



产品编号 : 438100004

**Product Description** : Mini-Fit BMI Header, Dual Row, Right-Angle, for 1.60mm PCB, 10 Circuits, Tin (Sn) Plating, 260C Wave Solderable, with Retention Clip

系列号 : 43810

**状态** : Active

**Product Category** : PCB Headers and Receptacles

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## 文件和资源

### 图纸

图纸 438100004\_sd.pdf

包装设计图 PK-43810-001-000.pdf

### 3D 模型和设计文件

3D模型 438100004\_stp.zip

符号足迹数据 SYM-43810-0004-001.zip

### 规格


产品规格 PS-43810-001-001.pdf

产品规格 PS-45750-001-001.pdf

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## 产物环境合规

### 合规

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not 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	43810
说明	Mini-Fit BMI Header, Dual Row, Right-Angle, for 1.60mm PCB, 10 Circuits, Tin (Sn) Plating, 260C Wave Solderable, with Retention Clip
应用	Board-to-Board, 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-45750-001 for additional current derating information.
元件类型	PCB Header
产品系列	Mini-Fit Family Power Connectors
产品名称	Mini-Fit BMI
UPC	800754911962

### 机构

CSA	LR19980
UL	E29179

### 电气

每触点最大电流	13.0A
电压 - 最大	600V AC (RMS)/DC

### 物理

断开	否
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回路数 (已载入)	10
电路数 (最多)	10
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	否
材料 - 金属	Brass
材料 - 接合部位电镀	Tin
材料 - 终端电镀	Tin
材料 - 树脂	High Temperature Thermoplastic
净重	6.166/g
行数	2
方向	Right Angle
包装形式	Tray
PC 焊脚长度	3.12mm
PCB 定位器	否
PCB 保持力	是
推荐的 PCB 厚度	1.60mm
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
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.-to-Mini-Fit Jr. Off-the-Shelf (OTS) Overmolded Cable Assemblies	<u>245135</u>
Mini-Fit BMI Vertical Dual Row Receptacle Headers	<u>42385</u>
Mini-Fit BMI Dual Row Receptacle Housings	<u>42474</u>
Mini-Fit HCS Vertical Dual Row PCB Receptacles	<u>44475</u>
Mini-Fit BMI Dual Row Receptacle Housings	<u>44516</u>
Mini-Fit Jr. Receptacle Housings	<u>5557</u>



MATERIAL NO.	CIRCUIT SIZE	CLIP OPTION	DIM. "A"	DIM. "B"	DIM. "C"	FINISH
43810-0001	4	YES	18.81 .740	4.20 .165	16.60 .653	1
43810-0002	6	YES	23.01 .906	8.40 .331	20.80 .819	1
43810-0003	8	YES	27.21 1.071	12.60 .496	25.00 .984	1
43810-0004	10	YES	31.41 1.237	16.80 .661	29.20 1.150	1
43810-0005	12	YES	35.61 1.402	21.00 .828	33.40 1.315	1
43810-0006	14	YES	39.81 1.567	25.20 .992	37.60 1.480	1
43810-0007	16	YES	44.01 1.733	29.40 1.157	41.80 1.646	1
43810-0008	18	YES	48.21 1.898	33.60 1.323	46.00 1.811	1
43810-0009	20	YES	52.41 2.063	37.80 1.488	50.20 1.976	1
43810-0010	22	YES	56.61 2.229	42.00 1.654	54.40 2.142	1
43810-0011	24	YES	60.81 2.394	46.20 1.819	58.60 2.307	1
43810-0012	4	YES	18.81 .740	4.20 .165	16.60 .653	2
43810-0013	6	YES	23.01 .906	8.40 .331	20.80 .819	2
43810-0014	8	YES	27.21 1.071	12.60 .496	25.00 .984	2
43810-0015	10	YES	31.41 1.237	16.80 .661	29.20 1.150	2
43810-0016	12	YES	35.61 1.402	21.00 .828	33.40 1.315	2
43810-0017	14	YES	39.81 1.567	25.20 .992	37.60 1.480	2
43810-0018	16	YES	44.01 1.733	29.40 1.157	41.80 1.646	2
43810-0019	18	YES	48.21 1.898	33.60 1.323	46.00 1.811	2
43810-0020	20	YES	52.41 2.063	37.80 1.488	50.20 1.976	2
43810-0021	22	YES	56.61 2.229	42.00 1.654	54.40 2.142	2
43810-0022	24	YES	60.81 2.394	46.20 1.819	58.60 2.307	2

