

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039288160

Status:

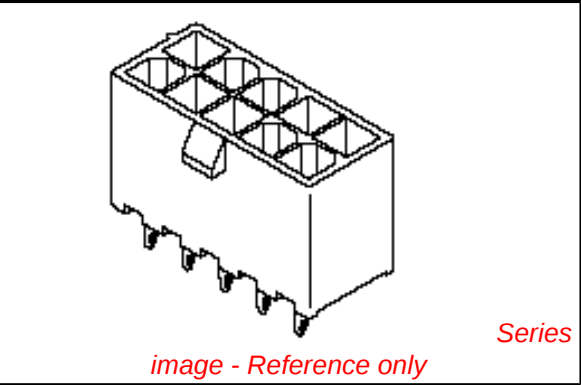
Active

Overview:

[minifit_jr](#)

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, 16 Circuits, PA Polyamide Nylon 6/6 94V-0, Tin (Sn) Plating, without Drain Holes



Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification	
CSA	LR19980
TUV	R72081037
UL	E29179
General	
Product Family	PCB Headers
Series	5566
Application	Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS™ Crimp Terminal Crimped to to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.. High Temperature, Square Pin, Solder Type
Overview	minifit_jr
Product Name	Mini-Fit Jr.™
Physical	
Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.138 In
PC Tail Length (mm)	3.50 mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

[5566Series](#)

Mates With

[5557](#) Mini-Fit Jr.™ Receptacle Housing

Pitch - Term. Interface (in)	0.165 In
Pitch - Term. Interface (mm)	4.20 mm
Plating min: Mating (µin)	35
Plating min: Mating (µm)	0.90
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	13A
Voltage - Maximum	600V

Material Info

Old Part Number	5566-16A-210
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Reference - Drawing Numbers

Packaging Specification	PK-5566, SPK-5566-002
Product Specification	RPS-5557-036, RPS-5557-058
Sales Drawing	SD-5566-002, SD-5566-NA**-*

This document was generated on 05/21/2010

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CIRCUIT SIZE	DIM. "A"	DIM. "B"
2	.21 (5.4)	—
4	.38 (9.6)	.17 (4.2)
6	.54 (13.8)	.33 (8.4)
8	.71 (18.0)	.50 (12.6)
10	.87 (22.2)	.66 (16.8)
12	1.04 (26.4)	.83 (21.0)
14	1.20 (30.6)	.99 (25.2)
16	1.37 (34.8)	1.16 (29.4)
18	1.54 (39.0)	1.32 (33.6)
20	1.70 (43.2)	1.49 (37.8)
22	1.87 (47.4)	1.65 (42.0)
24	2.03 (51.6)	1.82 (46.2)

LEGEND

BASE NUMBER 5566 - N * * * * *
 CIRCUIT SIZE
 ASS'Y TYPE
 A : WITHOUT DRAIN HOLES
 B : WITH DRAIN HOLES
 TERMINAL MATERIAL
 SEE NOTE 1
 TERMINAL PLATING
 SEE NOTE 2
 HOUSING MATERIAL
 SEE NOTE 1
 COLOR OR PACKAGING
 BL : BLACK RE : RED GR : GRAY
 BU : BLUE YE : YELLOW GRE : GREEN
 TA : TRAY PACKAGING SEE NOTE 4

NOTES:

1. MATERIALS:

HOUSING:

'BLANK'=NYLON 6/6, UL94V-2, COLOR: NATURAL

210=NYLON 6/6, UL94V-0, COLOR: NATURAL

400=NYLON 6/6, UL94V-0, COLOR: BLACK

TERMINALS:

BLANK = BRASS

PB = PHOSPHOR BRONZE

2. TERMINAL PLATING:

BLANK = BRIGHT TIN .000035/(0.00090) MIN.

