

产品编号 : [436500401](#)

Product Description : Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 4 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, Glow-Wire Capable, Black

系列号 : 43650

状态 : Active

Product Category : PCB Headers and Receptacles



文件和资源

图纸

[图纸 436500401_sd.pdf](#)

[包装设计图 PK-70873-0321-001.pdf](#)

3D 模型和设计文件

[3D模型 436500401_stp.zip](#)

[符号足迹数据 SYM-43650-0400-001.zip](#)

规格

[产品规格 436500001-PS-JA-000.pdf](#)

[产品规格 436500001-PS-K0-000.pdf](#)

[产品规格 436500001-PS-SP-000.pdf](#)

[产品规格 PS-43650-001.pdf](#)

[测试摘要 430450006-TS-000.pdf](#)


[测试摘要 TS-43045-001-001.pdf](#)

[测试摘要 TS-43045-002-001.pdf](#)

[测试摘要 TS-46235-001-001.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)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

多部分产品合规性声明

- Eu RoHS
- REACH SVHC
- Low-Halogen

多部分行业合规性文件

- 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	43650
说明	Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Single Row, 4 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, Glow-Wire Capable, Black
应用	Power, Wire-to-Board

个评论	<p>High Temperature, Square Pin, Solder Type; This Molex product is manufactured from material that has the following ratings, tested by independent agencies:</p> <p>a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12 and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.</p>
元件类型	PCB Header
产品系列	Micro-Fit Connector System
产品名称	Micro-Fit 3.0
UPC	800753788008

机构

CSA	LR19980
UL	E29179

电气

每触点最大电流	8.5A
电压 - 最大	600V

物理

断开	否
回路数 (已载入)	4
电路数 (最多)	4

颜色-树脂	黑色
耐用性(插拔次数) - 最多次数	30
阻燃性	94V-0
符合灼热丝规范	是
插配长度	6.98mm
材料 - 金属	Brass
材料 - 接合部位电镀	金牌
材料 - 终端电镀	Tin
材料 - 树脂	High Temperature Thermoplastic
净重	0.824/g
行数	1
方向	Right Angle
包装形式	Tray
PCB 定位器	是
PCB 保持力	是
推荐的 PCB 厚度	1.60mm
间距 - 插配接口	3.00mm
最薄镀层 - 接合部位	0.381µm
最薄镀层 - 端接	2.540µm
PCB 极性	是
有护墙的	Fully
可堆叠的	否
运行温度范围	-40° to +125° C
终端界面类型	Through Hole

