

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039302058

Status:

Active

Overview:

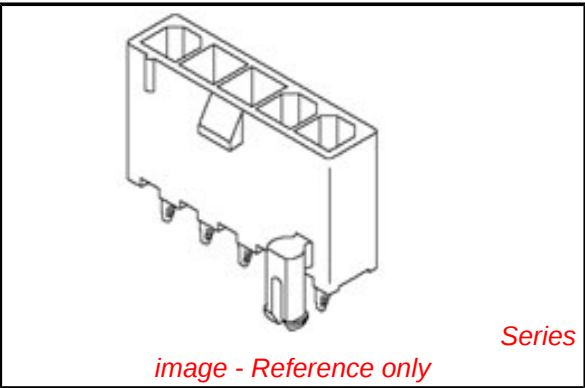
minifit_jr

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, 0.76µm (30µ") Gold (Au) Selective Plating, with 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)	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	Gold
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

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)	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	5566-05B3GS-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-5556-002

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)

LEGEND:

5566 - N * * * * *

CIRCUIT SIZE
(04-12)

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

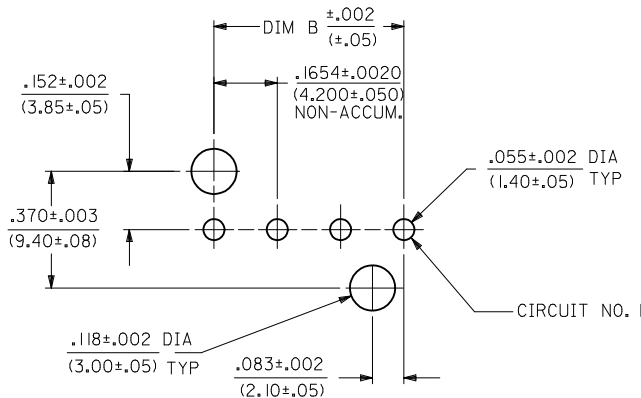
PEG AND LOCK OPTION
3=MTG. PEGS, POSITIVE LOCK
4=MTG. PEGS, PASSIVE LOCK

PLATING
(SEE NOTE 2)

HOUSING MAT'L
(SEE NOTE 1)

POSITIVE LOCK

PASSIVE LOCK



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:FSM TH 2010/02/15 M REV	QUALITY SYMBOLS ▽=0 ▽=0 DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
				IN/MM		1:1	METRIC	
				DRAWN BY DATE		TITLE		
				KSS 1989/02/19		VERTICAL HEADER ASSY		
				CHECKED BY DATE		W/ & W/O PEG & DRAIN HOLE		
				JTR 1989/02/19		MINI-FIT JR SINGLE ROW		
				APPROVED BY DATE		MOLEX INCORPORATED		
				RAS 1989/02/19		MOLEX		
				ANGULAR ±1/2°		DOCUMENT NO.		
				DRAFT WHERE APPLICABLE		SHEET NO.		
		MUST REMAIN		1 OF 4				
		WITHIN DIMENSIONS		SEE CHART				
		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

SEE SHEET 1 EC NO: UCP2006-1990 DPNWA:ADRNOL 2006/02/28 CHIKD:GPOLGR 2006/02/28 APPR: JCOMERC 2006/02/28	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY GEP	DATE 1989/07/13	TITLE VERTICAL HEADER ASSY W/ PEG AND DRAIN OPTIONS MINI-FIT JR SINGLE ROW		
		mm	INCH	CHECKED BY RJF	DATE 1989/07/13			
		mm	INCH	APPROVED BY RAS	DATE 1989/07/13			
REV	DESCRIPTION	ANGULAR ±---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
K1		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-5566-NL*		2 OF 4
				SIZE 		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

SEE SHEET 1

EC NO: UCP2010-1922

2009/02/12

DRWN:TBENES

2010/02/12

CHKD:JBELL

2010/02/12

APPR:FSMITH

2010/02/15

M

REV

DESCRIPTION

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

DRAWN BY

DATE

GEP

1989/07/13

CHECKED BY

DATE

RJF

1989/07/13

APPROVED BY

DATE

RAS

1989/07/13

MATERIAL NO.

SEE CHART

SCALE

1:1

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

VERTICAL HEADER ASSY

W/ PEG AND DRAIN OPTIONS

MINI-FIT JR SINGLE ROW

MOLEX INCORPORATED

DOCUMENT NO.

SDA-5566-NL*

SHEET NO.

3 OF 4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

POSITIVE LOCK WITH MTG. PEGS, 94V-2 BLACK HOUSING				PASSIVE LOCK WITH MTG. PEGS, 94V-2 BLACK HOUSING			
PART NO	ENG NO	CKT DRAIN SIZE/HOLE	PLATING OPTION	PART NO	ENG NO	CKT DRAIN SIZE/HOLE	
50-29-1528	5566-04A3-BL	04 NO	TIN OVER COPPER			04	
50-29-1529	5566-05A3-BL	05 NO	TIN OVER COPPER			05	
50-29-1530	5566-06A3-BL	06 NO	TIN OVER COPPER			06	
50-29-1531	5566-07A3-BL	07 NO	TIN OVER COPPER			07	
50-29-1532	5566-08A3-BL	08 NO	TIN OVER COPPER			08	
50-29-1533	5566-09A3-BL	09 NO	TIN OVER COPPER			09	
50-29-1534	5566-10A3-BL	10 NO	TIN OVER COPPER			10	
50-29-1535	5566-11A3-BL	11 NO	TIN OVER COPPER			11	
50-29-1536	5566-12A3-BL	12 NO	TIN OVER COPPER			12	
26-01-3162	5566-04A3S-BL	04 NO	TIN OVER NICKEL			04	
26-01-3163	5566-05A3S-BL	05 NO	TIN OVER NICKEL			05	
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