

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039299045

Status:

Active

Overview:

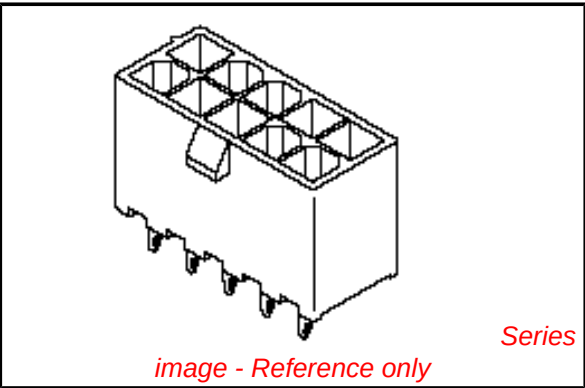
[minifit_jr](#)

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 4 Circuits, PA Polyamide Nylon 6/6 94V-2, 0.76µm (30µ") Gold (Au) Selective Plating, without Drain Holes

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)	4
Circuits (maximum)	4
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
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

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)	30.4
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	101.6
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	240

Material Info

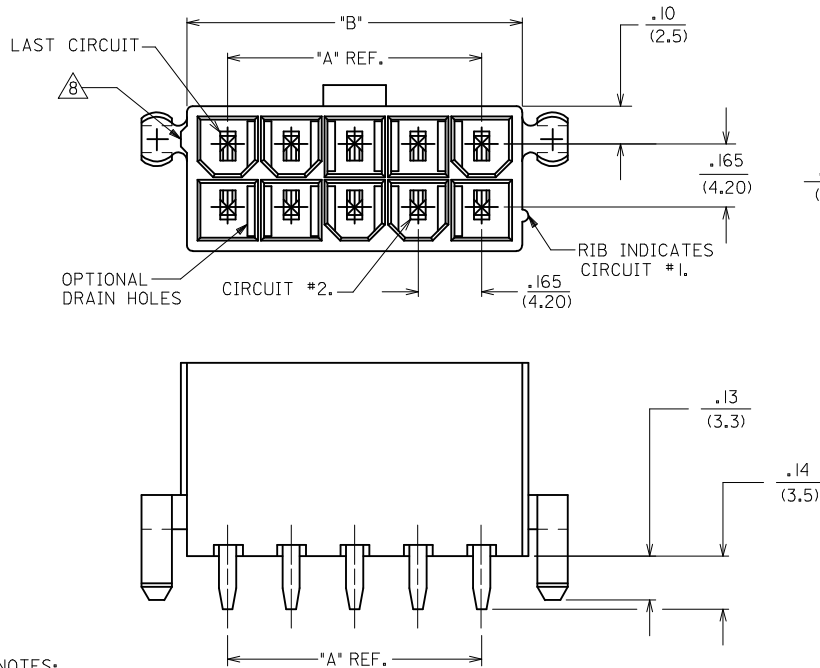
Old Part Number	5566-04A2GS
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Reference - Drawing Numbers

Packaging Specification	PK-5566-001
Product Specification	PS-5556-001
Sales Drawing	SDA-5566-N*2*-*
Test Summary	TS-5556-002

This document was generated on 05/21/2010

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NOTES:

1) HOUSING MATERIAL:

"BLANK" - NYLON 6/6, U.L. 94V-2,
COLOR: NATURAL.

210 - NYLON 6/6, U.L. 94V-0,
COLOR: NATURAL.

BL - NYLON 6/6, U.L. 94V-2,
COLOR: DYED BLACK.

2) TERMINAL MATERIAL: BRASS ALLOY 260

3) PART MATES WITH MINI-FIT JR. RECEPTACLE #5557.

4) PACKAGING: SEE CHARTS

5) MOUNTING OPTIONS:

"BLANK" - NO MOUNTING
(SEE SD-5566-NA AND -NB SERIES DWGS.)
2 - PEG MOUNT

6) TERMINAL PLATING:

"BLANK" - .000035/(.00090) MIN. TIN OVER
.000020/(.00050) MIN. COPPER.
*GS - .000030/(.00076) MIN. SELECT GOLD
.000100/(.00254) MIN. SELECT MATTE TIN
OVER .000050/(.00127) MIN. NICKEL OVERALL.
*GS2 - .000015/(.00038) MIN. SELECT GOLD AND
.000100/(.00254) MIN. SELECT MATTE TIN
OVER .000050/(.00127) MIN. NICKEL OVERALL.
S - .000100/(.00254) MIN. TIN
OVER .000050/(.00127) MIN. NICKEL.