进程

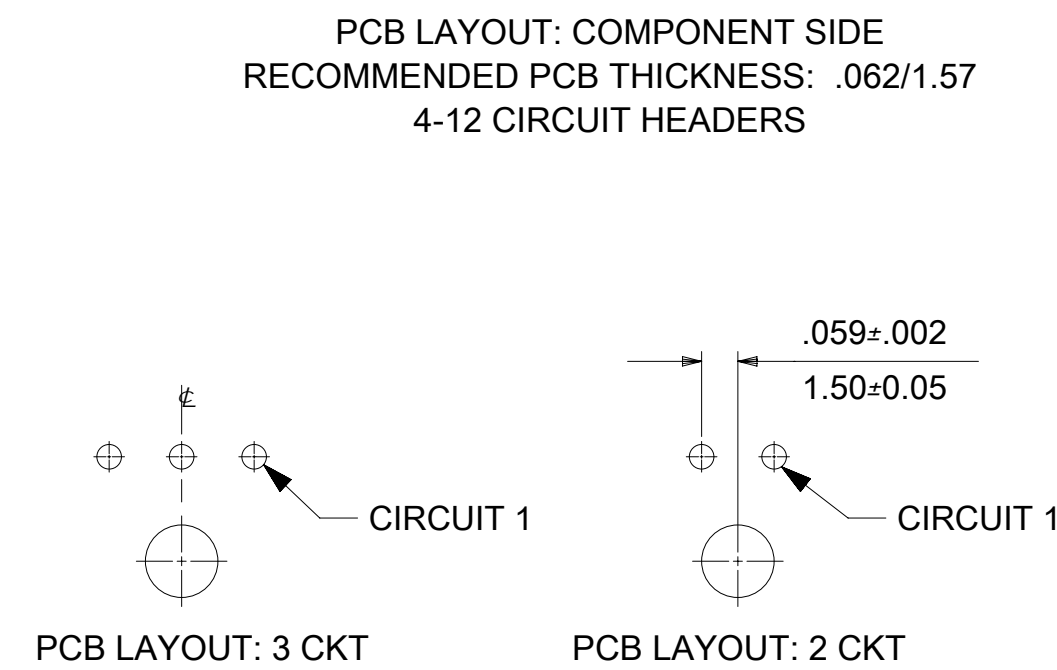
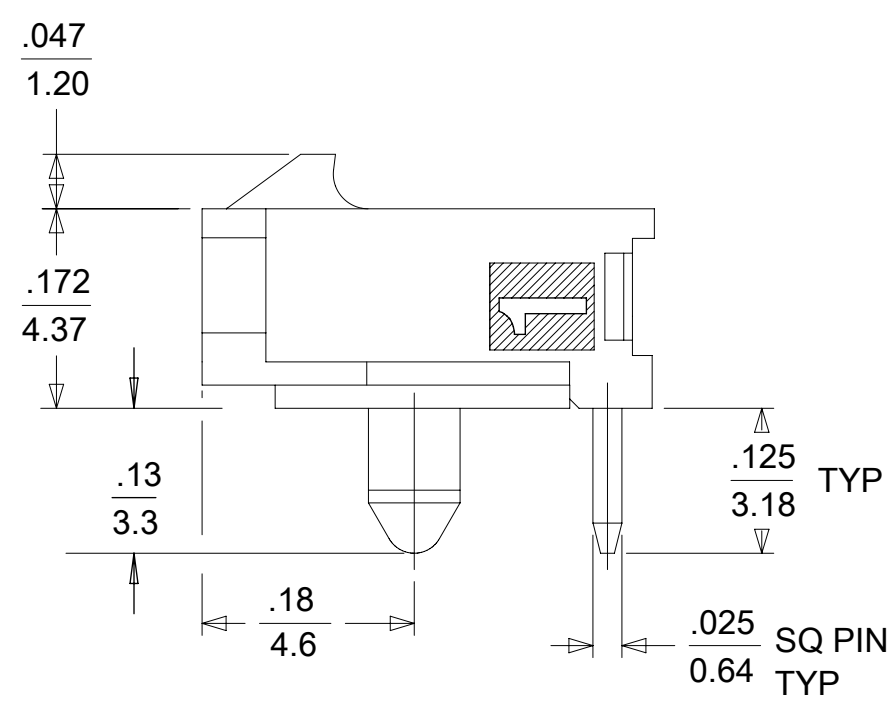
