



产品编号：39300060

系列号：5569

Product Category：PCB Headers and Receptacles

Product Description：Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 6 Circuits, PA Polyamide Nylon 6/6 94V-0, 2.54µm Matte Tin (Sn) Plating

状态：Active

工程编号：5569-06A2-210

文件和资源

图纸

图纸 039300060\_sd.pdf

3D 模型和设计文件

3D模型 039300060\_stp.zip

符号足迹数据 SYM-39-30-1060-001.zip

规格

应用规格 AS-5557-001-001.pdf

包装规格 PK-5569-002-001.pdf


产品规格 PS-45750-001-001.pdf

产品规格 PS-5556-001-001.pdf

测试摘要 TS-5556-002-001.pdf

产物环境合规

合规

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

欧盟 RoHS 合格证书

产品详情

常规

状态	活动
类别	PCB Headers and Receptacles
系列	5569
说明	Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 6 Circuits, PA Polyamide Nylon 6/6 94V-0, 2.54µm Matte Tin (Sn) Plating
应用	Power, Wire-to-Board
个评论	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire. See Molex Product specification PS-5556-001 for additional current de-rating information.
元件类型	PCB Header
产品系列	Mini-Fit Family Power Connectors
产品名称	Mini-Fit Jr.
UPC	800753580060

机构

CSA	LR19980
UL	E29179

电气

每触点最大电流	13. 0A
电压 - 最大	600V

物理

断开	否
回路数（已载入）	6
电路数（最多）	6
颜色-树脂	Natural
耐用性(插拔次数) – 最多次数	30
先接后断	否
阻燃性	94V-0
符合灼热丝规范	否
可配插产品指南	否
插接极性	无
锁定插接部位	是
材料 – 金属	Brass
材料 – 接合部位电镀	Matte Tin
材料 – 终端电镀	Matte Tin
材料 – 树脂	Nylon
净重	2.286/g
行数	2
方向	Right Angle
包装形式	Bag
PCB 定位器	是
PCB 保持力	是
推荐的 PCB 厚度	1.78mm
间距 – 插配接口	4.20mm
间距 – 终端界面	4.20mm
最薄镀层 – 接合部位	2.540μm
最薄镀层 – 端接	2.540μm
有极性的插配件	是
PCB 极性	是
有护墙的	Fully
可堆叠的	否
运行温度范围	-40° to +105° C
终端界面类型	Through Hole

## 进程

最长持续时间	5
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无铅	WAVE
最大周期	1
最高温度	240

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可配插/可连接使用的产品

可配插部件

描述	产品编号
Mini-Fit Jr. Receptacle Housings	<u>5557</u>
Mini-Fit TPA2-to-Mini-Fit TPA2 Off-the-Shelf (OTS) Cable Assemblies	<u>45135</u>
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings	<u>172708</u>
Mini-Fit Jr.-to-Mini-Fit Jr. Off- the-Shelf (OTS) Overmolded Cable Assemblies	<u>245135</u>

12 11 10 9 8 7 6 5 4 3 2 1

LEGEND:

5569 - N A \* \* - - - \*

BASE NUMBER

CIRCUIT SIZE

ASSEMBLY

MOUNTING OPTION  
(SEE NOTE 6.)

PLATING  
(SEE NOTE 2.)

HOUSING MAT'L.  
(SEE NOTE 1.)

PACKAGING  
(SEE NOTE 4.)

CIRCUIT SIZE

DIM. "A"

DIM. "B"

6 8 10 12 14 16 18 20 22 24

.54  
(13.8)

.71  
(18.0)

.87  
(22.2)

1.04  
(26.4)

1.20  
(30.6)

1.37  
(34.8)

1.54  
(39.0)

1.70  
(43.2)

1.87  
(47.4)

2.03  
(51.6)

.33  
(8.4)

.50  
(12.6)

.66  
(16.8)

.83  
(21.0)

.99  
(25.2)

1.16  
(29.4)

1.32  
(33.6)

1.49  
(37.8)

1.65  
(42.0)

1.82  
(46.2)

RIB MAY BE PRESENT

SEE NOTE 11

.50  
(12.8)

.11  
(2.9)

.14±.030  
(3.6±.76)

.26  
(6.6)

.042  
(1.07) REF.

