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Part Number: [0039012166](#)
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, 16 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.. Not for use with Strain Relief
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (maximum)	16
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

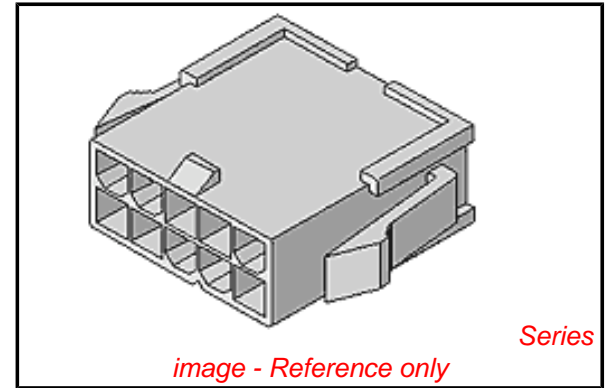
Current - Maximum per Contact	13A
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Material Info

Old Part Number	5559-16P-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
 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

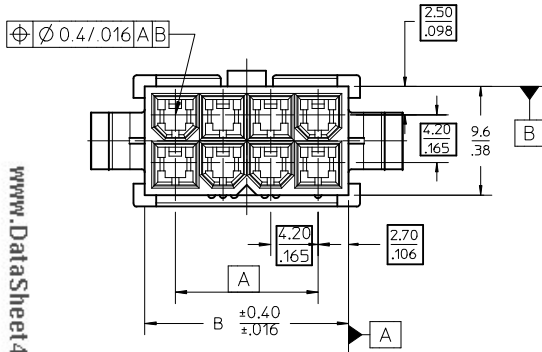
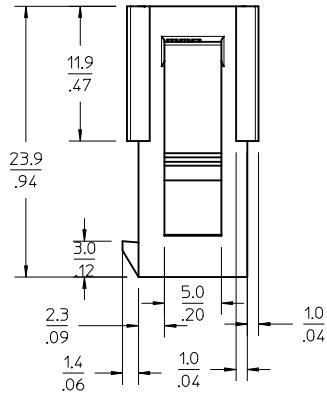
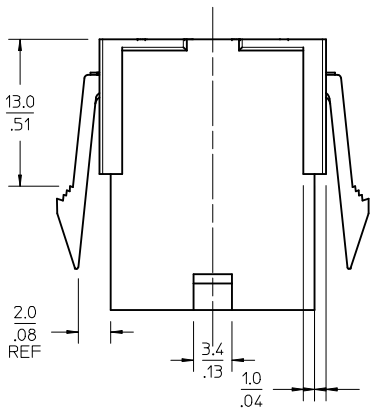
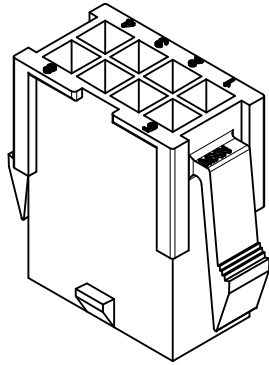
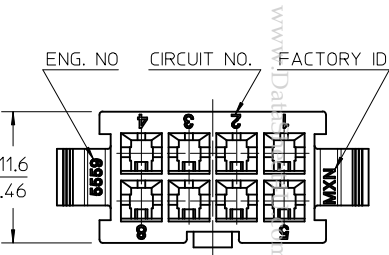
[5557d Receptacle Housing](#)

Use With

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

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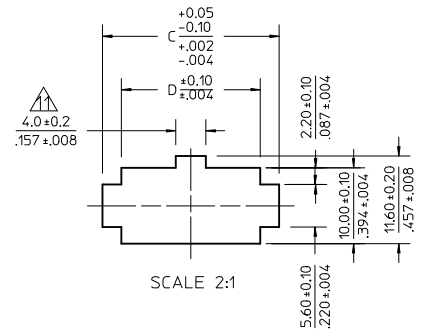
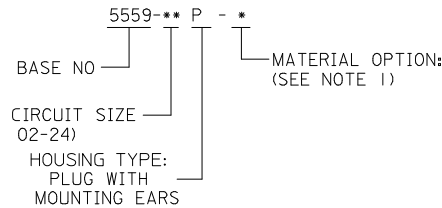
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NOTES:

- 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.
 - FINISH: NOT APPLICABLE
 - PRODUCT SPECIFICATION: PS-5556-001
 - PACKAGING: BULK
 - PART MATES WITH MOLEX RECEPTACLE #5557.
 - PART IS TO BE USED WITH MOLEX FEMALE TERMINAL #5558.
 - PART IS NOT DESIGNED FOR CURRENT SHARING.
 - CONNECTORS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
 - WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS TO FLOAT FREELY IN THE POCKET.
 - PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF DISCOLORATION, FLASH AND SINK MEET CLASS "C" REQUIREMENTS.
- ⚠ ON 2 CIRCUITS PARTS THIS DIMENSION IS ALLOWABLE UP TO "D" DIMENSION.
 ⚠ PANEL HOLE TO BE PUNCHED OUT IN THE SAME DIRECTION AS INSERTION INTO THE PANEL.

