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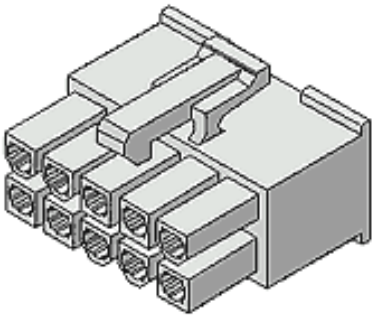
Part Number: 0039013085
Status: Active
Overview: minifit_jr
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Receptacle Housing, PA Polyamide Nylon 6/6, Dual Row, UL 94V-2, 8 Circuits



Series image - Reference only

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)	8
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

Material Info

Old Part Number	5557-08R-BL

Reference - Drawing Numbers

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

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

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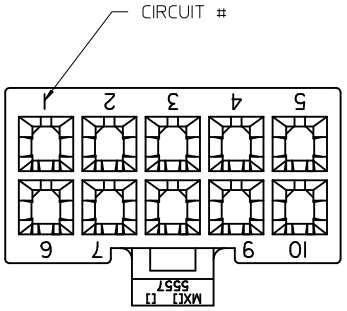
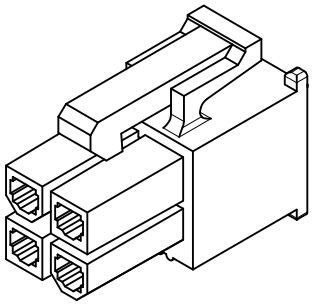


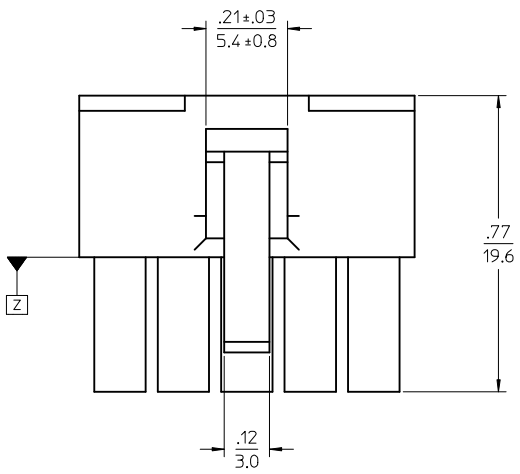


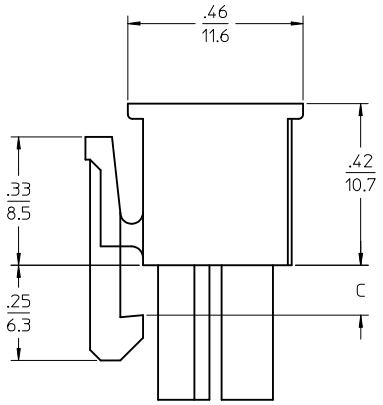
4 CKT SHOWN

NOTES:

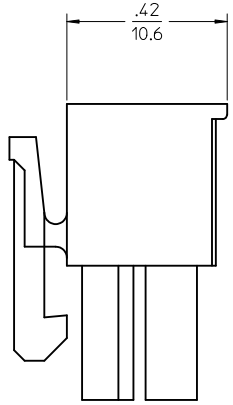
1) MATERIAL:
   "BLANK" = NYLON 6/6, 94V-2, COLOR: NATURAL.
   "BL" = NYLON 6/6, 94V-2, COLOR: BLACK.
   "RE"= NYLON 6/6, 94V-2, COLOR: RED.
   "YE"= NYLON 6/6, 94V-2, COLOR: YELLOW
   "210" = NYLON 6/6, 94V-0, COLOR: NATURAL.
   "225" = NYLON (PA6), UL94V-0, COLOR: BLACK, IEC 60335-1, 4th EDITION GLOW 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.

⚠11 TO BE MEASURED AT SURFACE Z

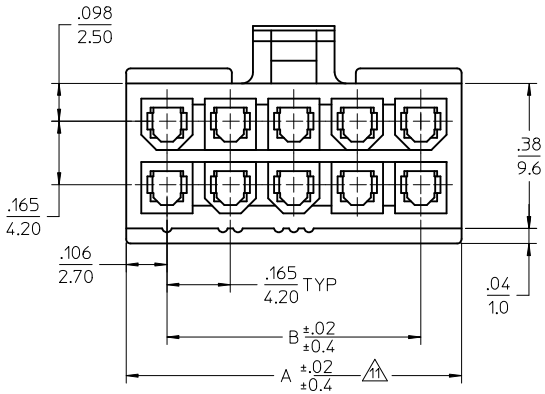




4-24 CKT



2 CKT ONLY



2.031/(51.6)	1.819/(46.2)	.142 (3.6)	24
1.866/(47.4)	1.654/(42.0)		22
1.701/(43.2)	1.488/(37.8)		20
1.535/(39.0)	1.323/(33.6)		18
1.370/(34.8)	1.157/(29.4)	.129 (3.3)	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)		8
0.543/(13.8)	0.331/(8.4)		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 2010/04/05
DRWN: JJAGUILAR 97/01/08
CHK'D: JBELL 2010/04/14
APPR: FSMITH
DESCRIPTION
REV
J4