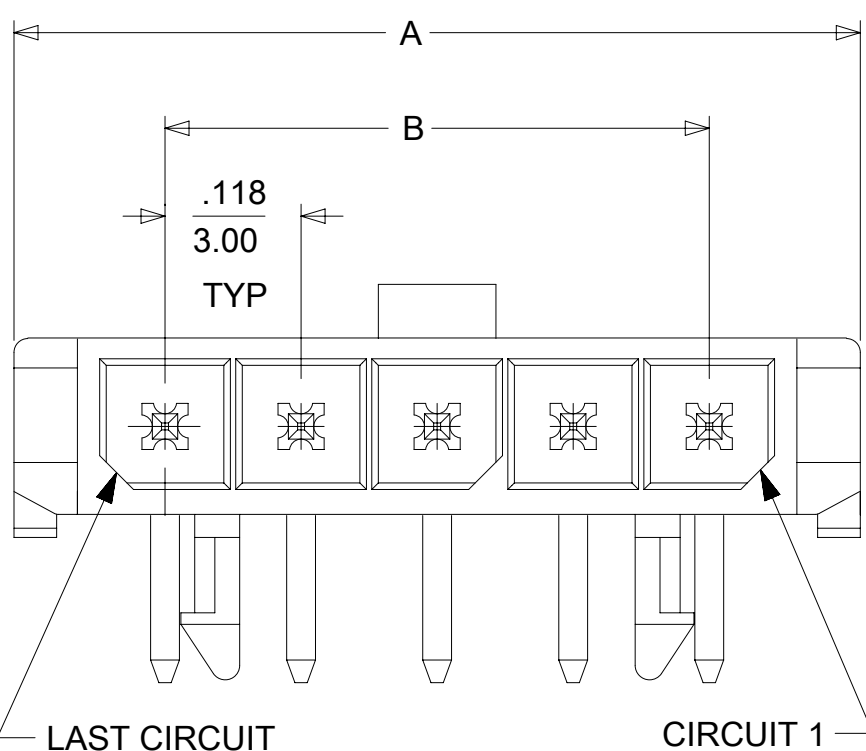
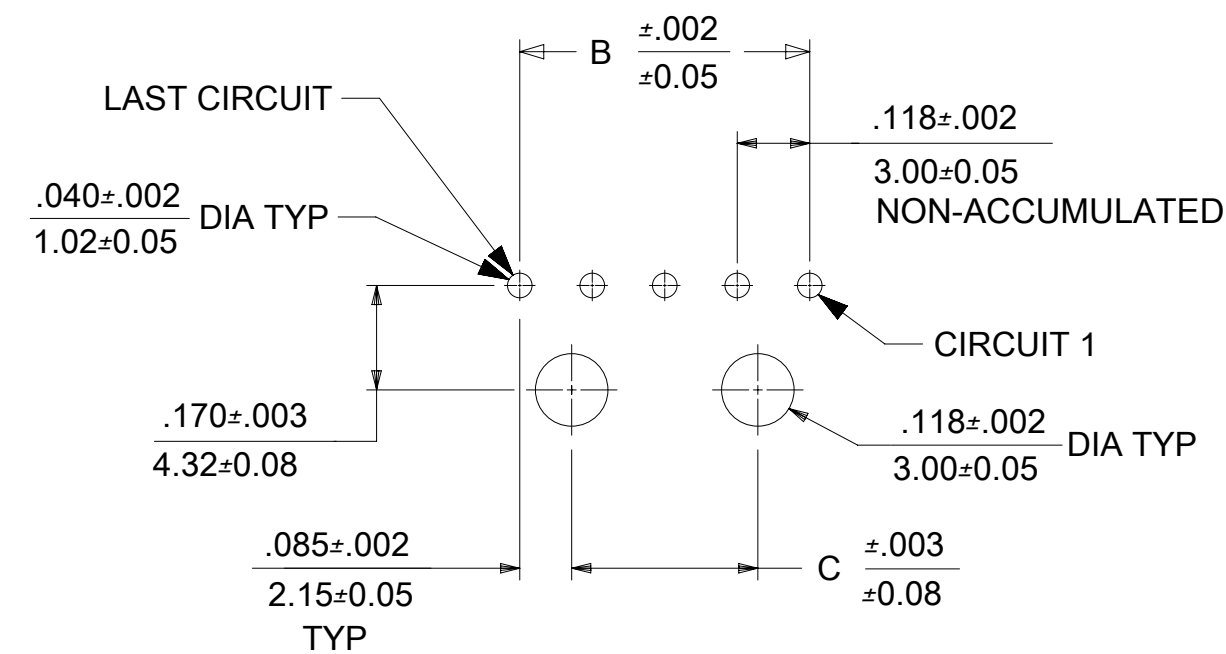
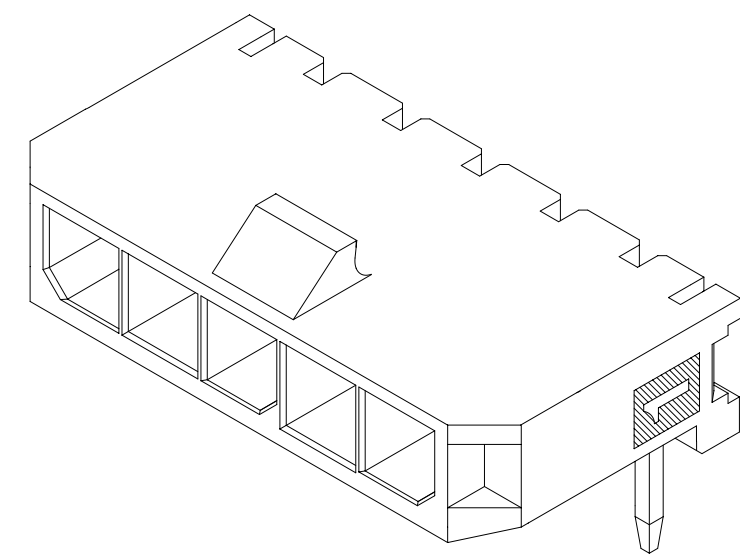