OVER COPPER .000020/(0.00050) MIN. (BRASS)

TIN .000035/(0.00090) MIN. REFLOW TREATMENT

OR BRIGHT TIN .000035/(0.00090) MIN. (PHOSPHOR BRONZE)

S=.000100/(0.00254) MIN. BRIGHT TIN OVER

.000050/(0.00127) MIN. NICKEL

GS2=.000015/(0.00038) MIN. SELECT GOLD AND

.000100/(0.00254) MIN. SELECT MATTE TIN

OVER .000050/(0.00127) MIN. NICKEL OVERALL

GS=.000030/(0.00076) MIN. SELECT GOLD AND

.000100/(0.00254) MIN. SELECT MATTE TIN

OVER .000050/(0.00127) MIN. NICKEL OVERALL

3. PRODUCT SPECIFICATION: PS-5556-001

4. PACKAGING: *BLANK*= BULK PACKED, *TA*=TRAY PACK PER PK-5566-001

5. PART MATES WITH MINI-FIT JR. RECEPTACLE NO. 5557.

6. PART IS NOT DESIGNED FOR CURRENT SHARING.

7. PARTS ARE NOT DESIGNED TO BE MATED OR UN-MATED

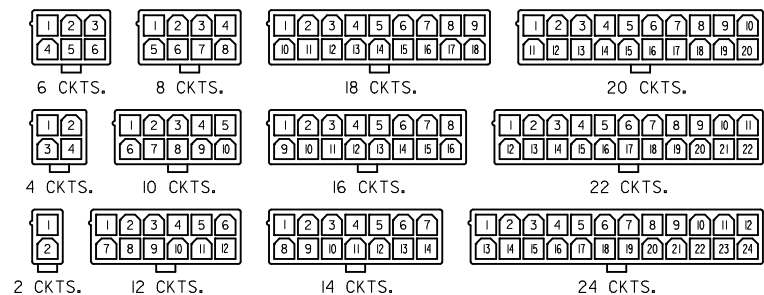
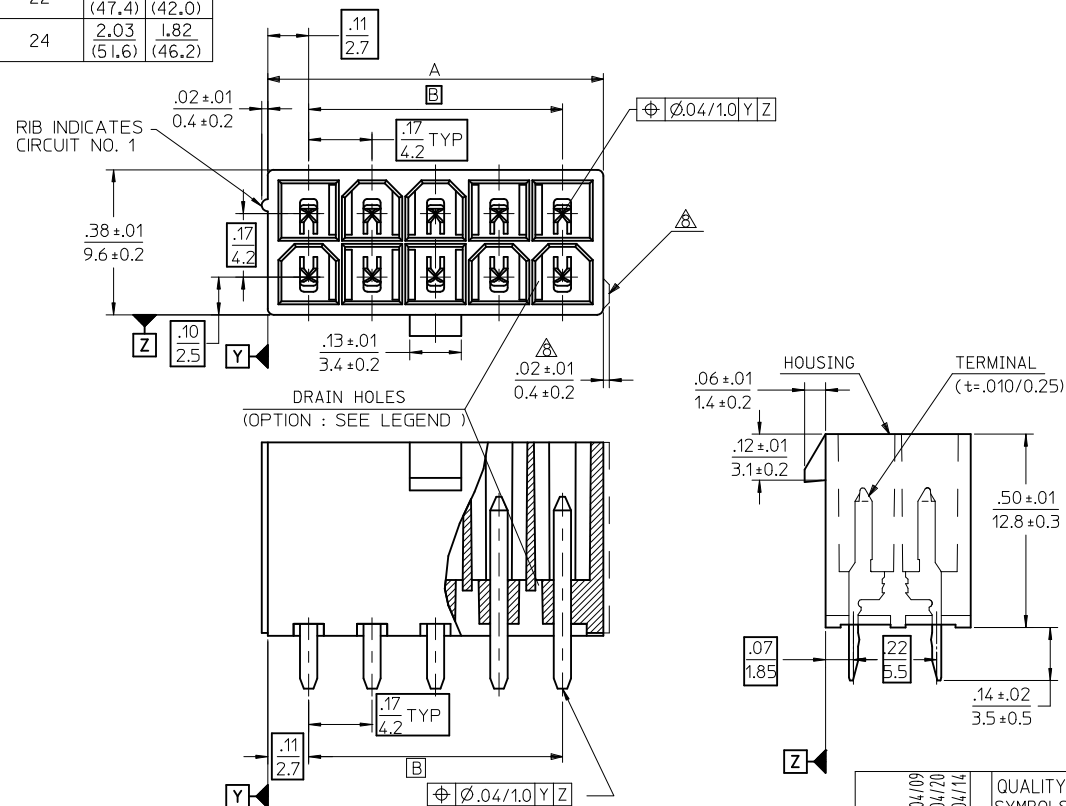
WHILE CIRCUITS ARE LIVE.

