

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039013045

Status:

Active

Overview:

[minifit_jr](#)

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Receptacle Housing, Dual Row, PA Polyamide Nylon 6/6, UL 94V-2, 4 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.. See Molex product specification PS-5556-001 for additional current de-rating information.
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (maximum)	4
Color - Resin	Black
Flammability	94V-2
Gender	Female
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
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	5557-04R-BL
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Reference - Drawing Numbers

Packaging Specification	PK-5557-002
Product Specification	PS-5556-001
Sales Drawing	SD-5557-003

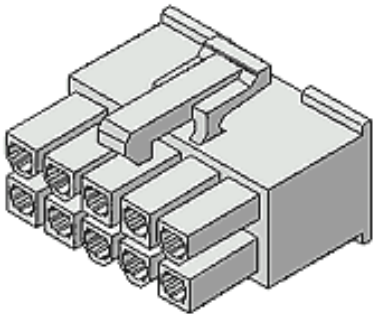


image - Reference only

Series

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

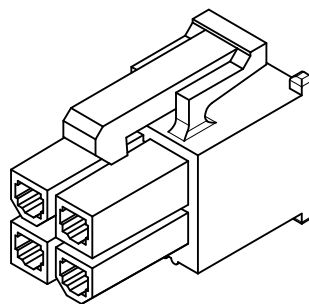
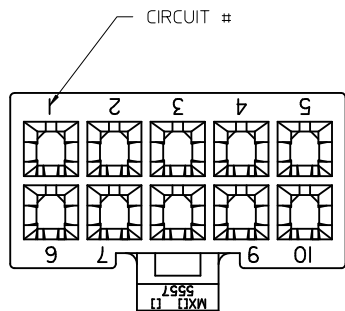
[5559](#) Crimp Housings, [5566](#) PCB Headers, [5569](#) PCB Headers, [43810](#) PCB Headers, [44068](#) PCB Headers, [44281](#) PCB Headers, [44472](#) PCB Headers, [87427](#) PCB Headers, [42404](#) PCB Headers, [44474](#) PCB Headers, [42440](#) PCB Headers

Use With

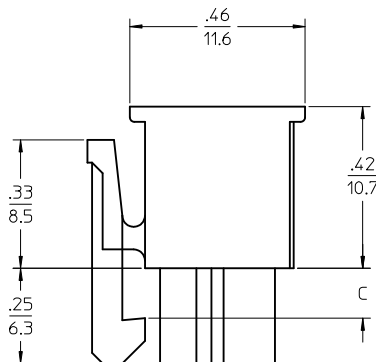
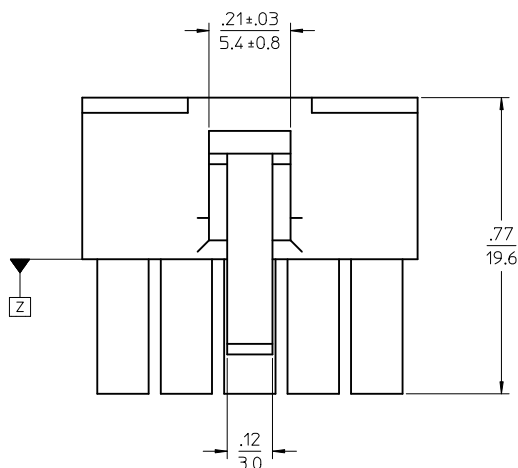
[5556](#) Female Terminal. [44476](#) Mini-Fit HCS™ Female Crimp Terminals. [44485](#) Crimp Terminal. [41995](#) Crimp Housing

This document was generated on 05/19/2010

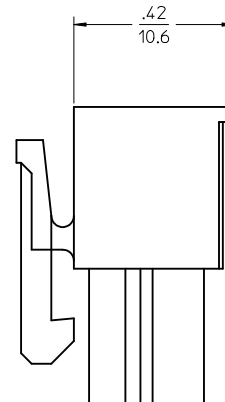
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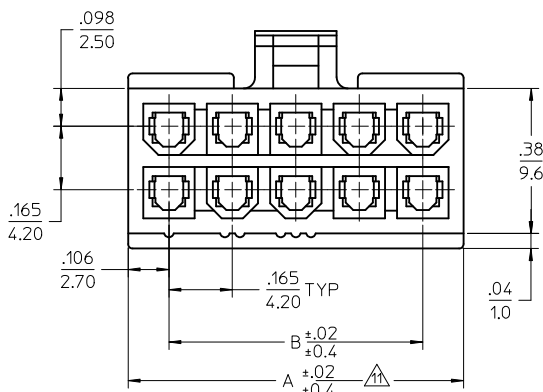
4 CKT SHOWN



4-24 CKT



2 CKT ONLY



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.

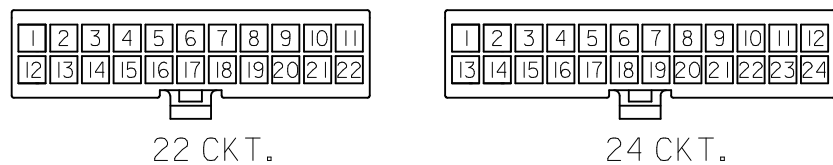
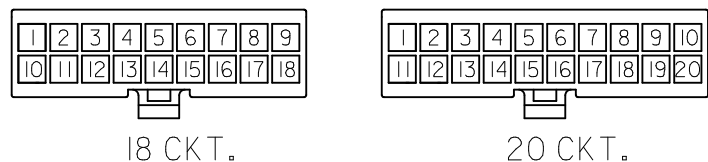
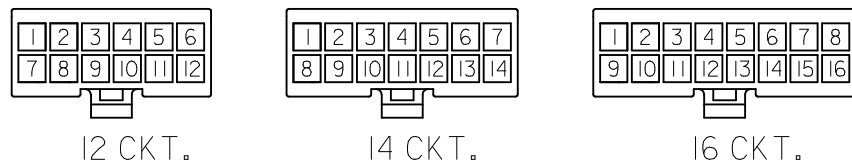
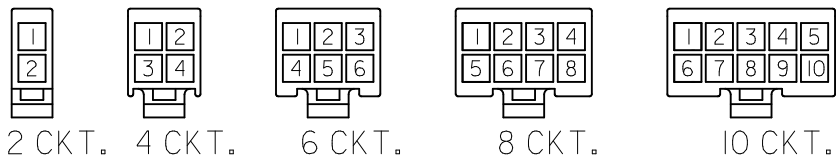
9) WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS TO FLOAT FREELY IN THE POCKET.

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.

△ TO BE MEASURED AT SURFACE Z

2.031/(51.6)	1.819/(46.2)		24
1.866/(47.4)	1.654/(42.0)	.142	22
1.701/(43.2)	1.488/(37.8)	(3.6)	20
1.535/(39.0)	1.323/(33.6)		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 J4	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
		▽=0			DRAWN BY S.MOCHIZUKI		DATE '90/02/22	NEW MINI FIT CONN REC. HOUSING		
		▽=0			CHECKED BY M.FUKUSHIMA		DATE '97/01/08			
				APPROVED BY M.FUKUSHIMA		DATE '97/01/08				
				MATERIAL NO.		DOCUMENT NO.	SHEET NO.			
				SEE SHEET 2		SD-5557-003				
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE		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
J4

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

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