

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039288040

Status:

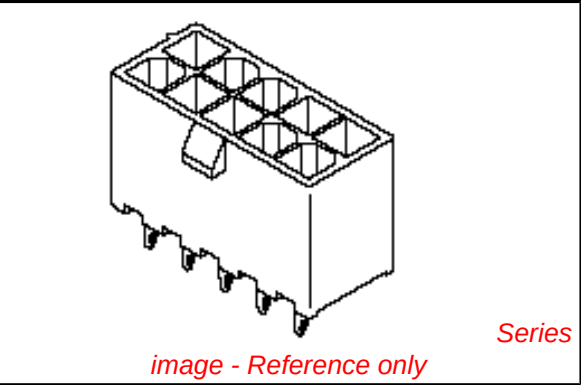
Active

Overview:

minifit_jr

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, 4 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.. Glow Wire Equivalent Part Number 50361884. Square Pin, Solder Type
Overview	minifit_jr
Product Name	Mini-Fit Jr.™
Physical	
Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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	5566-04A-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.

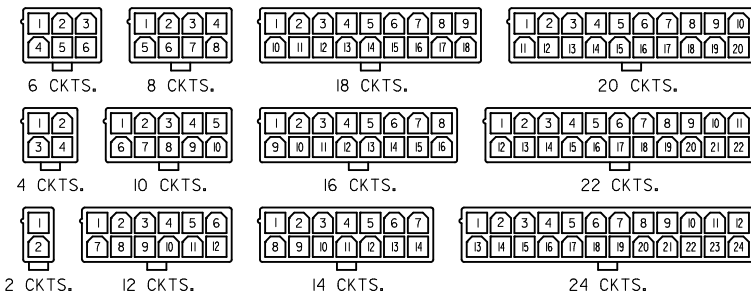
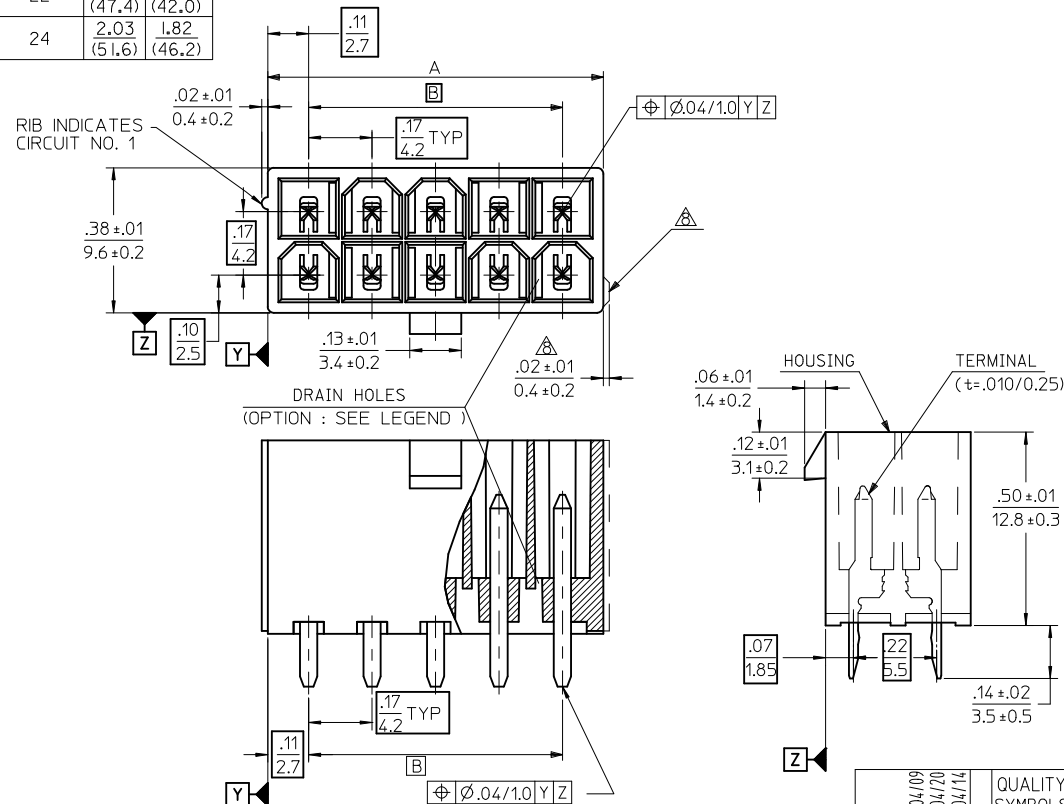
6. PART IS NOT DESIGNED FOR CURRENT SHARING.

