5566-10AS-225	10		50-36-1708	5566-10A2S-225	10				10				10					
50-36-1886	5566-12AS-225	12		50-36-1711	5566-12A2S-225	12				12				12					
50-36-1888	5566-14AS-225	14		NOT TOOLED	5566-14A2S-225	14				14				14					
50-36-1891	5566-16AS-225	16		NOT TOOLED	5566-16A2S-225	16				16				16					
NOT TOOLED	5566-18AS-225	18		NOT TOOLED	5566-18A2S-225	18				18				18					
NOT TOOLED	5566-20AS-225	20		NOT TOOLED	5566-20A2S-225	20				20				20					
NOT TOOLED	5566-22AS-225	22		NOT TOOLED	5566-22A2S-225	22				22				22					
NOT TOOLED	5566-24AS-225	24		NOT TOOLED	5566-24A2S-225	24				24				24					
	-				-														
	-				-														

PLATING:	100 M.I. TIN - PLATING CODE "S"		
DRAIN HOLES:	WITHOUT DRAIN HOLES		
MTG. OPTION:	WITH PEGS		
PACKAGING:	TRAY PACK PER PK-5566-001		
COLOR:	WHITE		
PART NO.	ENG. NO.	CKTS	
		2	
50-36-2304	5566-04A2S-225N	4	
		6	
		8	
		10	
		12	
		14	
		16	
		18	
		20	
		22	
		24	

SEE SHEET 1
EC NO: UCP2009-1099 2009/02/12
DRWN: TRBENES 2001/01/24
CHKD: JBELL
APPR: FSMITH 2010/04/09
DESCRIPTION
A2
REV

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
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	LSCHMIDT	DATE 2008/01/22
CHECKED BY	ADERR	DATE 2001/01/24
APPROVED BY	FSMITH	DATE 2010/04/09

TITLE: MINI-FIT VERT HDR ASSY W & W/O PEGS/DRAIN HOLES SINGLE AND DUAL ROW

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MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-5566-225
SHEET NO.: 4 OF 4
SIZE: C

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