

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039281063

Status:

Active

Overview:

[minifit_jr](#)

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, 6 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, without Drain Holes

Documents:

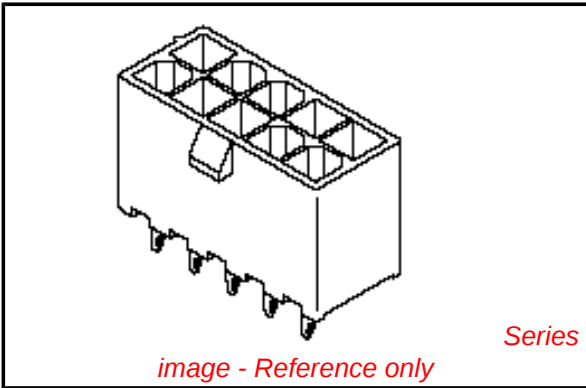
[3D Model](#)

[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 50361697. Square Pin, Solder Type
MolexKits	Yes
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical	
Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
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



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 - Mating Interface (mm)	4.20 mm
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	5566-06A
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Reference - Drawing Numbers

Packaging Specification	PK-5566, SPK-5566-002
Product Specification	RPS-5557-028, RPS-5557-029
Sales Drawing	SD-5566-002, SD-5566-NA**-*

This document was generated on 06/08/2010

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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.

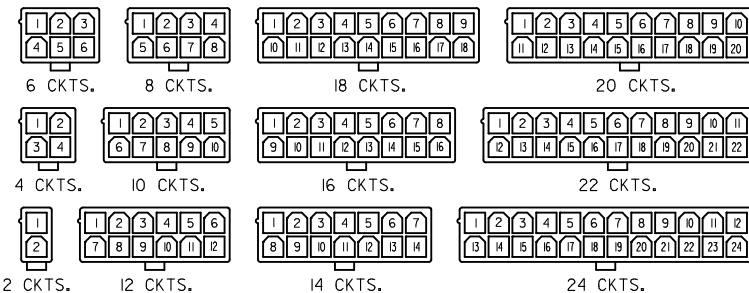
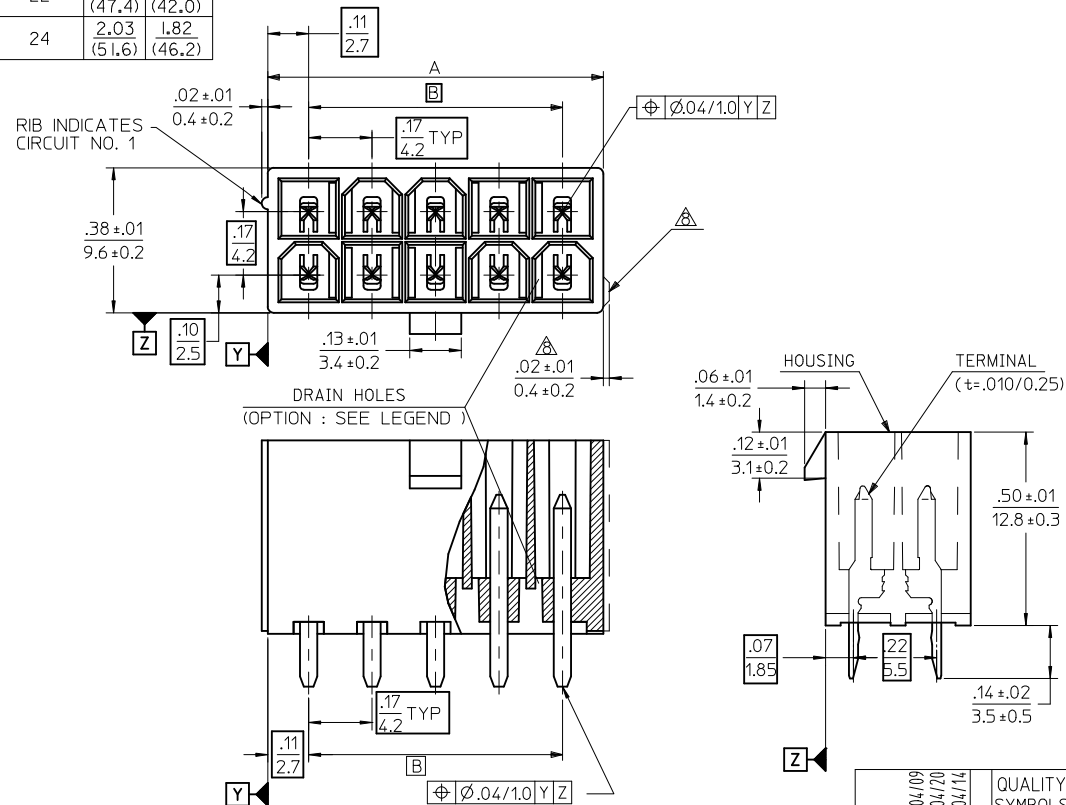
6. PART IS NOT DESIGNED FOR CURRENT SHARING.

