

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0039012020](#)
Status: **Active**
Overview: [minifit_jr](#)
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Receptacle Housing, Dual Row, UL 94V-2, 2 Circuits

Documents:

[3D Model](#)
[Test Summary \(PDF\)](#)
[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 [5557](#)
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 [50361673](#)

MolexKits Yes
Overview [minifit_jr](#)
Product Name Mini-Fit Jr.™

Physical

Breakaway No
Circuits (maximum) 2
Color - Resin Natural
Flammability 94V-2
Gender Female
Glow-Wire Compliant No
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

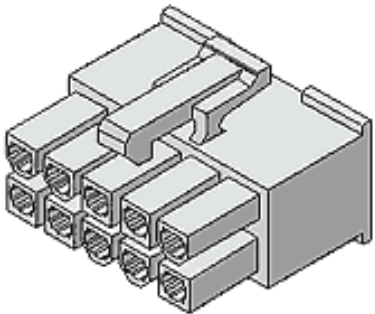
Current - Maximum per Contact 13A

Material Info

Old Part Number 5557-02R

Reference - Drawing Numbers

[Packaging Specification](#) SPK-5557-001
[Product Specification](#) PS-5556-001, RPS-5557-046



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.

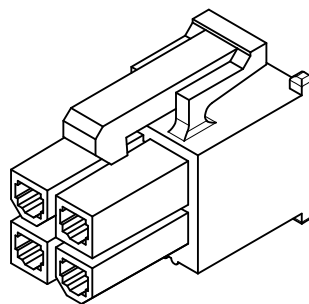
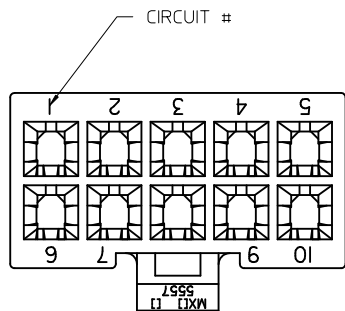
Search Parts in this Series
[5557Series](#)

Mates With
[5559d](#) , [5566vw](#) , [5566vwo](#) , [5569rdf](#) ,
[5569rdp](#) , [43810a](#) , [43810b](#) , [43810c](#) ,
[43810d](#) , [44068a](#) , [44068b](#) , [44068c](#) ,
[44068d](#) , [44281](#) , [44472dw](#) , [44472dwo](#) ,
[87427](#) , [87427r](#) , [87427rf](#) , [42404](#) , [44474](#) ,
[42440](#) , [43879](#) , [42475](#)

Use With
[5556](#) , [44476](#) , [44485](#) , [41995](#)

This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



4 CKT SHOWN

NOTES:

1) MATERIAL:

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

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

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

*"YE" = NYLON 6/6, 94V-2, COLOR: YELLOW

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

*"225" = NYLON (PA6), UL94V-0, COLOR: BLACK, IEC 60335-1, 4th EDITION
GLOW WIRE CAPABLE.

*"225N" = NYLON (PA6), UL94V-0, COLOR: WHITE, IEC 60335-1, 4th EDITION
GLOW WIRE CAPABLE.

*"400" = NYLON 6/6, 94V-0, COLOR: BLACK.

2) FINISH: NOT APPLICABLE

3) PRODUCT SPECIFICATION: PS-5556-001

4) PACKAGING: BULK

5) PART MATES WITH MOLEX PLUG #5559 AND HEADERS #5566, #5569.

6) PART TO BE USED WITH MOLEX FEMALE TERMINAL #5556.

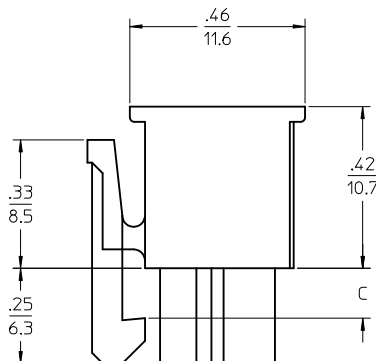
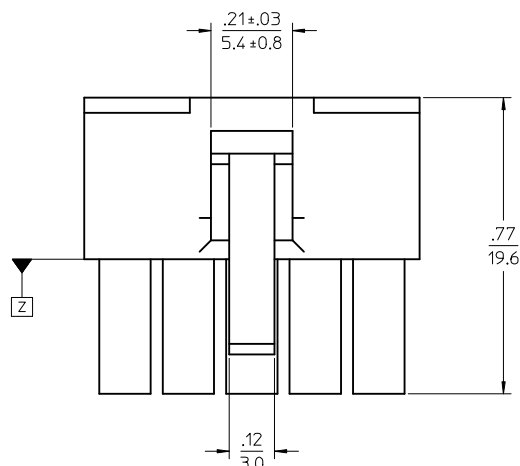
7) PART IS NOT DESIGNED FOR CURRENT SHARING.

