

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0039014047](#)
Status: **Active**
Overview: [minifit_jr](#)
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Plug Housing, Single Row, without Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-0, 4 Circuits

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	Crimp Housings
Series	5559
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (maximum)	4
Color - Resin	Natural
Flammability	94V-0
Gender	Male
Glow-Wire Compliant	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Number of Rows	1
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm
Pitch - Term. Interface (in)	0.165 In
Pitch - Term. Interface (mm)	4.20 mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40°C to +105°C

Electrical

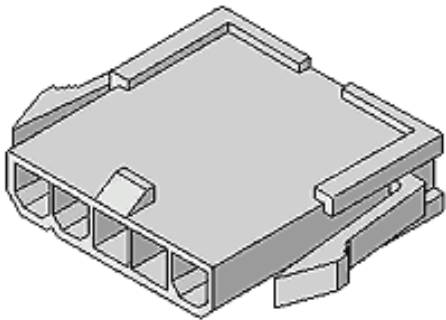
Current - Maximum per Contact	13A
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Material Info

Old Part Number	5559-04P3-210
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Reference - Drawing Numbers

Packaging Specification	PK-5559-003
Product Specification	PS-5556-001
Sales Drawing	SD-5559-NLP*



Series

image - Reference only

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
[5559Series](#)

Mates With
[39-01-4041](#) Receptacle Housing

Use With
[5558](#) Mini-Fit Jr.™ Male Crimp Terminals.
[44478](#) Mini-Fit HCS™ Male Crimp Terminals.
[30490](#) Mini-Fit® Male Grounding Crimp Terminals

This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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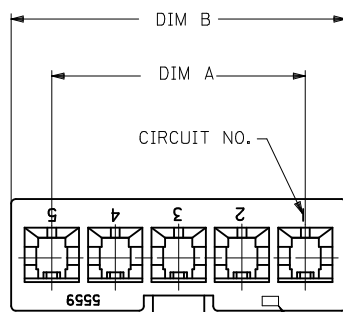
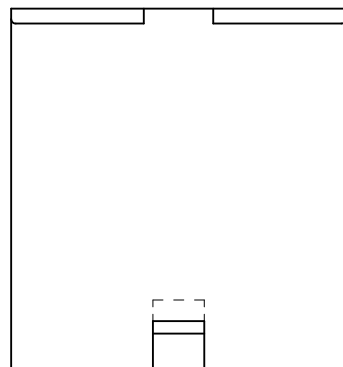
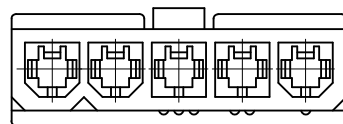
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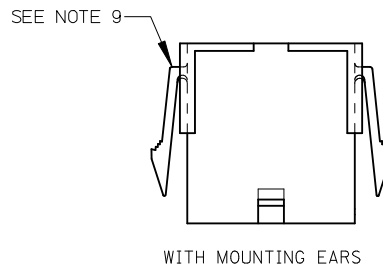
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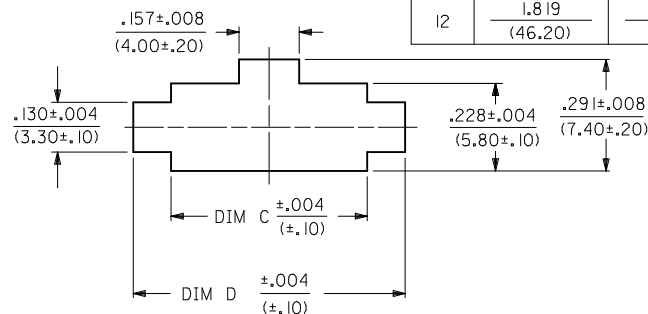
CKT SIZE	DIM A	DIM B	DIM C	DIM D
4	.496 (12.60)	.709 (18.00)	.724 (18.40)	.921 (23.40)
5	.661 (16.80)	.874 (22.20)	.890 (22.60)	1.087 (27.60)
6	.827 (21.00)	1.039 (26.40)	1.055 (26.80)	1.252 (31.80)
7	.992 (25.20)	1.205 (30.60)	1.220 (31.00)	1.417 (36.00)
8	1.157 (29.40)	1.370 (34.80)	1.386 (35.20)	1.583 (40.20)
9	1.323 (33.60)	1.535 (39.00)	1.551 (39.40)	1.748 (44.40)
10	1.488 (37.80)	1.701 (43.20)	1.717 (43.60)	1.913 (48.60)
11	1.654 (42.00)	1.866 (47.40)	1.882 (47.80)	2.079 (52.80)
12	1.819 (46.20)	2.031 (51.60)	2.047 (52.00)	2.244 (57.00)

FACTORY ID
SEE NOTE 9.213
(5.40).941
(23.90)

WITHOUT MOUNTING EARS



WITH MOUNTING EARS

RECOMMENDED PANEL CUT-OUT
(SEE NOTES 7 & 8)

NOTES:

