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Part Number: [0050304467](#)
Status: **Active**
Overview: [minifit_jr](#)
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Single Row, Vertical, with Snap-in Plastic Peg PCB Lock, 5 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) Over Nickel (Ni) Plating

Documents:

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

Agency Certification

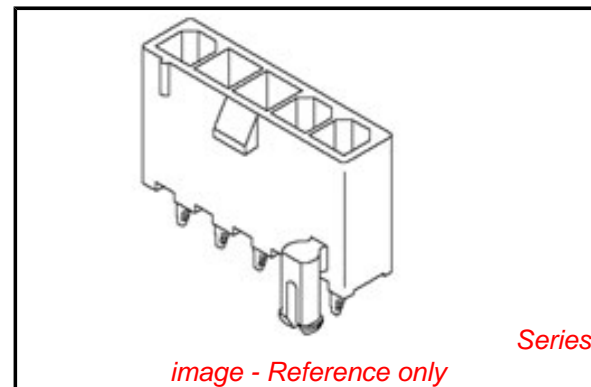
CSA	LR19980
TUV	R72081037
UL	E29179

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)	5
Circuits (maximum)	5
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
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	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
 Not Reviewed
Halogen-Free Status

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	235

Material Info

Old Part Number	5566-05B3S-210
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Reference - Drawing Numbers

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

This document was generated on 05/21/2010

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NOTES:

1. MATERIALS:

HOUSING:

BLANK=NYLON 6/6, UL94 V-2, COLOR: NATURAL

210=NYLON 6/6, UL94 V-0, COLOR: NATURAL

BL=NYLON 6/6, UL94 V-2, COLOR: BLACK

TERMINALS:

BRASS

2. TERMINAL PLATING:

BLANK=.000035/(0.00090) MIN. BRIGHT TIN OVER

.000020/(0.00050) MIN. COPPER

*GS2=.000015/(0.00038) MIN. SELECT GOLD AND

.000100/(0.00254) MIN. SELECT MATTE TIN

OVER .000050/(0.00127) MIN. NICKEL OVERALL

*GS=.000030/(0.00076) MIN. SELECT GOLD AND

.000100/(0.00254) MIN. SELECT MATTE TIN

OVER .000050/(0.00127) MIN. NICKEL OVERALL

S=.000100/(0.00254) MIN. BRIGHT TIN OVER

.000050/(0.00127) MIN. NICKEL

*THE PRIMARY SHIPPING CARTON WILL BE LABELED

"ELV AND RoHS COMPLIANT", CARTONS WITHOUT

THIS LABEL MAY CONTAIN PRODUCT WITH

TIN-LEAD PLATING.

3. PRODUCT SPECIFICATION: PS-5556-001

4. PACKAGING: TRAY PACKED PER PK-5566-002

5. PART MATES WITH MINI-FIT JR. RECEPTACLE NO. 5557.

6. PART IS NOT DESIGNED FOR CURRENT SHARING.

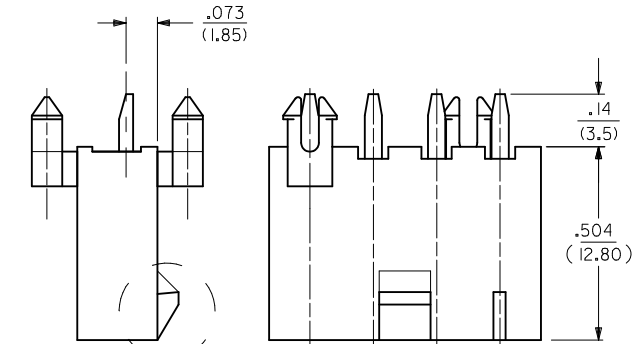
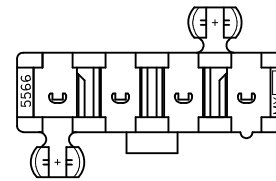
7. PARTS ARE NOT TO BE MATED OR UN-MATED WHILE

CIRCUITS ARE LIVE.

8. PART CONFORMS TO CLASS "B" REQUIREMENTS OF

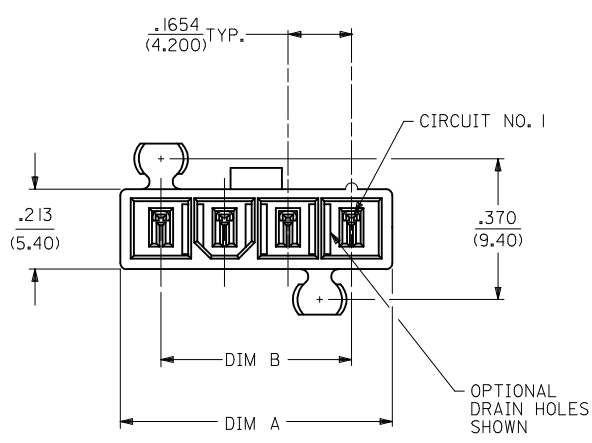
COSMETIC SPECIFICATION PS-45499-002.

