

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0039012246](#)  
**Status:** **Active**  
**Overview:** [minifit\\_jr](#)  
**Description:** 4.20mm (.165") Pitch Mini-Fit Jr.™ Plug Housing, Dual Row, with and without Panel Mount Ears, UL 94V-0, Panel Mount, 24 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	<a href="#">5559</a>
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.

Overview	<a href="#">minifit_jr</a>
Product Name	Mini-Fit Jr.™

**Physical**

Breakaway	No
Circuits (maximum)	24
Color - Resin	Natural
Flammability	94V-0
Gender	Male
Glow-Wire Compliant	No
Material - Resin	Nylon
Number of Rows	2
Packaging Type	Bag
Panel Mount	Yes
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**

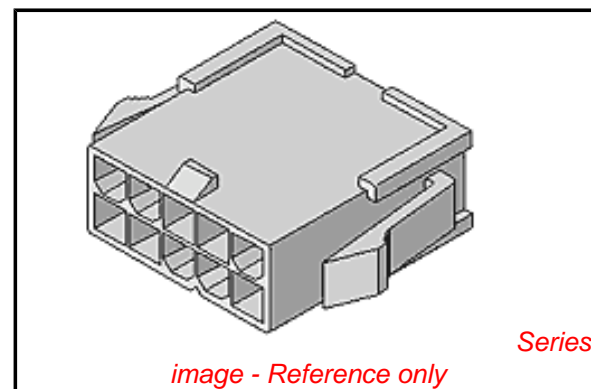
Current - Maximum per Contact	13A
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**Material Info**

Old Part Number	5559-24P-210
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**Reference - Drawing Numbers**

Product Specification	PS-5556-001
Sales Drawing	SD-5559-NP



**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](mailto: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**

[5557d Receptacle Housing](#)

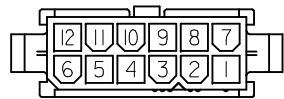
**Use With**

[5558 Crimp Terminal](#)

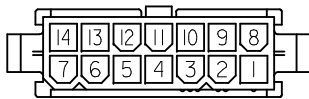
This document was generated on 05/19/2010

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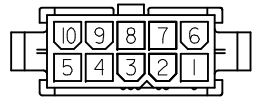




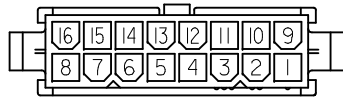
12CKTS.



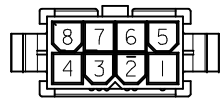
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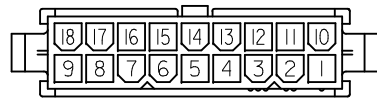
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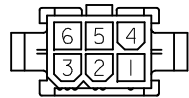
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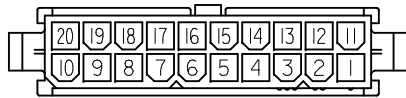
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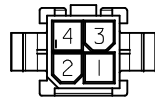
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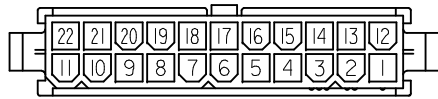
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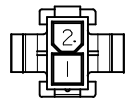
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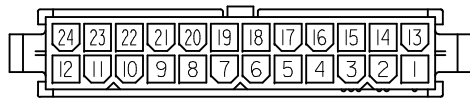
4CKTS.



22CKTS.



2CKTS.



24CKTS.

CIRCUIT SIZE LAYOUT (SCALE : 2-1)

V-2 BLACK		
		24
		22
		20
		18
		16
		14
		12
		10
		8
39-02-8065	5569-06P-BL	6
39-02-8045	5569-04P-BL	4
		2
EDP NO.	ENG. NO.	CIRCUIT

V-2 BLUE			V-2 RED			V-0 NATURAL			V-2 NATURAL		
		24			24	39-01-2246	5559-24P-210	24	39-01-2241	5559-24P	24
		22			22	↑ -2226	↑ -22P-210	22	↑ -2221	↑ -22P	22
		20			20	↑ -2206	↑ -20P-210	20	↑ -2201	↑ -20P	20
		18			18	↑ -2186	↑ -18P-210	18	↑ -2181	↑ -18P	18
		16			16	↑ -2166	↑ -16P-210	16	↑ -2161	↑ -16P	16
		14			14	↑ -2146	↑ -14P-210	14	↑ -2141	↑ -14P	14
		12			12	↑ -2126	↑ -12P-210	12	↑ -2121	↑ -12P	12
		10			10	↑ -2106	↑ -10P-210	10	↑ -2101	↑ -10P	10
		8			8	↑ -2086	↑ -08P-210	8	↑ -2081	↑ -08P	8
		6	39-02-8067	5559-06P-RE	6	↑ -2066	↑ -06P-210	6	↑ -2061	↑ -06P	6
		4	39-02-8047	5559-04P-RE	4	↑ -2046	↑ -04P-210	4	↑ -2041	↑ -04P	4
		2			2	39-01-2026	5559-02P-210	2	39-01-2021	5559-02P	2
EDP NO.	ENG. NO.	CIRCUIT	EDP NO.	ENG. NO.	CIRCUIT	EDP NO.	ENG. NO.	CIRCUIT	EDP NO.	ENG. NO.	CIRCUIT

<b>SEE SHEET 1</b> EC NO: UCP2010-0850 DRWN: JAGUILAR 2009/11/09 CHKD: BELL 2009/11/10 APPR: F. SMITH 2009/11/10	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr><th colspan="2">mm</th><th colspan="2">INCH</th></tr> <tr><td>4 PLACES ± .---</td><td>± .---</td><td></td><td></td></tr> <tr><td>3 PLACES ± .---</td><td>± .012</td><td></td><td></td></tr> <tr><td>2 PLACES ± .30</td><td>± .016</td><td></td><td></td></tr> <tr><td>1 PLACE ± .40</td><td>± .---</td><td></td><td></td></tr> </table>	mm		INCH		4 PLACES ± .---	± .---			3 PLACES ± .---	± .012			2 PLACES ± .30	± .016			1 PLACE ± .40	± .---			DIMENSION STYLE <b>MM/IN</b>	SCALE <b>2:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
	mm		INCH																							
	4 PLACES ± .---	± .---																								
	3 PLACES ± .---	± .012																								
2 PLACES ± .30	± .016																									
1 PLACE ± .40	± .---																									
DRAWN BY <b>H. HIRAMOTO</b>	DATE <b>1988/10/14</b>	CHECKED BY <b>Y. YAMADA</b>	DATE <b>1988/10/21</b>	<b>NEW MINI. FIT CONNECTOR CRIMP PIN HOUSING</b>																						
APPROVED BY <b>M. ENOMOTO</b>	DATE <b>1988/10/24</b>	<b>MOLEX INCORPORATED</b>			SHEET NO. <b>2 OF 2</b>																					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		<b>SEE CHART</b>		<b>SD-5559-NP</b>		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				