⚠ ANTI-SHINGLING RIB MAY OR MAY NOT APPEAR ON

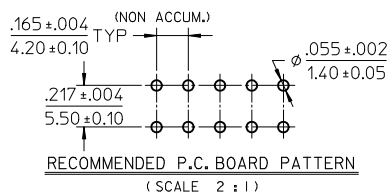
HOUSINGS.

9. PART CONFORMS TO CLASS "B" REQUIREMENTS OF

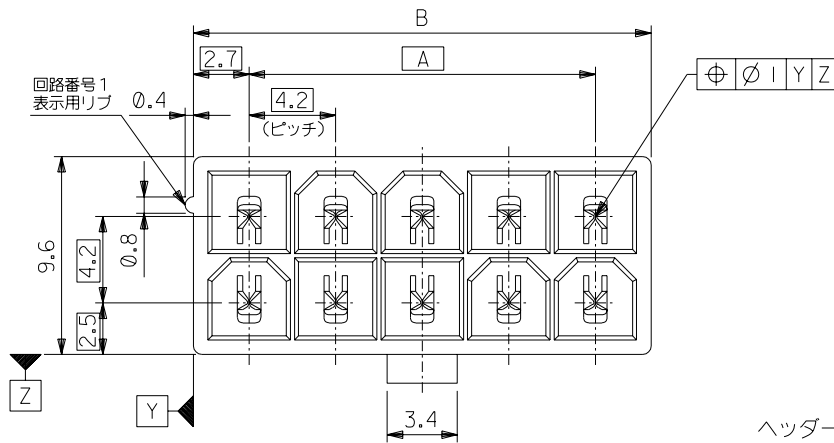
COSMETIC SPECIFICATION PS-45499-002.



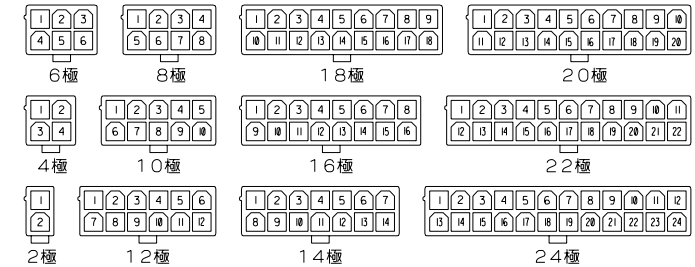
CIRCUIT SIZE LAYOUT



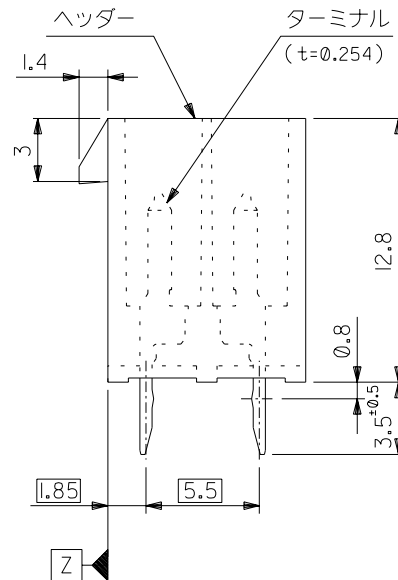
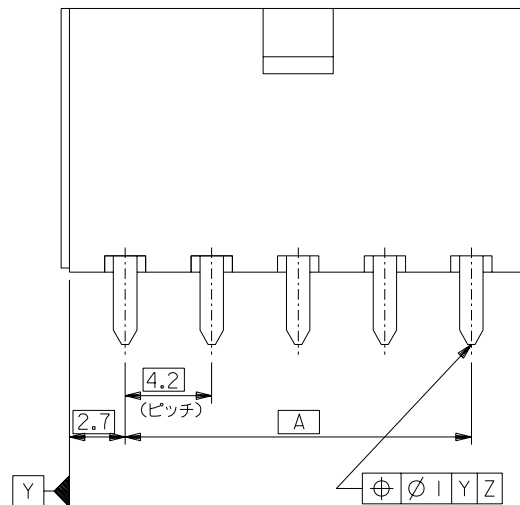
CORRECTED PN EC NO: UCP2010-2614 DRWN: JAGUILAR CHKD: J.BELL APPR: F.S.MITH 2010/04/09 '94/04/20 2010/04/14	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY H. HIRAMOTO	DATE '89/04/03	TITLE NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y -LEAD FREE-				
			4 PLACES	± .005	± .005	CHECKED BY M. FUKUSHIMA	DATE '94/04/20					
			3 PLACES	± .005	± .005	APPROVED BY M. FUKUSHIMA	DATE '94/04/20	MOLEX MOLEX INCORPORATED				
			2 PLACES	± .13	± .010	MATERIAL NO.	DOCUMENT NO.					
			1 PLACE	± .25	± .005	SEE TABLE		SD-5566-002		1 OF 6		
			ANGULAR ± 3°			SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									



