

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0039013049](#)
Status: **Active**
Overview: [minifit_jr](#)
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Plug Housing, Dual 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.. Glow Wire Equivalent Part Number 50361679
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	2
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	5559-04P1-210
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Reference - Drawing Numbers

Packaging Specification	PK-5559-002
Product Specification	PS-5556-001

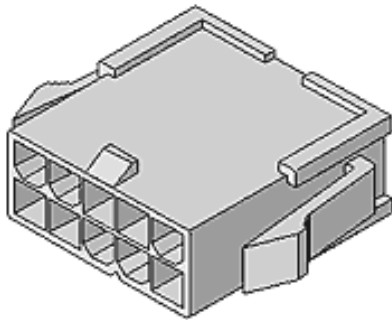


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free

**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

[5559](#)Series

Mates With

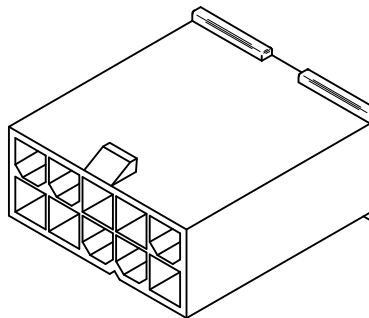
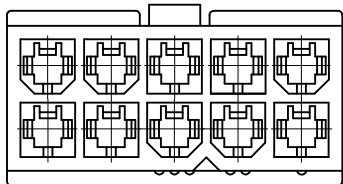
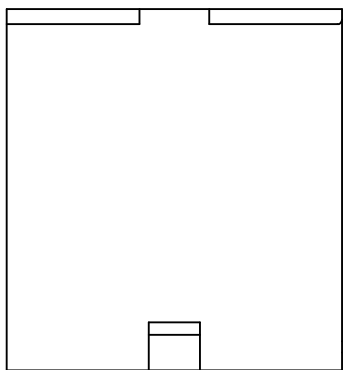
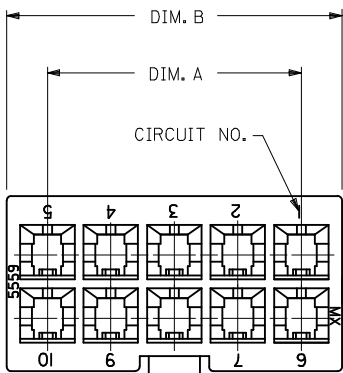
[39013048](#) Receptacle Housing, [39012045](#)
Receptacle Housing

Use With

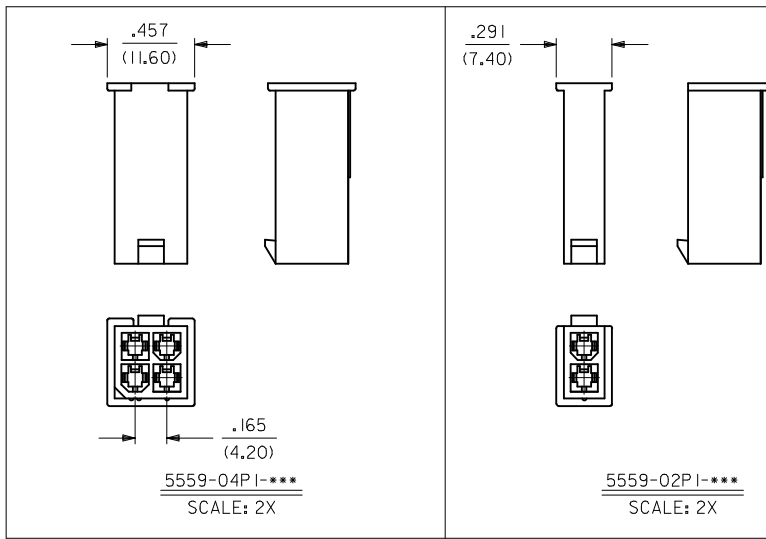
[5558](#) Mini-Fit Jr.™ Male Crimp Terminals.
[44478](#) Mini-Fit HCS™ Male Crimp
Terminals. [30490](#) Mini-Fit® Male Grounding
Crimp Terminals

This document was generated on 05/19/2010

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CKT. SIZE	DIM. A	DIM. B
6	.331 (8.40)	.543 (13.80)
8	.496 (12.60)	.709 (18.00)
10	.661 (16.80)	.874 (22.20)
12	.827 (21.00)	1.039 (26.40)
14	.992 (25.20)	1.205 (30.60)
16	1.157 (29.40)	1.370 (34.80)
18	1.323 (33.60)	1.535 (39.00)
20	1.488 (37.80)	1.701 (43.20)
22	1.654 (42.00)	1.866 (47.40)
24	1.819 (46.20)	2.031 (51.60)



- NOTES:
- MATERIAL: BLANK=NYLON 6/6, UL 94V-2, COLOR: NATURAL
BL=NYLON 6/6, UL94V-2, COLOR: BLACK
210=NYLON 6/6, UL 94V-0, COLOR: NATURAL
220=NYLON 6/6, UL 94V-2, U.V. STABILIZED, COLOR: BLACK
 - FINISH: N/A
 - PRODUCT SPECIFICATION: PS-5556-001
 - PACKAGING SPECIFICATION: SEE CHARTS
 - THIS PART MATES WITH RECEPTACLE #5557
 - THIS PART IS FOR USE WITH MOLEX MALE TERMINAL #5558-*

