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Part Number: [0039012046](#)
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, 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.. Glow Wire Equivalent Part Number [50361735](#). Not for use with Strain Relief

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
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

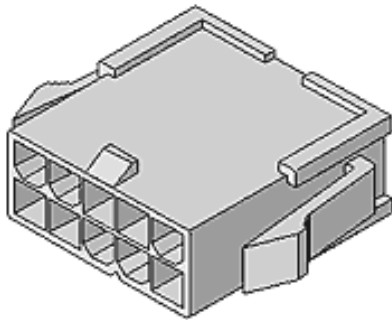
Current - Maximum per Contact 13A

Material Info

Old Part Number 5559-04P-210

Reference - Drawing Numbers

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



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.

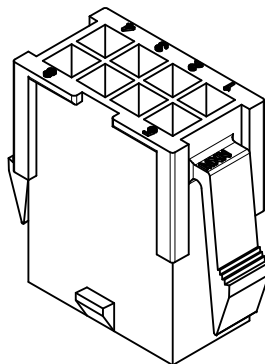
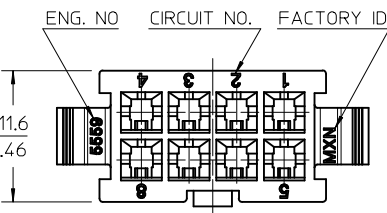
Search Parts in this Series
[5559Series](#)

Mates With
[5557d](#) Receptacle Housing

Use With
[5558](#) , [44478](#) , [30490](#) , [41995](#)

This document was generated on 05/19/2010

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NOTES:

1) MATERIAL:

"BLANK" = NYLON 6/6, 94V-2, COLOR: NATURAL.

"BL" = NYLON 6/6, 94V-2, COLOR: BLACK.

"BU" = NYLON 6/6, 94V-2, COLOR: BLUE.

"RE" = NYLON 6/6, 94V-2, COLOR: RED.

"210" = NYLON 6/6, 94V-0, COLOR: NATURAL.

2) FINISH: NOT APPLICABLE

3) PRODUCT SPECIFICATION: PS-5556-001

4) PACKAGING: BULK

5) PART MATES WITH MOLEX RECEPTACLE #5557.

6) PART TO BE USED WITH MOLEX FEMALE TERMINAL #5558.

7) PART IS NOT DESIGNED FOR CURRENT SHARING.

8) CONNECTORS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.

9) WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS

TO FLOAT FREELY IN THE POCKET.

10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION

PS-45499-002 WITH THE EXCEPTION OF DISCOLORATION, FLASH AND SINK MEET

CLASS "C" REQUIREMENTS.

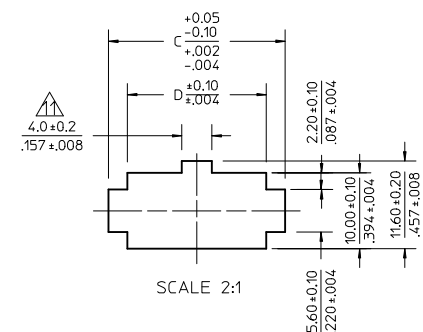
11) ON 2 CIRCUITS PARTS THIS DIMENSION IS ALLOWABLE UP TO "D" DIMENSION.

12) PANEL HOLE TO BE PUNCHED OUT IN THE SAME DIRECTION AS INSERTION INTO THE PANEL.

LEGEND

BASE NO 5559-** P - *
CIRCUIT SIZE 02-24)
HOUSING TYPE:
PLUG WITH
MOUNTING EARS

MATERIAL OPTION:
(SEE NOTE 1)

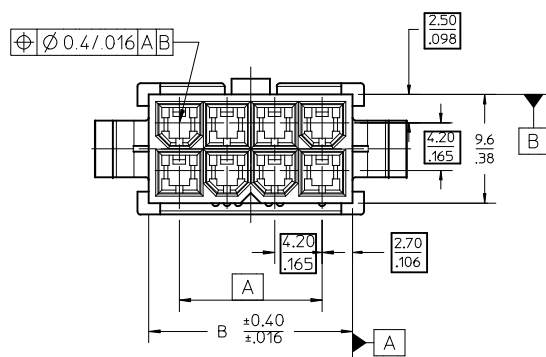
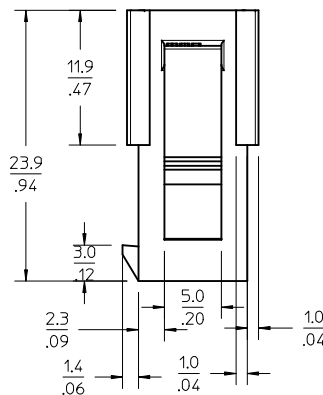
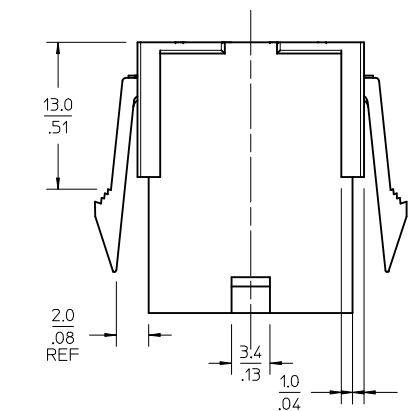