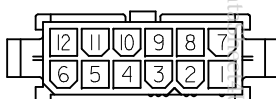
LEGEND



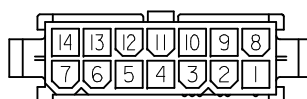
RECOMMENDED PANEL HOLE DIMENSIONS
(THICKNESS : 0.8-2.0/.032-.079)

D	C	B	A	CIRCUIT
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	25.2/992	14
26.8/1.055	31.8/1.252	26.4/1.039	21.0/.827	12
22.6/.890	27.6/1.087	22.2/.874	16.8/.661	10
18.4/.724	23.4/.921	18.0/.709	12.6/.496	8
14.2/.559	19.2/.756	13.8/.543	8.4/.331	6
10.0/.394	15.0/.591	9.6/.378	4.2/.165	4
5.8/.228	10.8/.425	5.4/.213	—	2

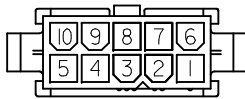
ADDED MODEL VIEWS EC NO: UCP2010-0850 DRWN: JAGUILAR 2009/11/09 CHKD: J.BELL 2009/11/10 APPR: F.SMITH 2009/11/10	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM/IN	3:1	METRIC	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE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



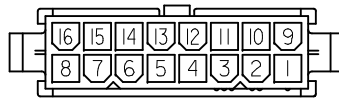
12CKTS.



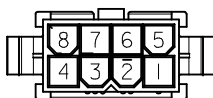
14CKTS.



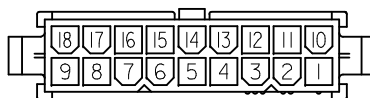
14CKTS.



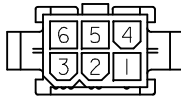
16CKTS.



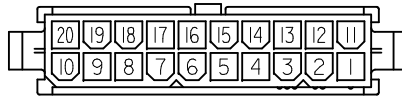
8CKTS.



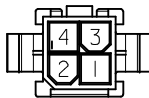
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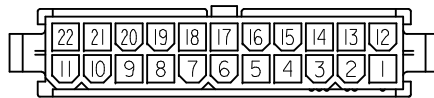
6CKTS.



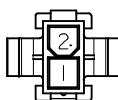
20CKTS.



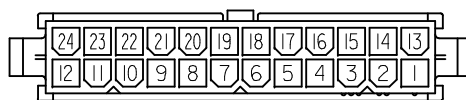
4CKTS.



22CKTS.



2CKTS.



24CKTS.

CIRCUIT SIZE LAYOUT (SCALE : 2-1)

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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		
		24
		22
		20
		18
		16
		14
		12
		10
		8
		6
		4
		2
39-02-8046	5569-04P-BU	4
		2
EDP NO.	ENG. NO.	CIRCUIT

V-2 RED			V-0 NATURAL			V-2 NATURAL		
		24	39-01-2246	5559-24P-210	24	39-01-2241	5559-24P	24
		22	↑ -2226	↑ -22P-210	22	↑ -2221	↑ -22P	22
		20	↑ -2206	↑ -20P-210	20	↑ -2201	↑ -20P	20
		18	↑ -2186	↑ -18P-210	18	↑ -2181	↑ -18P	18
		16	↑ -2166	↑ -16P-210	16	↑ -2161	↑ -16P	16
		14	↑ -2146	↑ -14P-210	14	↑ -2141	↑ -14P	14
		12	↑ -2126	↑ -12P-210	12	↑ -2121	↑ -12P	12
		10	↑ -2106	↑ -10P-210	10	↑ -2101	↑ -10P	10
		8	↑ -2086	↑ -08P-210	8	↑ -2081	↑ -08P	8
		6	↑ -2066	↑ -06P-210	6	↑ -2061	↑ -06P	6
		4	↑ -2046	↑ -04P-210	4	↑ -2041	↑ -04P	4
		2	↑ -2026	↑ -02P-210	2	↑ -2021	↑ -02P	2
39-02-8067	5559-06P-RE	6	39-02-8067	5559-04P-RE	4	39-01-2026	5559-02P-210	2
39-02-8047	5559-04P-RE	4	39-02-8047	5559-04P-RE	4	39-01-2026	5559-02P-210	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

SEE SHEET 1
EC NO: UCP2010-0850
DRWN: JAGUILAR 2009/11/09
CHKD: BELL 2009/11/10
APPR: F. SMITH 2009/11/10
REV

QUALITY SYMBOLS
▽=0
▽=0
▽=0
DESCRIPTION
GENERAL TOLERANCES (UNLESS SPECIFIED)
4 PLACES ± .30
3 PLACES ± .30
2 PLACES ± .30
1 PLACE ± .40
ANGULAR ± 3°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

GENERAL TOLERANCES (UNLESS SPECIFIED)
MM/IN
DRAWN BY H. HIRAMOTO
DATE 1988/10/14
CHECKED BY Y. YAMADA
DATE 1988/10/21
APPROVED BY M. ENOMOTO
DATE 1988/10/24
MATERIAL NO.
SEE CHART
SIZE C

SCALE 2:1
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION
NEW MINI. FIT CONNECTOR CRIMP PIN HOUSING
MOLEX INCORPORATED
SD-5559-NP
SHEET NO. 2 OF 2
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