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

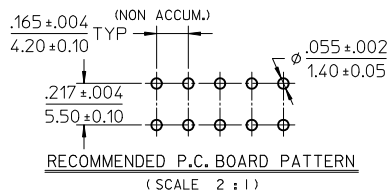
WHILE CIRCUITS ARE LIVE.

8. ANTI-SHINGLING RIB MAY OR MAY NOT APPEAR ON HOUSINGS.

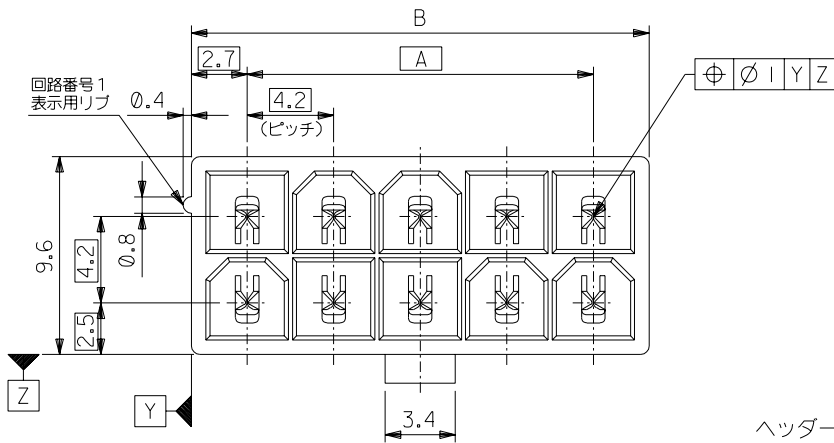
9. PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