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

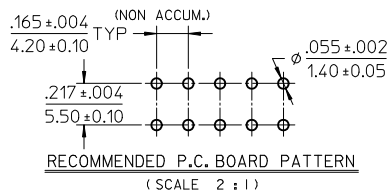
WHILE CIRCUITS ARE LIVE.

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

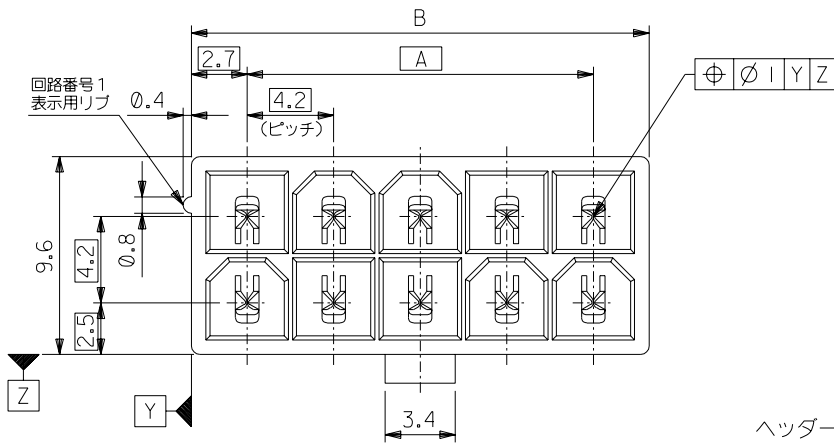
9. PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