CKT SIZE	DIM A	DIM B
4	.709 (18.00)	.496 (12.60)
5	.874 (22.20)	.661 (16.80)
6	1.039 (26.40)	.827 (21.00)
7	1.205 (30.60)	.992 (25.20)
8	1.370 (34.80)	1.157 (29.40)
9	1.535 (39.00)	1.323 (33.60)
10	1.701 (43.20)	1.488 (37.80)
11	1.866 (47.40)	1.654 (42.00)
12	2.031 (51.60)	1.819 (46.20)



LOCK OPTION

POSITIVE LOCK PASSIVE LOCK



LEGEND:

5566 - N * * * * *

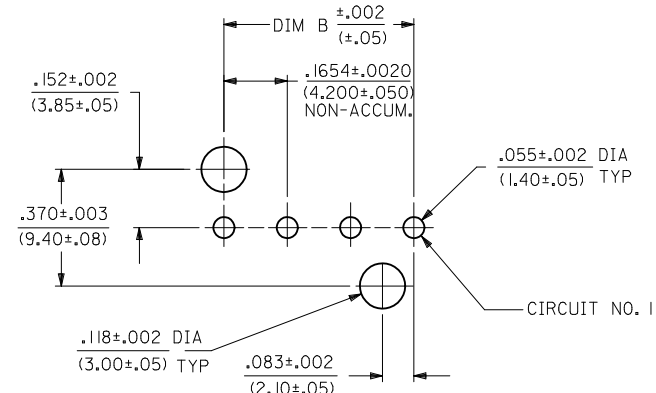
CIRCUIT SIZE (04-12)

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

PEG AND LOCK OPTION
3=MTG. PEGS, POSITIVE LOCK
4=MTG. PEGS, PASSIVE LOCK

PLATING (SEE NOTE 2)

HOUSING MAT'L (SEE NOTE 1)



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

ADD PART #S EC NO: UCP2010-1922 DRWN:TBENES 2009/02/10 CHKD:JBELL 2010/02/12 APPR:FSMITH 2010/02/15	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .015 2 PLACES ± 0.38 ± --- 1 PLACE ± --- ± --- ANGULAR ± 1/2°	DRAWN BY DATE KSS 1989/02/19 CHECKED BY DATE JTR 1989/02/19 APPROVED BY DATE RAS 1989/02/19	TITLE VERTICAL HEADER ASSY W/ & W/O PEG & DRAIN HOLE MINI-FIT JR SINGLE ROW	MOLEX INCORPORATED	SHEET NO. 1 OF 4
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-5566-NL*	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

13	PASSIVE LOCK WITH MTG PEGS, 94V-0 HOUSING MATERIAL		
	ENGINEERING NUMBER	PKT DRAIN SIZE/HOLE	PLATING OPTION
		04	
		05	
		06	
		07	
		08	
		09	
		10	
		11	
		12	
		04	
		05	
		06	
		07	
		08	
		09	
		10	
		11	
		12	

	POSITIVE LOCK WITH MTG PEGS, 94V-0 HOUSING MATERIAL		
	ENGINEERING NUMBER	PKT DRAIN SIZE/HOLE	PLATING OPTION
	5566-04B3S-210	04 YES	TIN OVER NICKEL
	5566-05B3S-210	05 YES	TIN OVER NICKEL
	5566-06B3S-210	06 YES	TIN OVER NICKEL
	5566-07B3S-210	07 YES	TIN OVER NICKEL
	5566-08B3S-210	08 YES	TIN OVER NICKEL
	5566-09B3S-210	09 YES	TIN OVER NICKEL
	5566-10B3S-210	10 YES	TIN OVER NICKEL
	5566-11B3S-210	11 YES	TIN OVER NICKEL
	5566-12B3S-210	12 YES	TIN OVER NICKEL
	5566-04A3S-210	04 NO	TIN OVER NICKEL
	5566-05A3S-210	05 NO	TIN OVER NICKEL
		06	
		07	
		08	
		09	
		10	
		11	
		12	
		04	
		05	
		06	
		07	
		08	
		09	
		10	
		11	
		12	

	PASSIVE LOCK WITH MTG PEGS, 94V-0 HOUSING MATERIAL		
	ENGINEERING NUMBER	PKT DRAIN SIZE/HOLE	PLATING OPTION
		04	
		05	
		06	
		07	
		08	
		09	
		10	
		11	
		12	
		04	
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		10	
		11	
		12	

	POSITIVE LOCK WITH MTG PEGS, 94V-0 HOUSING MATERIAL		
	ENGINEERING NUMBER	PKT DRAIN SIZE/HOLE	PLATING OPTION
		04	
		05	
		06	
		07	
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		11	
		12	
		04	
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		11	
		12	

12	11	10	9	8	7	6	5	4	3	2	1
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SEE SHEET 1
 EC NO: UCP2010-1922
 DRAWN: RBENES 2009/02/10
 CHKD: JBEL 2010/02/12
 APPR: FSMITH 2010/02/15
 M

QUALITY SYMBOLS

 GENERAL TOLERANCES (UNLESS SPECIFIED)
 4 PLACES ± --- INCH
 3 PLACES ± --- INCH
 2 PLACES ± --- INCH
 1 PLACE ± --- INCH
 ANGULAR ± ---°
 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM
 DRAWN BY DATE
 ADRATNOL 2006/02/24
 CHECKED BY DATE
 GPOLGAR 2006/02/24
 APPROVED BY DATE
 JCOMERC I 2006/02/24

SCALE 1:1
 DESIGN UNITS METRIC
 THIRD ANGLE PROJECTION
 TITLE
**VERTICAL HEADER ASSY
 W/& W/O PEG & DRAIN HOLE
 MINI-FIT JR SINGLE ROW**

MOLEX INCORPORATED
 MATERIAL NO. SEE CHART
 DOCUMENT NO. SDA-5566-NL*
 SHEET NO. 4 OF 4
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