SCALE 2:1

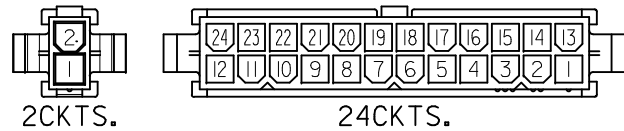
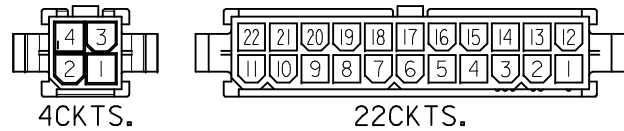
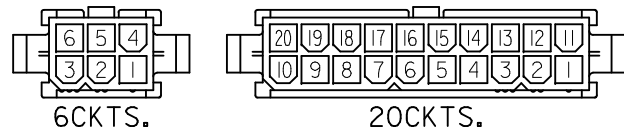
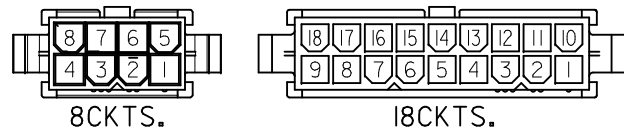
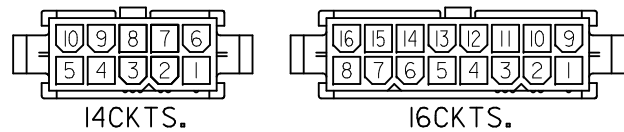
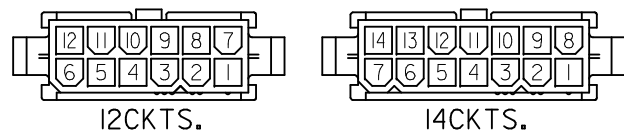
RECOMMENDED PANEL HOLE DIMENSIONS

(THICKNESS : 0.8-2.0/.032-.079)

52.1/2.051	57.0/2.244	51.6/2.031	46.2/1.819	24
47.9/1.886	52.8/2.079	47.4/1.866	42.0/1.654	22
43.7/1.720	48.6/1.913	43.2/1.701	37.8/1.488	20
39.5/1.555	44.4/1.748	39.0/1.535	33.6/1.323	18
35.3/1.390	40.2/1.583	34.8/1.370	29.4/1.158	16
31.1/1.224	36.0/1.417	30.6/1.205	25.2/0.992	14
26.8/1.055	31.8/1.252	26.4/1.039	21.0/0.827	12
22.6/0.890	27.6/1.087	22.2/0.874	16.8/0.661	10
18.4/0.724	23.4/0.921	18.0/0.709	12.6/0.496	8
14.2/0.559	19.2/0.756	13.8/0.543	8.4/0.331	6
10.0/0.394	15.0/0.591	9.6/0.378	4.2/0.165	4
5.8/0.228	10.8/0.425	5.4/0.213	—	2
D	C	B	A	CIRCUIT



ADDED MODEL VIEWS EC NO: UCP2010-0850 DRWN: JAGUILAR 2009/11/09 CHKD: J.BELL 2009/11/10 APPR: F.S.MITH 2009/11/10	DESCRIPTION REV J	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE 3:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
			4 PLACES ± --- ± --- 3 PLACES ± --- ± .012 2 PLACES ± .30 ± .016 1 PLACE ± .40 ± --- ANGULAR ± 3 °		DRAWN BY DATE H.HIRAMOTO 1988/10/14 CHECKED BY DATE Y.YAMADA 1988/10/21 APPROVED BY DATE M.ENOMOTO 1988/10/24		TITLE NEW MINI. FIT CONNECTOR CRIMP PIN HOUSING		MOLEX INCORPORATED		SEE CHART SD-5559-NP	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SIZE C		DOCUMENT NO.		SHEET NO. 1 OF 2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



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
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

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