N = NOT TOOLED

MATERIAL NO.	CIRCUIT SIZE	CLIP OPTION	DIM. "A"	DIM. "B"	DIM. "C"	FINISH
43810-0199	4	NO	18.81 .740	4.20 .165	16.60 .653	1
43810-0200	6	NO	23.01 .906	8.40 .331	20.80 .819	1
43810-0201	8	NO	27.21 1.071	12.60 .496	25.00 .984	1
43810-0202	10	NO	31.41 1.237	16.80 .661	29.20 1.150	1
43810-0203	12	NO	35.61 1.402	21.00 .828	33.40 1.315	1
43810-0204	14	NO	39.81 1.567	25.20 .992	37.60 1.480	1
43810-0205	16	NO	44.01 1.733	29.40 1.157	41.80 1.646	1
43810-0206	18	NO	48.21 1.898	33.60 1.323	46.00 1.811	1
43810-0207	20	NO	52.41 2.063	37.80 1.488	50.20 1.976	1
43810-0208	22	NO	56.61 2.229	42.00 1.654	54.40 2.142	1
43810-0209	24	NO	60.81 2.394	46.20 1.819	58.60 2.307	1
43810-0210	4	NO	18.81 .740	4.20 .165	16.60 .653	2
43810-0211	6	NO	23.01 .906	8.40 .331	20.80 .819	2
43810-0212	8	NO	27.21 1.071	12.60 .496	25.00 .984	2
43810-0213	10	NO	31.41 1.237	16.80 .661	29.20 1.150	2
43810-0214	12	NO	35.61 1.402	21.00 .828	33.40 1.315	2
43810-0215	14	NO	39.81 1.567	25.20 .992	37.60 1.480	2
43810-0216	16	NO	44.01 1.733	29.40 1.157	41.80 1.646	2
43810-0217	18	NO	48.21 1.898	33.60 1.323	46.00 1.811	2
43810-0218	20	NO	52.41 2.063	37.80 1.488	50.20 1.976	2
43810-0219	22	NO	56.61 2.229	42.00 1.654	54.40 2.142	2
43810-0220	24	NO	60.81 2.394	46.20 1.819	58.60 2.307	2

N = NOT TOOLED

<b>QUALITY SYMBOLS</b> 	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	RELEASE 8CKT EC NO. 116383 DRWN: BAPPELDORN CHKD: JBELL REV / APPR: FSMITH	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION UNITS		SCALE					
		MM		INCH		MM/IN		1:1					
		4 PLACES ±		±		DRWN BY		DATE		<b>MINI-FIT JR BMI</b> <b>RIGHT ANGLE HEADER ASM. FOR 1.6/.063 THK. PCB</b>			
		3 PLACES ±		± 0.01		MANLAPAZ		1997/01/06					
		2 PLACES ±		± 0.25 ± 0.014		BANDURA		1997/03/26					
	1 PLACES ±		± 0.35 ±		APPR BY		DATE		<b>PRODUCT CUSTOMER DRAWING</b>				
	0 PLACES ±		±		FSMITH		2012/01/19		SERIES: 43810    MATERIAL NUMBER: SEE CHART    CUSTOMER: GENERAL MARKET				
	ANGULAR TOL ± 0.5				DRAWING SIZE		THIRD ANGLE PROJECTION						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				D								
DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER							
SD-43810-011		PSD		000		2 OF 2							