1. MATERIAL: BLANK=NYLON 6/6, UL 94V-2, COLOR: NATURAL.
210=NYLON 6/6, UL 94V-0, COLOR: NATURAL.
400=NYLON 6/6, UL 94 V-0, COLOR: BLACK.
2. FINISH: NOTE APPLICABLE
3. PRODUCT SPECIFICATION: PS-5556-001
4. PACKAGING SPECIFICATION: BULK PER PK-5559-003
5. THIS PART MATES WITH RECEPTACLE NO. 5557.
6. THIS PART IS FOR USE WITH MOLEX MALE TERMINAL NO. 5558-*
7. PANEL MOUNT VERSION IS FOR USE WITH .031/.079/(0.80/2.00) THICK PANELS.
8. PANEL SHOULD BE PUNCHED IN THE DIRECTION OF CONNECTOR INSERTION.
9. FACTORY ID MAY BE LOCATED ON EARS.
10. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.
11. PART IS NOT DESIGNED FOR CURRENT SHARING.
12. PARTS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
13. WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS TO FLOAT FREELY IN THE POCKET.

LOCK OPTION:



POSITIVE LOCK



PASSIVE LOCK

NOTE 788 CALLOUTS
EC NO: UCP2010-1692
DRWN: JAGULAR
CHKD: JELL
APPR: FSMITH

REV
J4

QUALITY
SYMBOLS

=0

=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .010
2 PLACES	± 0.25	± .015
1 PLACE	± 0.38	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONSDIMENSION STYLE
IN/MM

DRAWN BY	DATE
KSS	2/19/89
CHECKED BY	DATE
RJF	2/19/89
APPROVED BY	DATE
RAS	2/19/89

MATERIAL NO.

SEE CHART

SIZE
CSCALE
1:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTIONMINI-FIT JR. SERIES PLUG
(SINGLE ROW)

MOLEX INCORPORATED

DOCUMENT NO.

SD-5559-NLP*

SHEET NO.