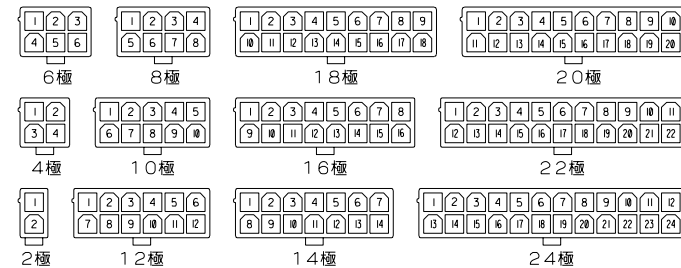
CIRCUIT SIZE LAYOUT



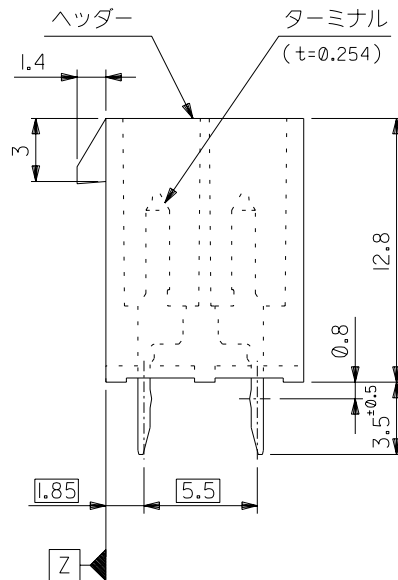
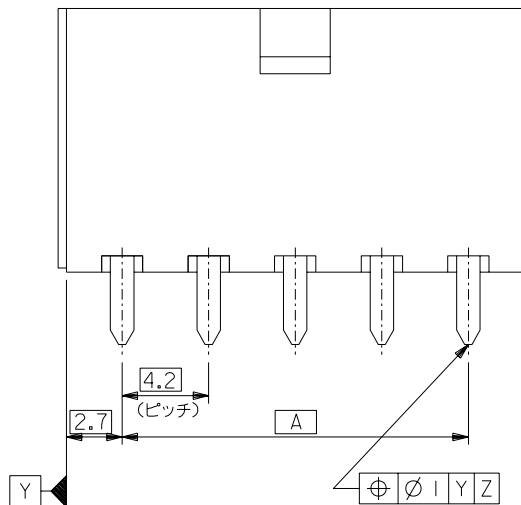
CORRECTED PN EC NO: UCP2010-2614 DRWN: JAGUILAR CHKD: J.BELL APPR: F.S.MITH 2010/04/09 '94/04/20 2010/04/14	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY H. HIRAMOTO	DATE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



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



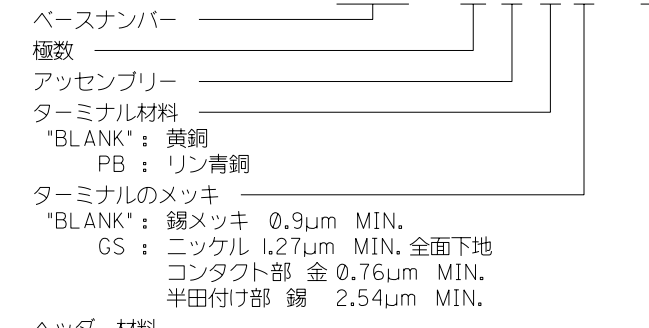
極数別レイアウト図
(SCALE 1:1)



注 記

1. 嵌合相手 : 5557シリーズ

2. 使用符号の説明

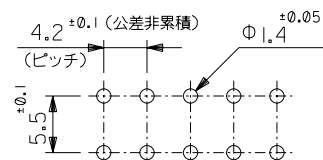


ベースナンバー
極数
アッセンブリー
ターミナル材料
"BLANK" : 黄銅
PB : リン青銅
ターミナルのメッキ
"BLANK" : 錫メッキ 0.9μm MIN.
GS : ニッケル 1.27μm MIN. 全面下地
コンタクト部 金 0.76μm MIN.
半田付け部 錫 2.54μm MIN.

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

5566-NA***
MODEL NO.



基板穴推奨寸法
(SCALE 2:1)

				材料 MATERIAL		注記 2 参照		MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
				仕上げ FINISH		注記 2 参照		EDP. NO. SHEET 2 OF 2 参照	
角度 ANGLE		±3°	F	変更 (J2004-4431)		適用電線範囲 WIRE RANGE		ENG. NO. SHEET 1 OF 2 REV SD-5566-NA*** F	
30 以上 OVER		±0.4 ±0.3	E	変更 (J00638)		被覆外径 INS. RANGE			
10 以上 OVER 30 未満 UNDER		±0.25 ±0.2	D	変更 & 再作図 (J00510)		DRAWN BY '89/5/7 H.HIRAMOTO		TITLE 名称 NEW MINI FIT CONNECTOR	
10 未満 UNDER		±0.2	記号 LTR	変更内容 REVISION RECORD		CHK'D BY '91/10/29 M.FUKUSHIMA		HEADER ASS'Y -LEAD FREE-	
一般公差 GENERAL TOLERANCES				REVISION RECORD		APP'D BY '91/10/29 M.ENOMOTO		尺 度 SCALE 4 - 1	
REVISE ONLY ON CAD SYSTEM				DR. CHK. 日付 DATE					

ENC. NO
SD-5566-NA**-*

EDP NO.
表 参照

8

7

6

5

4

3

2

1

39-35-0248

▲ -0228

-0208

-0188

-0168

-0148

-0128

-0108

-0088

-0068

▼ -0048

39-35-0028

EDP NO.