.217±.015  
(5.50±.38)

DIMENSIONS TYPICAL FOR ALL CIRCUITS SIZES

APPLIES TO ALL CIRCUIT SIZES

4 PLACES

NOTES:

1) MATERIAL:

HOUSING:

"BLANK" = NYLON (PA66), LOW HALOGEN, UNFILLED, UL94V-2, COLOR: NATURAL

"BL" = NYLON (PA66), LOW HALOGEN, UNFILLED, UL94V-2, COLOR: BLACK

"210" = NYLON (PA66), LOW HALOGEN, UNFILLED, UL94V-0, COLOR: NATURAL

"400" = NYLON (PA66), LOW HALOGEN, UNFILLED, UL94V-0, COLOR: BLACK

TERMINAL:

BRASS ALLOY

2) FINISH (PLATING):

G, GS = .000030/(0.00076) MIN. SELECT GOLD OVER .000100/(0.00254) MIN. SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

GS2 = .000015/(0.00038) MIN. SELECT GOLD OVER .000100/(0.00254) MIN. SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

GS3 = .000050/(0.00127) MIN. SELECT GOLD OVER .000100/(0.00254) MIN. SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

BLANK, S, MS = .000100/(0.00254) MIN. MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

RM = .000060/(0.00152) MIN. REFLOWED MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

3) PRODUCT SPECIFICATION: PS-5556-001

4) PACKAGING:

"BLANK" = BULK PACKED PER PK-5569-002 (NOT RECOMMENDED DUE TO SHIPPING AND HANDLING DAMAGE).

"T" = TRAY PACKED PER PK-5569-003 (RECOMMENDED FOR NEW APPLICATIONS)

5) PART MATES WITH MINI-FIT JR. RECEPTACLE SERIES 5557.

6) MOUNTING OPTIONS:

1 = SCREW MOUNT (SEE SD-5569-NA\* SERIES DRAWING)

2 = PEG MOUNT

7) DISCOLORATION IN THE BANDOLIER CARRIER AREA OF THE PIN IS INHERENT TO THE PLATING PROCESS AND IS DUE TO THE MASKING EFFECT OF THE CARRIER. THIS DISCOLORATION IS IN A NON-FUNCTIONAL AREA OF THE PIN AND WILL NOT AFFECT THE PERFORMANCE OF THE HEADER ASSEMBLY.

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

9) CONNECTORS ARE NOT TO BE MATED AND UNMATED WHILE CIRCUITS ARE LIVE.

10) PARTS ARE NOT DESIGNED FOR CURRENT SHARING.

11) FORMING MARKS ON PINS ARE ACCEPTABLE.

12) CORNER CORE-OUTS ARE OPTIONAL AND MAY OR MAY NOT BE PRESENT.

LAST CKT.

"A"

"B" REF.

.114  
3.40  
REF

.042  
(1.07) REF.

CKT. #2

CKT. #1

5569-\*A2\*-\*

.165±.004  
(4.20±.10) NON-ACCUM.

.071±.002  
(1.80±.05) DIA.

CKT. #6

CKT. #1

.118±.002  
(3.00±.05) DIA.

±.004  
(±.10)

"B"

RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD VIEWED FROM COMPONENT SIDE

DIMENSIONS IN THIS VIEW ARE TYPICAL FOR CIRCUIT SIZES 6 THRU 24

.38  
(9.6)

.165  
(4.20) REF.

CKT. #3

CKT. #1

5569-04A2\*-\*

.165±.004  
(4.20±.10)

.071±.002  
(1.80±.05) DIA.

CKT. #3

CKT. #1

.118±.002  
(3.00±.05) DIA.

.083±.003  
(2.10±.08)

RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD VIEWED FROM COMPONENT SIDE

.21  
(5.4)

.38  
(9.6)

.10  
(2.5)

.165  
(4.20) REF.

.070  
(1.78)

.016  
(.40)

CKT. #1

5569-02A2\*-\*

.217±.004  
(5.50±.10)

.071±.002  
(1.80±.05) DIA.

CKT. #1

.287±.003  
(7.30±.08)

.118±.002  
(3.00±.05) DIA.

RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD VIEWED FROM COMPONENT SIDE

THIS DRAWING REPLACES DRAWING SDA-5569-NA2\*-\*

SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

SCALE

IN/MM

4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

MM

INCH

4 PLACES ±

3 PLACES ±

2 PLACES ±

1 PLACE ±

0 PLACES ±

ANGULAR TOL ± 0.5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

C-SIZE

5569

EC NO: 172489

DRWN: ANESSER

CHK'D: JBELL

APPR: FSMITH

INITIAL REVISION:

DRWN: RJF

APPR: FSMITH

1988/02/16

2016/12/20

2018/01/26

2018/02/20

2018/02/22

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

55690002-SD

PSD

000

A

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE CHART

GENERAL MARKET

1 OF 4

DOCUMENT STATUS

P1

RELEASE DATE

2018/02/22

21:31:14

THIS DRAWING REPLACES DRAWING SDA-5569-NA2\*-\*

12 11 10 9 8 7 6 5 4 3 2 1

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12	11	10	9	8	7	6	5	4	3	2	1	

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