51.6	46.2	24
47.4	42	22
43.2	37.8	20
39	33.6	18
34.8	29.4	16
30.6	25.2	14
26.4	21	12
22.2	16.8	10
18	12.6	8
13.8	8.4	6
9.6	4.2	4
5.4	—	2
寸法 B	寸法 A	極数



極数別レイアウト図
(SCALE 1:1)



注 記

1. 嵌合相手 : 5557シリーズ
2. 使用符号の説明

2. 使用符号の説明

ベースナンバー	5566	-	N	A	*	*	-	*
			↑	↑	↑	↑		↑

極數			
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アッセンブリー _____

ターミナル材料 _____

"BLANK": 黄銅	
SS: 青銅	

PB : リン青銅
S : 日本製鋼所 |

"PLANK" : 鋁メッキ 0.01mm MIN

GS : ニッケル 127 μ m MIN. 全面下地

コンタクト部 金 $0.76\mu\text{m}$ MIN.

半田付け部 錫 2.54μm MIN.

ヘッダー材料 _____

"BLANK": ナイロン 66, UL 94V-2

210 : ナイロン 66, UL 94V-0
100 : ナイロン 66, UL 84V-0 里

400 : フリロフ 66, DL 34V-0, 無

5566-NA

	3333 N7
	MODEL

[illegible]

MATERIAL MOLEX-JAPAN CO., LTD.
日本モレックス株式会社

		注記 2 参照	 日本テレビ放送網株式会社
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仕上げ EPOCH 注記 2 参照 EDP. NO.

FINISH		SHEET 2 OF 2 參照
M.N	適用電線範圍	

K.T.	07/3/20	WIRE RANGE ————— II —————	ENG. NO.	SHEET I OF
H.H.	1901/6/8			

H.H	30/0/0	被覆外径 INS. RANGE		SD-5566-NA***-
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Y.Y	30/3/1	DRAWN BY '89/5/1	CHK'D BY '91/10/29	TITLE 名称
DR.	目付	H. HIRAMOTO	MEIKUSHIMA	NEW MINI FIT CONNE

CHK. DATE	H. HIRAMOTO	M. FUKUSHIMA	NEW MINI FIT CONNECT
APP'D BY '91/10/29	尺度	1 = 1	HEADER ASS'Y - LEAD

AD SYSTEM	M.ENOMOTO	SCALE	4	1	HEADER	A35	1	LEAD	
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の所有する情報を含むもので 当社の許可なく複製を禁止する。

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

				材料 MATERIAL		 MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
				注記 2 参照		EDP. NO.	
				仕上げ FINISH 注記 2 参照		SHEET 2 OF 2 参照	
角度 ANGLE	±3°	F	変更 (J2004-4431)	M.N K.T	04/5/26	適用電線範囲 WIRE RANGE	— — — —
30 以上 OVER	±0.4 ±0.3	E	変更 (J00638)	H.H	00/6/8	被覆外径 INS. RANGE	— — — —
10 以上 OVER 30 未満 UNDER	±0.3 ±0.25	D	変更 & 再作図 (J00510)	H.H Y.Y	00/5/17		
10 未満 UNDER	±0.2	記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE	DRAWN BY '89/5/17 H.HIRAMOTO	CHK'D BY '91/10/29 M.FUKUSHIMA
一般公差 GENERAL TOLERANCES	REVISE ONLY ON CAD SYSTEM				APP'D BY '91/10/29 M.ENOMOTO	尺度 SCALE 4 - 1	TITLE 名称 NEW MINI FIT CONNECTOR HEADER ASS'Y -LEAD FREE-

[illegible]