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± --	± ---
3 PLACES	± --	± .010
2 PLACES	± .25	± .015
1 PLACE	± 0.38	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: IN/MM
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: S.MOCHIZUKI DATE: '90/02/22
CHECKED BY: M.FUKUSHIMA DATE: '97/01/08
APPROVED BY: M.FUKUSHIMA DATE: '97/01/08

TITLE: NEW MINI FIT CONN REC. HOUSING

molex MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 2
DOCUMENT NO.: SD-5557-003
SHEET NO.: 1 OF 2

SIZE: C

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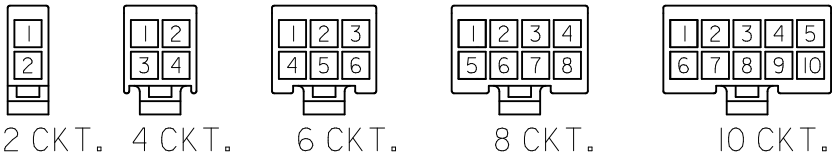

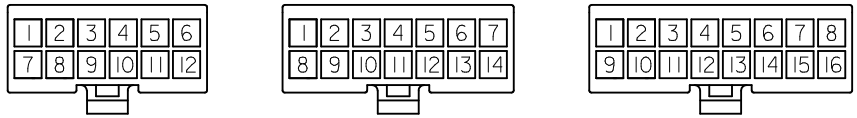

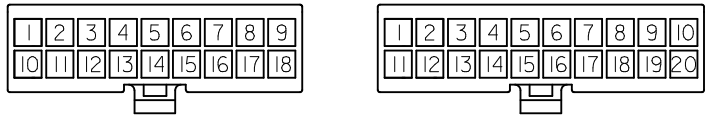

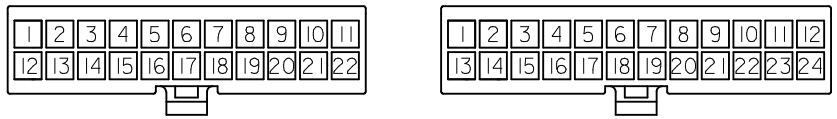

CIRCUIT SIZE LAYOUT

(NOT TO SCALE)

	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
	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
*	39-03-9222	5557-22R-400	22		39-01-2225	5557-22R-210	22
*	39-03-9202	5557-20R-400	20		39-01-2205	5557-20R-210	20
*	39-03-9182	5557-18R-400	18		39-01-2185	5557-18R-210	18
*	39-03-9162	5557-16R-400	16		39-01-2165	5557-16R-210	16
*	39-03-9142	5557-14R-400	14		39-01-2145	5557-14R-210	14
*	39-03-9122	5557-12R-400	12		39-01-2125	5557-12R-210	12
*	39-03-9102	5557-10R-400	10		39-01-2105	5557-10R-210	10
*	39-03-9082	5557-08R-400	8		39-01-2085	5557-08R-210	8
*	39-03-9062	5557-06R-400	6		39-01-2065	5557-06R-210	6
	39-03-9042	5557-04R-400	4		39-01-2045	5557-04R-210	4
	39-03-9022	5557-02R-400	2		39-01-2025	5557-02R-210	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
			22		-	-	22		39-01-3225	5557-22R-BL	22		39-01-2220	5557-22R	22
			20		-	-	20	*	39-01-3205	5557-20R-BL	20		39-01-2200	5557-20R	20
			18		-	-	18	*	39-01-3185	5557-18R-BL	18		39-01-2180	5557-18R	18
			16		-	-	16	*	39-01-3165	5557-16R-BL	16		39-01-2160	5557-16R	16
			14		-	-	14		39-01-3145	5557-14R-BL	14		39-01-2140	5557-14R	14
			12		-	-	12		39-01-3125	5557-12R-BL	12		39-01-2120	5557-12R	12
			10		-	-	10		39-01-3105	5557-10R-BL	10		39-01-2100	5557-10R	10
			8		-	-	8		39-01-3085	5557-08R-BL	8		39-01-2080	5557-08R	8
*	39-02-8061	5557-06R-YE	6		-	-	6		39-01-3065	5557-06R-BL	6		39-01-2060	5557-06R	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
*	39-02-8021	5557-02R-YE	2		-	-	2		39-01-3025	5557-02R-BL	2		39-01-2020	5557-02R	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.

LEGEND

5557-**R-*

- CIRCUIT SIZE
- RECEPTACLE
- MATERIAL (SEE NOTE 1)

MODIFED CHARTS
EC NO: UCP2010-2566 2010/04/05
DRWN: JJAGUILAR '97/01/08
CH'KD: JBELL
APPR: FSMITH 2010/04/14
DESCRIPTION
REV
J4

QUALITY SYMBOLS
▼=0
▽C=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
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

	DRAWN BY	DATE
	S.MOCHIZUKI	'90/02/22
CHECKED BY	M.FUKUSHIMA	'97/01/08
APPROVED BY	M.FUKUSHIMA	'97/01/08

TITLE: NEW MINI FIT CONN REC. HOUSING

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-5557-003
SHEET NO.: 2 OF 2
SIZE: C

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