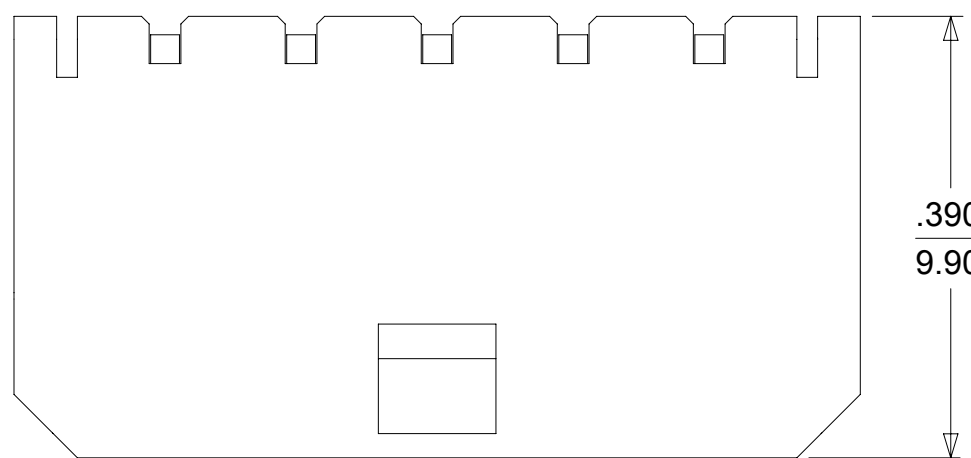
最长持续时间	30
无铅	SMC&WAVE
最大周期	3
最高温度	260