ADDED PK SPECS EC NO: UCP2009-0724 DRWN:JKLOSTENIER 2008/10/01 CHKD:JBELL 2008/10/03 APPR:FSMITH 2008/10/03	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm		INCH		DRAWN BY RJF		DATE 1989/09/22	
		4 PLACES ± ---		± ---		CHECKED BY BAP		DATE 1989/09/22	
		3 PLACES ± ---		± .015		APPROVED BY ROS		DATE 1989/09/22	
2 PLACES ± 0.38		± ---		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-5559-NP1*		SHEET NO. 1 OF 2	
1 PLACE ± ---		± ---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

13		12		11		10		9		8		7		6		5		4		3		2		1											
PART NUMBER		ENG. NUMBER		CIRCUIT SIZE		MATERIAL		PACKAGING SPECIFICATION		PART NUMBER		ENG. NUMBER		CIRCUIT SIZE		MATERIAL		PACKAGING SPECIFICATION		LEGEND 5559-**-PI-* BASE NO CIRCUIT SIZE (02-24) PLUG WITHOUT MOUNTING EARS MATERIAL OPTION: (SEE NOTE 1 ON SHEET 1.)															
39-01-3023		5559-02P I		2		94V-2		PK-5559-002		39-01-3029		5559-02P I-2 I O		2		94V-0		PK-5559-002																	
39-01-3043		5559-04P I		4		94V-2		BULK		39-01-3049		5559-04P I-2 I O		4		94V-0		BULK																	
39-01-3063		5559-06P I		6		94V-2		BULK		39-01-3069		5559-06P I-2 I O		6		94V-0		BULK																	
39-01-3083		5559-08P I		8		94V-2		BULK		39-01-3089		5559-08P I-2 I O		8		94V-0		BULK																	
39-01-3103		5559-10P I		10		94V-2		BULK		39-01-3109		5559-10P I-2 I O		10		94V-0		BULK																	
39-01-3123		5559-12P I		12		94V-2		BULK		39-01-3129		5559-12P I-2 I O		12		94V-0		BULK																	
39-01-3143		5559-14P I		14		94V-2		BULK		39-01-3149		5559-14P I-2 I O		14		94V-0		BULK																	
39-01-3163		5559-16P I		16		94V-2		BULK		39-01-3169		5559-16P I-2 I O		16		94V-0		BULK																	
39-01-3183		5559-18P I		18		94V-2		BULK		39-01-3189		5559-18P I-2 I O		18		94V-0		BULK																	
39-01-3203		5559-20P I		20		94V-2		BULK		39-01-3209		5559-20P I-2 I O		20		94V-0		BULK																	
39-01-3223		5559-22P I		22		94V-2		BULK		39-01-3229		5559-22P I-2 I O		22		94V-0		BULK																	
39-01-3243		5559-24P I		24		94V-2		BULK		39-01-3249		5559-24P I-2 I O		24		94V-0		BULK																	
PART NUMBER		ENG. NUMBER		CIRCUIT SIZE		MATERIAL		PACKAGING SPECIFICATION		PART NUMBER		ENG. NUMBER		CIRCUIT SIZE		MATERIAL		PACKAGING SPECIFICATION																	
15-04-6020		5559-02P I-220		2		94V-2, U.V. STABILIZED		PK-5559-002		39-01-3026		5559-02P1-BL		2		94V-2		PK-5559-002																	
NO E.D.P.		5559-04P I-220		4		94V-2, U.V. STABILIZED		BULK		39-01-3046		5559-04P1-BL		4		94V-2		BULK																	
NO E.D.P.		5559-06P I-220		6		94V-2, U.V. STABILIZED		BULK		39-01-3066		5559-06P1-BL		6		94V-2		BULK																	
NO E.D.P.		5559-08P I-220		8		94V-2, U.V. STABILIZED		BULK		39-01-3086		5559-08P1-BL		8		94V-2		BULK																	
NO E.D.P.		5559-10P I-220		10		94V-2, U.V. STABILIZED		BULK		39-01-3106		5559-10P1-BL		10		94V-2		BULK																	
NO E.D.P.		5559-12P I-220		12		94V-2, U.V. STABILIZED		BULK		39-01-3126		5559-12P1-BL		12		94V-2		BULK																	
NO E.D.P.		5559-14P I-220		14		94V-2, U.V. STABILIZED		BULK		39-01-3146		5559-14P1-BL		14		94V-2		BULK																	
NO E.D.P.		5559-16P I-220		16		94V-2, U.V. STABILIZED		BULK		39-01-3166		5559-16P1-BL		16		94V-2		BULK																	
NO E.D.P.		5559-18P I-220		18		94V-2, U.V. STABILIZED		BULK																											
NO E.D.P.		5559-20P I-220		20		94V-2, U.V. STABILIZED		BULK																											
NO E.D.P.		5559-22P I-220		22		94V-2, U.V. STABILIZED		BULK																											
NO E.D.P.		5559-24P I-220		24		94V-2, U.V. STABILIZED		BULK																											
ADDED PK SPECS EC NO: UCP2009-0724 DRWN:JKLOSTENIER 2008/10/01 CHKD:JBELL 2008/10/03 APPR:FSMITH 2008/10/03 REV										QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± .015 1 PLACE ± 0.38 ± --- ANGULAR ±1/2°				DIMENSION STYLE IN/MM DRAWN BY DATE RJF 1989/09/22 CHECKED BY DATE BAP 1989/09/22 APPROVED BY DATE ROS 1989/09/22				SCALE 1:1		DESIGN UNITS INCH		THIRD ANGLE PROJECTION		MINI-FIT JR SERIES PLUG W/O MTG. EARS				MOLEX INCORPORATED		DOCUMENT NO. SD-5559-NP1*		SHEET NO. 2 OF 2	
D2										DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART				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. E 2006/04/15		12		11		10		9		8		7		6		5		4		3		2		1											