1 OF 2

12

11

10

9

8

7

6

5

4

3

2

1

13		12		11		10		9		8		7		6		5		4		3		2		1			
TOOLED		PART NO		ENG NO		CKT SIZE		MOUNTING OPTION		LOCK OPTION		MATERIAL SEE NOTE I		TOOLED		PART NO		ENG NO		CKT SIZE		MOUNTING OPTION		LOCK OPTION		MATERIAL SEE NOTE I	
J	NO	39-01-4042		5559-04P2		4		W/EARS		POSITIVE		94V-2			NO	NO E.D.P.		5559-04P4		4		W/EARS		PASSIVE		94V-2	
	YES	39-01-4046		5559-04P3		4		W/O EAR		POSITIVE		94V-2			NO	NO E.D.P.		5559-04P5		4		W/O EAR		PASSIVE		94V-2	
	NO	39-01-4043		5559-04P2-2 IO		4		W/EARS		POSITIVE		94V-0			NO	NO E.D.P.		5559-04P4-2 IO		4		W/EARS		PASSIVE		94V-0	
	YES	39-01-4047		5559-04P3-2 IO		4		W/O EAR		POSITIVE		94V-0			NO	NO E.D.P.		5559-04P5-2 IO		4		W/O EAR		PASSIVE		94V-0	
I	YES	39-01-4052		5559-05P2		5		W/EARS		POSITIVE		94V-2															
	YES	39-01-4056		5559-05P3		5		W/O EAR		POSITIVE		94V-2															
	YES	39-01-4053		5559-05P2-2 IO		5		W/EARS		POSITIVE		94V-0			YES	50-29-1599		5559-05P4-2 IO		5		W/EARS		PASSIVE		94V-0	
	YES	39-01-4057		5559-05P3-2 IO		5		W/O EAR		POSITIVE		94V-0			NO	NO E.D.P.		5559-05P5-2 IO		5		W/O EAR		PASSIVE		94V-0	
H	YES	50-30-4446		5559-05P3-400		5		W/O EAR		POSITIVE		94V-0			NO	NO E.D.P.		5559-05P5-400		5		W/O EAR		PASSIVE		94V-0	
	NO	39-01-4062		5559-06P2		6		W/EARS		POSITIVE		94V-2			NO	NO E.D.P.		5559-06P4		6		W/EARS		PASSIVE		94V-2	
	NO	39-01-4066		5559-06P3		6		W/O EAR		POSITIVE		94V-2			NO	NO E.D.P.		5559-06P5		6		W/O EAR		PASSIVE		94V-2	
	NO	39-01-4063		5559-06P2-2 IO		6		W/EARS		POSITIVE		94V-0			NO	NO E.D.P.		5559-06P4-2 IO		6		W/EARS		PASSIVE		94V-0	
G	NO	39-01-4067		5559-06P3-2 IO		6		W/O EAR		POSITIVE		94V-0			NO	NO E.D.P.		5559-06P5-2 IO		6		W/O EAR		PASSIVE		94V-0	
	NO	39-01-4072		5559-07P2		7		W/EARS		POSITIVE		94V-2			NO	NO E.D.P.		5559-07P4		7		W/EARS		PASSIVE		94V-2	
	NO	39-01-4076		5559-07P3		7		W/O EAR		POSITIVE		94V-2			NO	NO E.D.P.		5559-07P5		7		W/O EAR		PASSIVE		94V-2	
	NO	39-01-4073		5559-07P2-2 IO		7		W/EARS		POSITIVE		94V-0			NO	NO E.D.P.		5559-07P4-2 IO		7		W/EARS		PASSIVE		94V-0	
F	NO	39-01-4077		5559-07P3-2 IO		7		W/O EAR		POSITIVE		94V-0			NO	NO E.D.P.		5559-07P5-2 IO		7		W/O EAR		PASSIVE		94V-0	
	NO	39-01-4082		5559-08P2		8		W/EARS		POSITIVE		94V-2			NO	NO E.D.P.		5559-08P4		8		W/EARS		PASSIVE		94V-2	
	NO	39-01-4086		5559-08P3		8		W/O EAR		POSITIVE		94V-2			NO	NO E.D.P.		5559-08P5		8		W/O EAR		PASSIVE		94V-2	
	NO	39-01-4083		5559-08P2-2 IO		8		W/EARS		POSITIVE		94V-0			NO	NO E.D.P.		5559-08P4-2 IO		8		W/EARS		PASSIVE		94V-0	
E	NO	39-01-4087		5559-08P3-2 IO		8		W/O EAR		POSITIVE		94V-0			NO	NO E.D.P.		5559-08P5-2 IO		8		W/O EAR		PASSIVE		94V-0	
	NO	39-01-4092		5559-09P2		9		W/EARS		POSITIVE		94V-2			NO	NO E.D.P.		5559-09P4		9		W/EARS		PASSIVE		94V-2	
	NO	39-01-4096		5559-09P3		9		W/O EAR		POSITIVE		94V-2			NO	NO E.D.P.		5559-09P5		9		W/O EAR		PASSIVE		94V-2	
	NO	39-01-4093		5559-09P2-2 IO		9		W/EARS		POSITIVE		94V-0			NO	NO E.D.P.		5559-09P4-2 IO		9		W/EARS		PASSIVE		94V-0	
D	NO	39-01-4097		5559-09P3-2 IO		9		W/O EAR		POSITIVE		94V-0			NO	NO E.D.P.		5559-09P5-2 IO		9		W/O EAR		PASSIVE		94V-0	
	NO	39-01-4102		5559-10P2		10		W/EARS		POSITIVE		94V-2			NO	NO E.D.P.		5559-10P4		10		W/EARS		PASSIVE		94V-2	
	NO	39-01-4106		5559-10P3		10		W/O EAR		POSITIVE		94V-2			NO	NO E.D.P.		5559-10P5		10		W/O EAR		PASSIVE		94V-2	
	NO	39-01-4103		5559-10P2-2 IO		10		W/EARS		POSITIVE		94V-0			NO	NO E.D.P.		5559-10P4-2 IO		10		W/EARS		PASSIVE		94V-0	
C	NO	39-01-4107		5559-10P3-2 IO		10		W/O EAR		POSITIVE		94V-0			NO	NO E.D.P.		5559-10P5-2 IO		10		W/O EAR		PASSIVE		94V-0	
	NO	39-01-4112		5559-11P2		11		W/EARS		POSITIVE		94V-2			NO	NO E.D.P.		5559-11P4		11		W/EARS		PASSIVE		94V-2	
	NO	39-01-4116		5559-11P3		11		W/O EAR		POSITIVE		94V-2			NO	NO E.D.P.		5559-11P5		11		W/O EAR		PASSIVE		94V-2	
	NO	39-01-4113		5559-11P2-2 IO		11		W/EARS		POSITIVE		94V-0			NO	NO E.D.P.		5559-11P4-2 IO		11		W/EARS		PASSIVE		94V-0	
B	NO	39-01-4117		5559-11P3-2 IO		11		W/O EAR		POSITIVE		94V-0			NO	NO E.D.P.		5559-11P5-2 IO		11		W/O EAR		PASSIVE		94V-0	
	NO	39-01-4122		5559-12P2		12		W/EARS		POSITIVE		94V-2			NO	NO E.D.P.		5559-12P4		12		W/EARS		PASSIVE		94V-2	
	NO	39-01-4126		5559-12P3		12		W/O EAR		POSITIVE		94V-2			NO	NO E.D.P.		5559-12P5		12		W/O EAR		PASSIVE		94V-2	
	NO	39-01-4123		5559-12P2-2 IO		12		W/EARS		POSITIVE		94V-0			NO	NO E.D.P.		5559-12P4-2 IO		12		W/EARS		PASSIVE		94V-0	
A	NO	39-01-4127		5559-12P3-2 IO		12		W/O EAR		POSITIVE		94V-0			NO	NO E.D.P.		5559-12P5-2 IO		12		W/O EAR		PASSIVE		94V-0	