可配插/可连接使用的产品

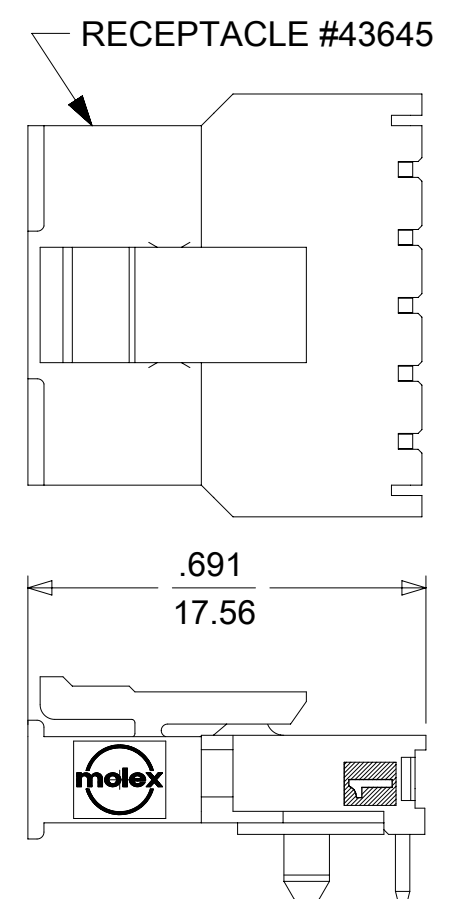
可配插部件

描述	产品编号
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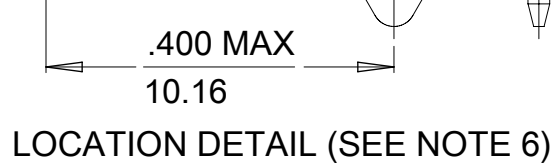
Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female Off-the-Shelf (OTS) Cable Assembly, Single Row, 150.00mm Length, Gold (Au) Plating, 4 Circuits, Black	<u>2147502041</u>
Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female Off-the-Shelf (OTS) Cable Assembly, Single Row, 300.00mm Length, Gold (Au) Plating, 4 Circuits, Black	<u>2147502042</u>
Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female Off-the-Shelf (OTS) Cable Assembly, Single Row, 600.00mm Length, Gold (Au) Plating, 4 Circuits, Black	<u>2147502043</u>
Micro-Fit 3.0 Female-to-Pigtail Off-the-Shelf (OTS) Cable Assembly, Single Row, 150.00mm Length, Gold (Au) Plating, 4 Circuits, Black	<u>2147512041</u>
Micro-Fit 3.0 Female-to-Pigtail Off-the-Shelf (OTS) Cable Assembly, Single Row, 300.00mm Length, Gold (Au) Plating, 4 Circuits, Black	<u>2147512042</u>
Micro-Fit 3.0 Female-to-Pigtail Off-the-Shelf (OTS) Cable Assembly, Single Row, 600.00mm Length, Gold (Au) Plating, 4 Circuits, Black	<u>2147512043</u>
Micro-Fit 3.0 Single Row Receptacle Housings	<u>43645</u>
Micro-Fit TPA Single Row Receptacle Housings	<u>171850</u>



CKTS	A	B	C
2	.380 / 9.65	.118 / 3.00	N/A
3	.498 / 12.65	.236 / 6.00	N/A
4	.616 / 15.65	.354 / 9.00	.185 / 4.70
5	.734 / 18.64	.472 / 12.00	.303 / 7.70
6	.852 / 21.64	.591 / 15.00	.421 / 10.70
7	.970 / 24.64	.709 / 18.00	.539 / 13.70
8	1.088 / 27.64	.827 / 21.00	.657 / 16.70
9	12.06 / 30.63	.945 / 24.00	.776 / 19.70
10	1.325 / 33.66	1.063 / 27.00	.894 / 22.70
11	1.443 / 36.65	1.181 / 30.00	1.012 / 25.70
12	1.561 / 39.65	1.299 / 33.00	1.130 / 28.70



MATED MICRO FIT CONNECTOR



LOCATION DETAIL (SEE NOTE 6)