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

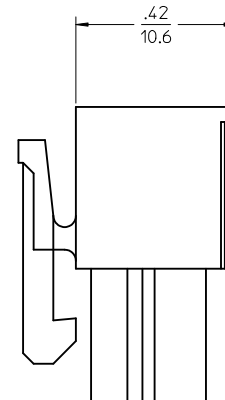
9) WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS
TO FLOAT FREELY IN THE POCKET.

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.

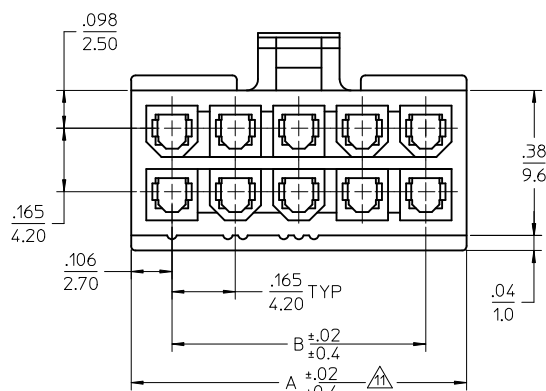
Δ 11 TO BE MEASURED AT SURFACE $\square$ Z



4-24 CKT

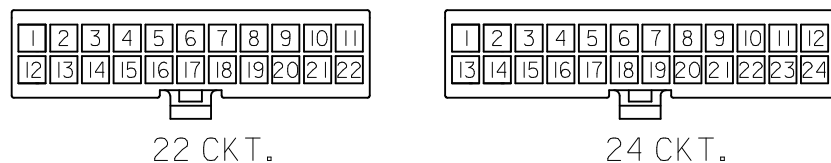
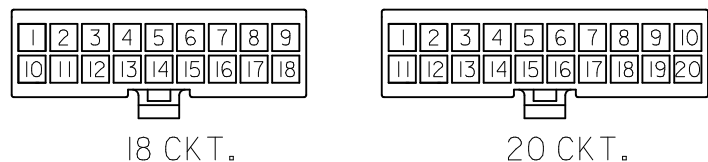
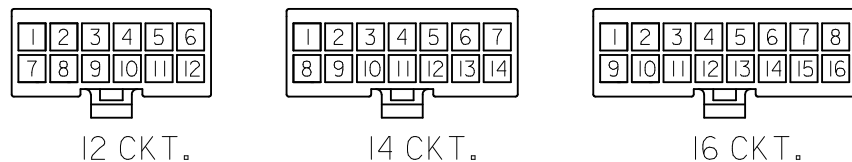
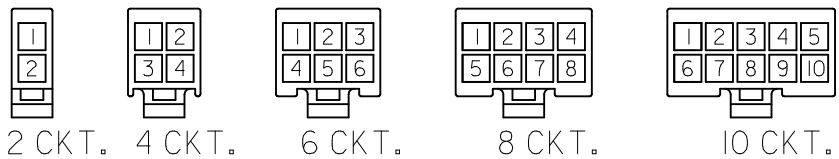


2 CKT ONLY



2.031/(51.6)	1.819/(46.2)		24
1.866/(47.4)	1.654/(42.0)		22
1.701/(43.2)	1.488/(37.8)	.142	20
1.535/(39.0)	1.323/(33.6)	(3.6)	18
1.370/(34.8)	1.157/(29.4)		16
1.205/(30.6)	0.992/(25.2)		14
1.039/(26.4)	0.827/(21.0)		12
0.874/(22.2)	0.661/(16.8)		10
0.709/(18.0)	0.496/(12.6)	.129	8
0.543/(13.8)	0.331/(8.4)	(3.3)	6
0.378/(9.6)	0.165/(4.2)		4
0.213/(5.4)	—		2
A	B	C	NO. OF CKTS.

MODIFIED ISO VIEW EC NO: UCP2010-2566 DRWN: JAGULAR 2010/04/05 CHKD: J.BELL 97/01/08 APPR: F.S.MITH 2010/04/14 REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	NEW MINI FIT CONN REC. HOUSING	
			mm	INCH	DRAWN BY S.MOCHIZUKI	DATE '90/02/22	TITLE MOLEX INCORPORATED				
			4 PLACES ± --	± ---	CHECKED BY M.FUKUSHIMA	DATE '97/01/08					
			3 PLACES ± --	± .010	APPROVED BY M.FUKUSHIMA	DATE '97/01/08					
			2 PLACES ± .25	± .015							
			1 PLACE ± 0.38	± ---							
			ANGULAR ± 3 °								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 2		DOCUMENT NO. SD-5557-003				SHEET NO. 1 OF 2
					SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						



CIRCUIT SIZE LAYOUT
(NOT TO SCALE)

LEGEND

5557-**R - *
CIRCUIT SIZE ————
RECEPTACLE ————
MATERIAL ————
(SEE NOTE 1)

V-0 GLOW WIRE (BLACK)				V-0 GLOW WIRE (WHITE)			
	50-36-1667	5557-24R-225	24	-	-	-	24
	26-01-3167	5557-22R-225	22	-	-	-	22
*	26-01-3166	5557-20R-225	20	-	-	-	20
	50-36-1668	5557-18R-225	18	-	-	-	18
	50-36-1669	5557-16R-225	16	-	-	-	16
	50-36-2293	5557-14R-225	14	-	-	-	14
	50-36-1674	5557-12R-225	12	-	-	-	12
	50-36-1671	5557-10R-225	10	-	-	-	10
	50-36-1713	5557-08R-225	8	-	-	-	8
	50-36-1672	5557-06R-225	6	-	-	-	6
	50-30-4461	5557-04R-225	4	50-36-2301	5557-04R-225N	4	4
	50-36-1673	5557-02R-225	2	-	-	-	2
	EDP. NO.	ENG. NO.	NO. OF CKTS.	EDP. NO.	ENG. NO.	NO. OF CKTS.	