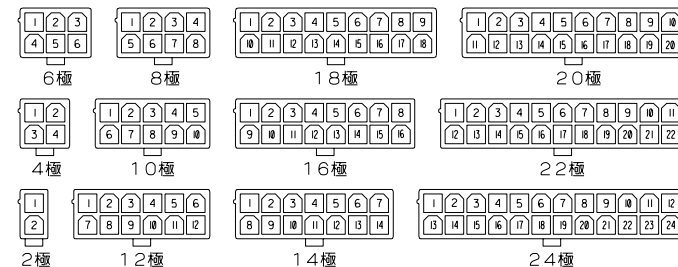
CIRCUIT SIZE LAYOUT



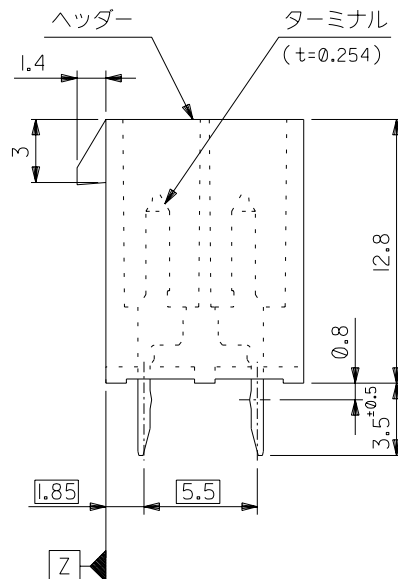
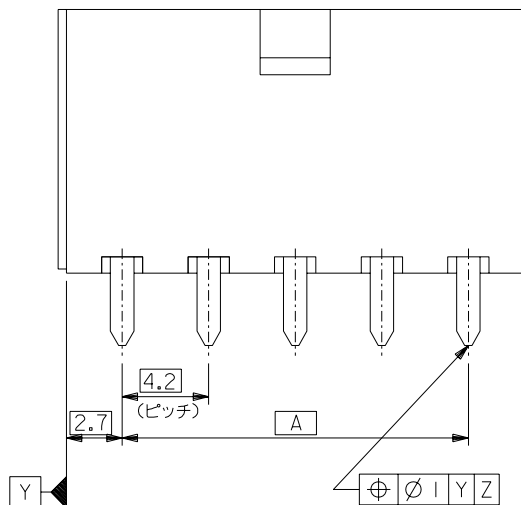
CORRECTED PN EC NO: UCP2010-2614 DRWN: JAGUILAR CHKD: J.BELL APPR: F.S.MITH REV L3	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY H. HIRAMOTO	DATE '89/04/03	TITLE NEW MINI FIT CONNECTOR HEADER HOUSING ASS'Y -LEAD FREE-	
			4 PLACES	± ---	± ---	CHECKED BY M. FUKUSHIMA	DATE '94/04/20		
			3 PLACES	± ---	± .005	APPROVED BY M. FUKUSHIMA	DATE '94/04/20		
			2 PLACES	± .13	± .010	MATERIAL NO. SEE TABLE			
			1 PLACE	± .25	± ---			DOCUMENT NO. SD-5566-002	
			ANGULAR ± 3 °		SHEET NO. 1 OF 6				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



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

ベースナンバー 5566 - N A * * - *

極数

アッセンブリー

ターミナル材料

"BLANK" : 黄銅

PB : リン青銅

ターミナルのメッキ

"BLANK" : 錫メッキ 0.9μm MIN.

GS : ニッケル 1.27μm MIN. 全面下地

コンタクト部 金 0.76μm MIN.

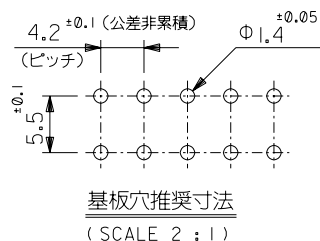
半田付け部 錫 2.54μm MIN.

ヘッダー材料

"BLANK" : ナイロン 66, UL 94V-2

210 : ナイロン 66, UL 94V-0

400 : ナイロン 66, UL 94V-0, 黒



						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. SHEET 2 OF 2 参照	
						仕上げ FINISH 注記 2 参照		ENG. NO. SHEET 1 OF 2 SD-5566-NA***	
角度 ANGLE	±3°	F	変更 (J2004-4431)	M.N. K.T.	04/5/26	適用電線範囲 WIRE RANGE	— —	REV. F	
30°以上 OVER	±0.4 ±0.3	E	変更 (J00638)	H.H.	06/6/18	被覆外径 INS. RANGE	— —	TITLE 名称 NEW MINI FIT CONNECTOR HEADER ASS'Y -LEAD FREE-	
10°以上 30°未満 OVER	±0.25 ±0.2	D	変更&再作図 (J00510)	H.H. Y.Y.	05/5/17	DRAWN BY '89/5/7 H.HIRAMOTO	CHK'D BY '91/10/29 M.FUKUSHIMA		
10°未満 UNDER	±0.2	記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE	APP'D BY '91/10/29 M.ENOMOTO	尺 度 SCALE 4 - 1		
一般公差 GENERAL TOLERANCES		REVISE ONLY ON CAD SYSTEM							