- NOTES:
- HOUSING MATERIAL: LIQUID CRYSTAL POLYMER, GLASS FILLED. UL94V-0, COLOR - BLACK
TERMINAL MATERIAL: BRASS ALLOY
 - FINISH:
 - A = .000060/(0.00152) MIN. REFLOWED MATTE TIN OVER
.000050/(0.00127) MIN. NICKEL
(FINISH IS BRIGHT IN APPEARANCE, THICKNESS AS APPLIED PRIOR TO REFLOW)
 - B = .000015/(0.00038) MIN. SELECT GOLD IN CONTACT AREA
.000100/(0.00254) MIN. SELECT MATTE TIN ON SOLDER TAILS BOTH OVER
.000050/(0.00127) NICKEL OVERALL
 - C = .000030/(0.00076) MIN. SELECT GOLD IN CONTACT AREA
.000100/(0.00254) MIN. SELECT MATTE TIN ON SOLDER TAILS BOTH OVER
.000050/(0.00127) NICKEL OVERALL
 - D = .000100/(0.00254) MIN. MATTE TIN OVER
.000050/(0.00127) MIN. NICKEL
 - PRODUCT SPECIFICATION: PS-43650
 - TRAY PACKAGED : SEE MOLEX DRAWING PK-70873-0321
 - MATES WITH MICRO FIT (3.0) RECEPTACLE SERIES 43645
 - TO AVOID INTERFERENCE BETWEEN RECEPTACLE AND PCB, HEADER MUST BE PLACED WITHIN .400/(10.16) MAX. FROM EDGE OF PCB, AS SHOWN IN LOCATION DETAIL.
 - PARTS CONFORM TO CLASS 'B' REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002
 - TEXT ON PART IS FOR REFERENCE ONLY. TEXT AND TEXT LOCATION MAY VARY DEPENDING ON PART NUMBER AND/OR TOOL.

CKTS	FINISH A		VOID CKT #	FINISH B		VOID CKT #	FINISH C		VOID CKT #	FINISH D		
	MATERIAL NUMBER			MATERIAL NUMBER			MATERIAL NUMBER			MATERIAL NUMBER		
02	43650-0200		N/A	43650-0201		N/A	43650-0202		N/A	43650-0237		
03	43650-0300		N/A	43650-0301		N/A	43650-0302		N/A			
04	43650-0400		N/A	43650-0401		N/A	43650-0402		N/A			
05	43650-0500		N/A	43650-0501		N/A	43650-0502		N/A			
06	43650-0600		N/A	43650-0601		N/A	43650-0602		N/A			
07	43650-0700		N/A	43650-0701		N/A	43650-0702		N/A			
08	43650-0800		N/A	43650-0801		N/A	43650-0802		N/A			
09	43650-0900		N/A	43650-0901		N/A	43650-0902		N/A			
10	43650-1000		N/A	43650-1001		N/A	43650-1002		N/A			
11	43650-1100		N/A	43650-1101		N/A	43650-1102		N/A			
12	43650-1200		N/A	43650-1201		N/A	43650-1202		N/A			
03	43650-1300		2									
05								43650-1502				2,3,4
09	43650-1900		2,4,5	43650-1901		2,4,6,8						
10								43650-2002		2,3,5,6,8,9		

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QUALITY SYMBOLS	2017/02/02 2017/08/24 2017/08/29 ADD 43650-2002 EC NO: 113012 DRWN: JQUILES CHKD: SSOUSEK REV / APPR: FSMITH	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE	
		MM	INCH	IN/MM		N/A	
▽ = 0	DRWN BY: KSAMIEC DATE: 2000/07/07 CHK'D BY: MUELLER DATE: 2000/07/07 APPR BY: FSMITH DATE: 2016/03/18	4 PLACES ±	±	DRWN BY	DATE	MICROFIT(3.0) RIGHT ANGLE THRU HOLE PEGS SINGLE ROW - TRAY	
▽ = 0		3 PLACES ±	± 0.01	CHK'D BY	DATE		
▽ = 0		2 PLACES ±	± 0.25	± 0.014	MUELLER	2000/07/07	
▽ = 0		1 PLACES ±	± 0.35	±	APPR BY	DATE	
▽ = 0		0 PLACES ±	±	±	FSMITH	2016/03/18	
▽ = 0		ANGULAR TOL = 0.5	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	

PRODUCT CUSTOMER DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
	43650	SEE CHART	GENERAL MARKET
DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
SD-43650-001	PSD	000	1 OF 1