5566-24A-400

▲ -22A-400

-20A-400

-18A-400

-16A-400

-14A-400

-12A-400

-10A-400

-08A-400

-06A-400

▼ -04A-400

5566-02A-400

ENG. NO

24

22

20

18

16

14

12

10

8

6

4

2

極数

39-29-5247

▲ -5227

-5207

-5187

-5167

-5147

-5127

-5107

-5087

-5067

▼ -5047

39-29-5027

EDP NO.

5566-24APB-210

▲ -22APB-210

-20APB-210

-18APB-210

-16APB-210

-14APB-210

-12APB-210

-10APB-210

-08APB-210

-06APB-210

▼ -04APB-210

5566-02APB-210

ENG. NO

39-29-6248

▲ -6228

-6208

-6188

-6168

-6148

-6128

-6108

-6088

-6068

▼ -6048

39-29-6028

EDP NO.

5566-24AGS-210

▲ -22AGS-210

-20AGS-210

-18AGS-210

-16AGS-210

-14AGS-210

-12AGS-210

-10AGS-210

-08AGS-210

-06AGS-210

▼ -04AGS-210

5566-02AGS-210

ENG. NO

39-28-8240

▲ -8220

-8200

-8180

-8160

-8140

-8120

-8100

-8080

-8060

▼ -8040

39-28-8020

EDP NO.

5566-24A-210

▲ -22A-210

-20A-210

-18A-210

-16A-210

-14A-210

-12A-210

-10A-210

-08A-210

-06A-210

▼ -04A-210

5566-02A-210

ENG. NO

24

22

20

18

16

14

12

10

8

6

4

2

極数

39-29-5246

▲ -5226

-5206

-5186

-5166

-5146

-5126

-5106

-5086

-5066

▼ -5046

39-29-5026

EDP NO.

5566-24APB

▲ -22APB

-20APB

-18APB

-16APB

-14APB

-12APB

-10APB

-08APB

-06APB

▼ -04APB

5566-02APB

ENG. NO

39-29-0243

▲ -0223

-0203

-0183

-0163

-0143

-0123

-0103

-0083

-0063

▼ -0043

39-29-0023

EDP NO.

5566-24AGS

▲ -22AGS

-20AGS

-18AGS

-16AGS

-14AGS

-12AGS

-10AGS

-08AGS

-06AGS

▼ -04AGS

5566-02AGS

ENG. NO

39-28-1243

▲ -1223

-1203

-1183

-1163

-1143

-1123

-1103

-1083

-1063

▼ -1043

39-28-1023

EDP NO.

5566-24A

▲ -22A

-20A

-18A

-16A

-14A

-12A

-10A

-08A

-06A

▼ -04A

5566-02A

ENG. NO

24

22

20

18

16

14

12

10

8

6

4

2

極数

5566-NA**-*

MODEL NO.

角度 ANGLE

30 以上 OVER

10 以上 OVER 30 未満 UNDER

10 未満 UNDER

一般公差 GENERAL TOLERANCES

±3°

±0.3

±0.25

±0.2

F

E

D

記号 LTR

SEE SHEET 1 OF 2

SEE SHEET 1 OF 2

SEE SHEET 1 OF 2

変更内容 REVISION RECORD

M.N K.T

H.H Y.Y

DR. CHK.

日付 DATE

'04/5/26

'90/6/8

'90/5/7

'91/10/29

材料 MATERIAL

仕上げ FINISH

適用電線範囲 WIRE RANGE

被覆外径 INS. RANGE

DRAWN BY '90/5/7 H.HIRAMOTO

CHK'D BY '91/10/29 M.FUKUSHIMA

APP'D BY '91/10/29 M.ENOMOTO

注記 2 参照

注記 2 参照

—H—

—H—

尺度 SCALE

MOLEX-JAPAN CO.,LTD.
日本モレックス株式会社

EDP. NO. 表 参照

ENG. NO. SHEET 2 OF 2
SD-5566-NA**-*

TITLE 名称
NEW MINI FIT CONNECTOR
HEADER ASS'Y -LEAD FREE-

REVISE ONLY ON CAD SYSTEM

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MXJ-8

23C-952C

5566-S2C