

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0039014046](#)
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-2, 4 Circuits

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	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-2
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
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Reference - Drawing Numbers

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

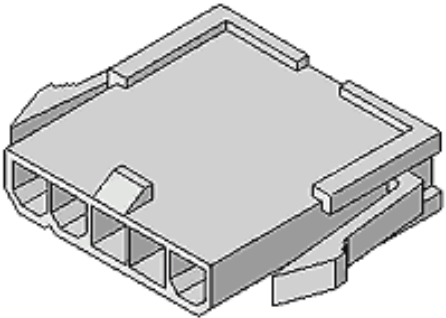


image - Reference only

Series

EU RoHS

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

Not Reviewed

**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.

China RoHS



Search Parts in this Series

[5559Series](#)

Mates With

[39-01-4040](#) Receptacle Housing

Use With

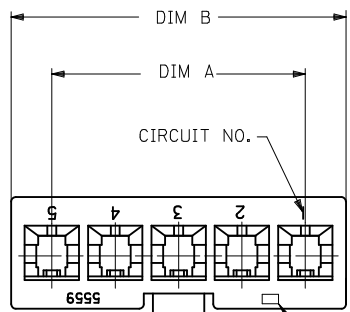
[5558](#) Mini-Fit Jr.™ Male Crimp Terminals.
[44478](#) Mini-Fit HCS™ Male Crimp Terminals. [30490](#) Mini-Fit® Male Grounding Crimp Terminals

This document was generated on 05/19/2010

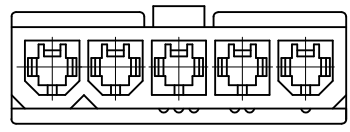
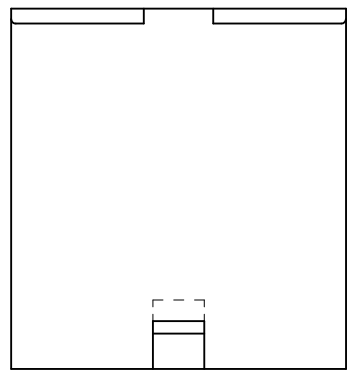
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13 12 11 10 9 8 7 6 5 4 3 2 1

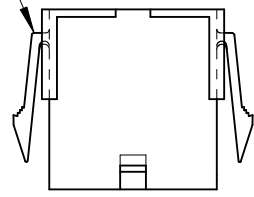


FACTORY ID
SEE NOTE 9

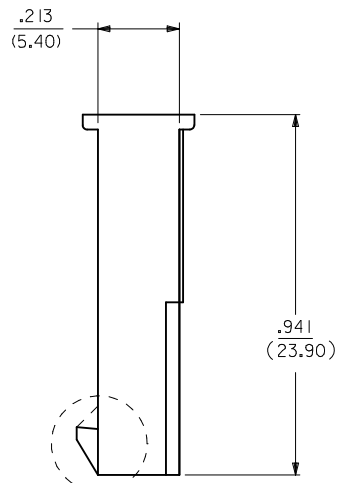


WITHOUT MOUNTING EARS

SEE NOTE 9



WITH MOUNTING EARS

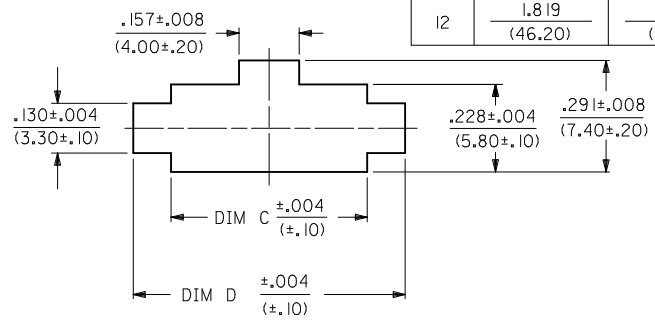


LOCK OPTION:



POSITIVE LOCK PASSIVE LOCK

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)



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.

2	J3
1	J4

NOTE 788 CALLOUTS EC NO: UCP2010-1692 DRWN: JAGULAR CHKD: JELL APPR: FSMITH REV J4	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 KSS	DATE 2/19/89	TITLE MINI-FIT JR. SERIES PLUG (SINGLE ROW)					
		4 PLACES ± ---	± ---	CHECKED BY RJF	DATE 2/19/89						
		3 PLACES ± ---	± .010	APPROVED BY RAS	DATE 2/19/89	MATERIAL NO. SD-5559-NLP*					
ANGULAR ±1/2°		2 PLACES ± 0.25	± .015	DOCUMENT NO. SD-5559-NLP*				SHEET NO. 1 OF 2			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		1 PLACE ± 0.38	± ---								
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

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	
LEGEND 5559-*** P * - * BASE NO CIRCUIT SIZE (04-12) PLUG MATERIAL OPTION: SEE NOTE I MOUNTING AND LOCK OPTION: 2=WITH EARS,POSITIVE LOCK 3=WITHOUT EARS,POSITIVE LOCK 4=WITH EARS,PASSIVE LOCK 5=WITHOUT EARS,PASSIVE LOCK												SEE SHEET 1 EC NO: UCP2010-1068 DRWN: J JAGUILAR CHKD: J BELL APPR: F SMITH REV 2009/10/27 2009/10/30 2009/10/30 QUALITY SYMBOLS ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .015 1 PLACE ± 0.38 ± --- ANGULAR ± 1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE IN/MM DRAWN BY RJF DATE 10/13/89 CHECKED BY BAP DATE 10/13/89 APPROVED BY RAS DATE 10/13/89 SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION MOLEX MOLEX INCORPORATED SD-5559-NLP* SHEET NO. 2 OF 2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
1b_frame_C_P_ME_T Rev. D 2004/04/02		12		11		10		9		8		7		6		5		4		3		2		1			