V-0 (BLACK)				V-0 (NATURAL)			
*	39-03-9242	5557-24R-400	24	39-01-2245	5557-24R-210	24	24
*	39-03-9222	5557-22R-400	22	39-01-2225	5557-22R-210	22	22
*	39-03-9202	5557-20R-400	20	39-01-2205	5557-20R-210	20	20
*	39-03-9182	5557-18R-400	18	39-01-2185	5557-18R-210	18	18
*	39-03-9162	5557-16R-400	16	39-01-2165	5557-16R-210	16	16
*	39-03-9142	5557-14R-400	14	39-01-2145	5557-14R-210	14	14
*	39-03-9122	5557-12R-400	12	39-01-2125	5557-12R-210	12	12
*	39-03-9102	5557-10R-400	10	39-01-2105	5557-10R-210	10	10
*	39-03-9082	5557-08R-400	8	39-01-2085	5557-08R-210	8	8
*	39-03-9062	5557-06R-400	6	39-01-2065	5557-06R-210	6	6
	39-03-9042	5557-04R-400	4	39-01-2045	5557-04R-210	4	4
	39-03-9022	5557-02R-400	2	39-01-2025	5557-02R-210	2	2
	EDP. NO.	ENG. NO.	NO. OF CKTS.	EDP. NO.	ENG. NO.	NO. OF CKTS.	

* = CONSULT FACTORY FOR AVAILABILITY.

V-2 (YELLOW)				V-2 (RED)				V-2 (BLACK)				V-2 (NATURAL)			
			24	-	-	-	24	*	39-01-3245	5557-24R-BL	24	39-01-2240	5557-24R	24	24
			22	-	-	-	22		39-01-3225	5557-22R-BL	22	39-01-2220	5557-22R	22	22
			20	-	-	-	20	*	39-01-3205	5557-20R-BL	20	39-01-2200	5557-20R	20	20
			18	-	-	-	18	*	39-01-3185	5557-18R-BL	18	39-01-2180	5557-18R	18	18
			16	-	-	-	16	*	39-01-3165	5557-16R-BL	16	39-01-2160	5557-16R	16	16
			14	-	-	-	14		39-01-3145	5557-14R-BL	14	39-01-2140	5557-14R	14	14
			12	-	-	-	12		39-01-3125	5557-12R-BL	12	39-01-2120	5557-12R	12	12
			10	-	-	-	10		39-01-3105	5557-10R-BL	10	39-01-2100	5557-10R	10	10
			8	-	-	-	8		39-01-3085	5557-08R-BL	8	39-01-2080	5557-08R	8	8
*	39-02-8061	5557-06R-YE	6	-	-	-	6		39-01-3065	5557-06R-BL	6	39-01-2060	5557-06R	6	6
*	39-02-8041	5557-04R-YE	4	*	39-02-8040	5557-04R-RE	4		39-01-3045	5557-04R-BL	4	39-01-2040	5557-04R	4	4
*	39-02-8021	5557-02R-YE	2	-	-	-	2		39-01-3025	5557-02R-BL	2	39-01-2020	5557-02R	2	2
	EDP. NO.	ENG. NO.	NO. OF CKTS.		EDP. NO.	ENG. NO.	NO. OF CKTS.		EDP. NO.	ENG. NO.	NO. OF CKTS.		EDP. NO.	ENG. NO.	NO. OF CKTS.

MODIFIED CHARTS
EC NO: UCP2010-2566
DRAWN: JAGUILAR 2010/04/05
CHKD: J.BELL '97/01/08
APPR: F.S.MITH 2010/04/14

REV

DESCRIPTION

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES ±0.2 ± ---
3 PLACES ±0.3 ± ---
2 PLACES ±0.4 ± ---
1 PLACE ± --- ± ---
ANGULAR ± 3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY DATE
S.MOCHIZUKI '90/02/22

CHECKED BY DATE
M.FUKUSHIMA '97/01/08

APPROVED BY DATE
M.FUKUSHIMA '97/01/08

MATERIAL NO.

SEE CHART

SIZE

SCALE
1:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

NEW MINI FIT CONN
REC. HOUSING

MOLEX INCORPORATED

DOCUMENT NO.
SD-5557-003

SHEET NO.
2 OF 2

Id_frame_C.P.ME.T
Rev. E 2006/04/15