

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0039013123
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-2, 12 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.
MolexKits	Yes
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (maximum)	12
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	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

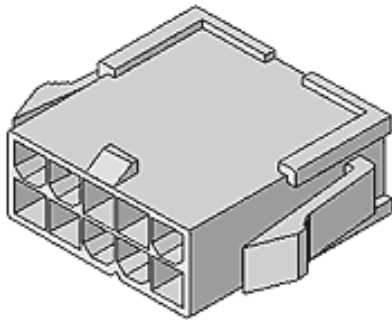
Current - Maximum per Contact	13A
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Material Info

Old Part Number	5559-12P1
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Reference - Drawing Numbers

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



Series

image - Reference only

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
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.

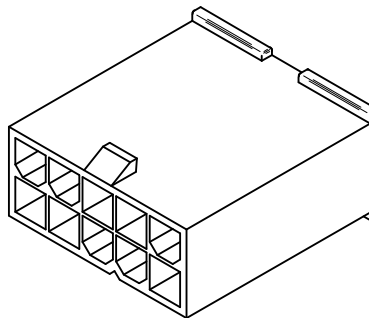
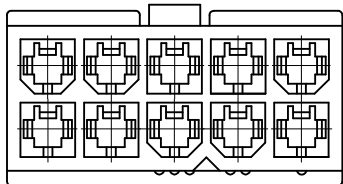
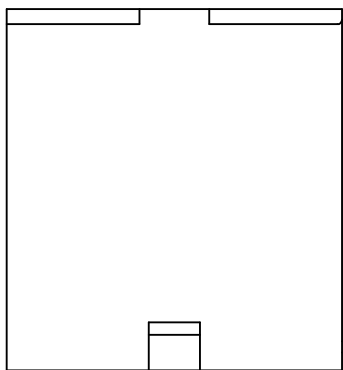
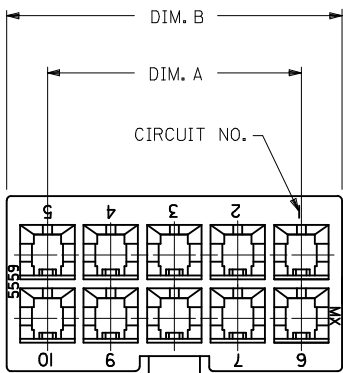
Search Parts in this Series
5559Series

Mates With
5557 Receptacle Housing

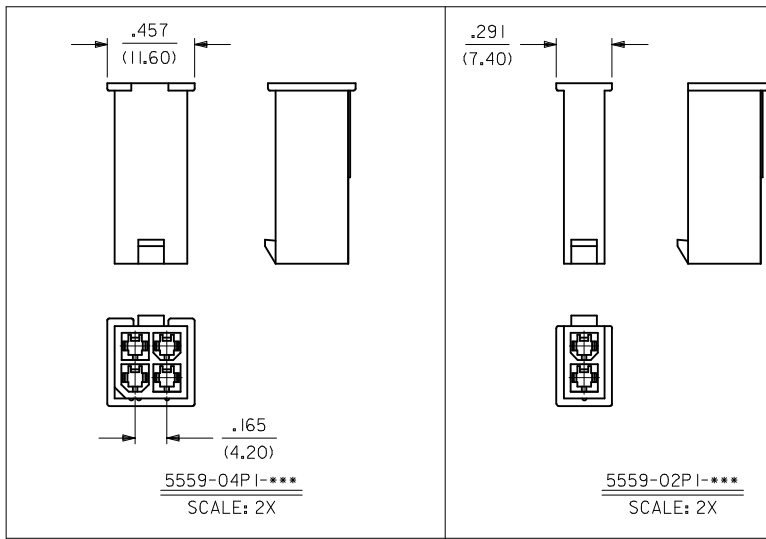
Use With
41995 Strain Relief

This document was generated on 06/08/2010

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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 ± --- ± ---		3 PLACES ± --- ± .015		CHECKED BY BAP		DATE 1989/09/22	
		2 PLACES ± 0.38 ± ---		1 PLACE ± --- ± ---		APPROVED BY ROS		DATE 1989/09/22	
ANGULAR ± 1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MATERIAL NO. DOCUMENT NO.		SHEET NO. 1 OF 2	
D2		REV		SIZE		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.)					
J	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						
I	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						
H	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						
G	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						
F																
	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						
E	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						
D	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						
C	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											
B	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											
A																
1b_frame_C_P_ME_T Rev. E 2006/04/15					12	11	10	9	8	7	6	5	4	3	2	1

ADDED PK SPECS EC NO: UCP2009-0724 DRWN: JLOSTEMEIER 2008/10/01 CHKD: J BELL 2008/10/03 APPR: F SMITH 2008/10/03	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		4 PLACES ± ---	± ---	DRAWN BY R J F	DATE 1989/09/22	TITLE MINI-FIT JR SERIES PLUG W/O MTG. EARS			
		3 PLACES ± ---	± ---	CHECKED BY BAP	DATE 1989/09/22				
		2 PLACES ± ---	± .015	APPROVED BY R O S	DATE 1989/09/22	MOLEX INCORPORATED			
		1 PLACE ± 0.38	± ---	MATERIAL NO. SEE CHART					
		ANGULAR ±1/2°							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
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ADDED PK SPECS
EC NO: UCP2009-0724
DRWN:JKLOSTENIER 2008/10/01
CHKD:JBELL 2008/10/03
APPR:FSMITH 2008/10/03

DESCRIPTION

REV

D2

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

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

MATERIAL NO.

SEE CHART

SIZE

C

SCALE

1:1

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

MINI-FIT JR SERIES
PLUG W/O MTG. EARS

molex

MOLEX INCORPORATED

DOCUMENT NO.

SD-5559-NP1*

SHEET NO.

2 OF 2

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