		8		7		6		5		4		3		2		1																			
ENC. NO SD-5566-NA**-*																39-35-0248		5566-24A-400		24															
																▲ -0228		▲ -22A-400		22															
																-0208		-20A-400		20															
																-0188		-18A-400		18															
																-0168		-16A-400		16															
																-0148		-14A-400		14															
																-0128		-12A-400		12															
																-0108		-10A-400		10															
																-0088		-08A-400		8															
																-0068		-06A-400		6															
																▼ -0048		▼ -04A-400		4															
																39-35-0028		5566-02A-400		2															
																EDP NO.		ENG. NO		極数															
																5566-NA-400																			
																EDP NO. 表 参照																39-29-5247		5566-24APB-210	
▲ -5227		▲ -22APB-210		▲ -6228		▲ -22AGS-210		▲ -8220		▲ -22A-210		22																							
-5207		-20APB-210		-6208		-20AGS-210		-8200		-20A-210		20																							
-5187		-18APB-210		-6188		-18AGS-210		-8180		-18A-210		18																							
-5167		-16APB-210		-6168		-16AGS-210		-8160		-16A-210		16																							
-5147		-14APB-210		-6148		-14AGS-210		-8140		-14A-210		14																							
-5127		-12APB-210		-6128		-12AGS-210		-8120		-12A-210		12																							
-5107		-10APB-210		-6108		-10AGS-210		-8100		-10A-210		10																							
-5087		-08APB-210		-6088		-08AGS-210		-8080		-08A-210		8																							
▼ -5067		▼ -06APB-210		▼ -6068		▼ -06AGS-210		▼ -8060		▼ -06A-210		6																							
▼ -5047		▼ -04APB-210		▼ -6048		▼ -04AGS-210		▼ -8040		▼ -04A-210		4																							
39-29-5027		5566-02APB-210		39-29-6028		5566-02AGS-210		39-28-8020		5566-02A-210		2																							
EDP NO.		ENG. NO		EDP NO.		ENG. NO		EDP NO.		ENG. NO		極数																							
5566-NAPB-210				5566-NAGS-210				5566-NA-210																											
:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING																																39-29-5246		5566-24APB	
																▲ -5226		▲ -22APB		▲ -0223		▲ -22AGS		▲ -1223		▲ -22A		22							
																-5206		-20APB		-0203		-20AGS		-1203		-20A		20							
																-5186		-18APB		-0183		-18AGS		-1183		-18A		18							
																-5166		-16APB		-0163		-16AGS		-1163		-16A		16							
																-5146		-14APB		-0143		-14AGS		-1143		-14A		14							
																-5126		-12APB		-0123		-12AGS		-1123		-12A		12							
																-5106		-10APB		-0103		-10AGS		-1103		-10A		10							
																-5086		-08APB		-0083		-08AGS		-1083		-08A		8							
																-5066		-06APB		-0063		-06AGS		-1063		-06A		6							
																▼ -5046		▼ -04APB		▼ -0043		▼ -04AGS		▼ -1043		▼ -04A		4							
																39-29-5026		5566-02APB		39-29-0023		5566-02AGS		39-28-1023		5566-02A		2							
																EDP NO.		ENG. NO		EDP NO.		ENG. NO		EDP NO.		ENG. NO		極数							
																5566-NAPB				5566-NAGS				5566-NA											
																																材料 MATERIAL		注記 2 参照	
仕上げ FINISH		注記 2 参照		適用電線範囲 WIRE RANGE		被覆外径 INS. RANGE		EDP. NO.		表 参照																									
角度 ANGLE		±3°		F		SEE SHEET 1 OF 2		M.N K.T		'04/5/26		DRAWN BY '90/5/7 H.HIRAMOTO		CHK'D BY '91/10/29 M.FUKUSHIMA																		TITLE 名称 NEW MINI FIT CONNECTOR HEADER ASS'Y -LEAD FREE-			
		30 以上 OVER		±0.3		E		SEE SHEET 1 OF 2		H.H Y.Y																								'90/6/8	
10 以上 30 未満 OVER UNDER		±0.25		D		SEE SHEET 1 OF 2		H.H Y.Y		'90/5/7																									
10 未満 UNDER		±0.2		記号 LTR		変更内容 REVISION RECORD		DR. CHK.		日付 DATE		APP'D BY '91/10/29 M.ENOMOTO		尺度 SCALE																					
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