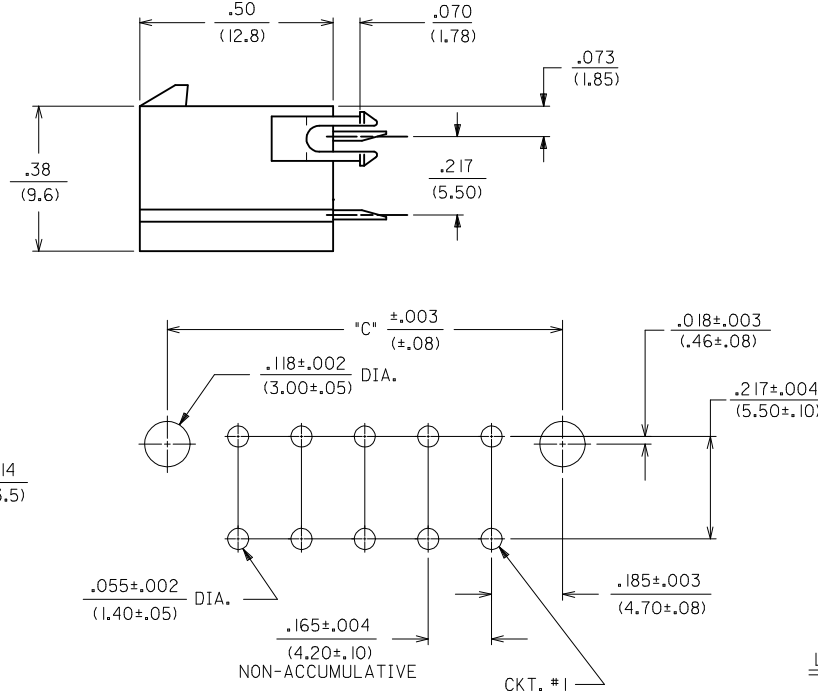
*THE PRIMARY SHIPPING CARTON WILL BE LABELED "COMPLIANT TO RoHS
DIRECTIVE 2002/95/EC AND ELV ANNEX II OF DIRECTIVE 2000/53/EC."
*CARTONS WITHOUT THIS LABEL MAY CONTAIN PRODUCT WITH TIN-LEAD PLATING.

7) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: SEE PS-5556-001

8) ANTI-SHINGLING RIB MAY OR MAY NOT APPEAR ON HOUSINGS.

9) CONNECTORS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.

10) PARTS ARE NOT DESIGNED FOR CURRENT SHARING.



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

VIEWED FROM COMPONENT SIDE

LEGEND:

5566 - N * * * * *

BASE NUMBER

CIRCUIT SIZE

ASSEMBLY TYPE
A - W/O DRAIN HOLES
B - WITH DRAIN HOLES

MOUNTING OPTION
(SEE NOTE 5.)

PLATING
(SEE NOTE 6.)

HOUSING MAT'L.
(SEE NOTE 1.)

PACKAGING
BLANK = TRAY
I = TUBE

4	R2
3	R2
2	R2
1	R2
SHT.	REV.

REVISED NOTES 8 EC NO: UCP2009-1336 DRAWN: KLOSTERMEIER 2008/11/24 CHKD: JEBELL 2008/11/24 APPR: F. SMITH 2008/11/24 R2	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY RJF	DATE 8/19/87	TITLE MINI-FIT JR. VERTICAL HEADER ASSEMBLIES WITH MOUNTING PEGS  MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY GT	DATE 8/19/87			
			3 PLACES	± ---	± .015					
			2 PLACES	± 0.38	± .015					
			1 PLACE	± 0.38	± ---					
			ANGULAR ±1/2°			APPROVED BY RAS	DATE 8/19/87			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE SHTS 2-4		DOCUMENT NO. SDA-5566-N*2*-*		SHEET NO. 1 OF 4
						SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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