



产品编号 : 877581016

系列号 : 87758

Product Category : PCB Headers and Receptacles

Product Description : 2.00mm Pitch Milli-Grid Header, Through Hole, Vertical, 10 Circuits, 0.38µm Gold (Au) Selective Plating, Pocket Tray Packaging, Lead-Free

状态 : Active

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## 文件和资源

### 图纸

图纸 877581016\_sd.pdf

包装设计图 PK-89990-487-001.pdf

### 3D 模型和设计文件

3D模型 877581016\_stp.zip

### 规格

应用规格 503940001-AS-000.pdf


产品规格 PS-87761-100-001.pdf

测试摘要 877610000-TS-000.pdf

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## 产物环境合规

### 合规

GADSL/IMDS	Compliant with Exemption 44; 34; 33
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	87758
说明	2.00mm Pitch Milli-Grid Header, Through Hole, Vertical, 10 Circuits, 0.38µm Gold (Au) Selective Plating, Pocket Tray Packaging, Lead-Free
应用	Board-to-Board, Signal
元件类型	PCB Header
产品系列	Milli-Grid Connector System
产品名称	Milli-Grid
UPC	822348273546

### 机构

UL	E29179
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### 电气

每触点最大电流	2.0A
电压 - 最大	125V

### 物理

断开	是
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	100
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	无
插配长度	4.00mm
材料 - 金属	Phosphor Bronze
材料 - 接合部位电镀	金牌
材料 - 终端电镀	Tin
材料 - 树脂	Nylon
净重	0.253/g
行数	2
方向	垂直
包装形式	Tray
PC 焊脚长度	2.60mm
PCB 定位器	否
PCB 保持力	无
推荐的 PCB 厚度	1.60mm
间距 - 插配接口	2.00mm
间距 - 终端界面	2.00mm
最薄镀层 - 接合部位	0.381µm
有极性的插配件	否
PCB 极性	否
有护墙的	否
可堆叠的	否
运行温度范围	-55° to +105° C
终端界面类型	Through Hole

## 进程

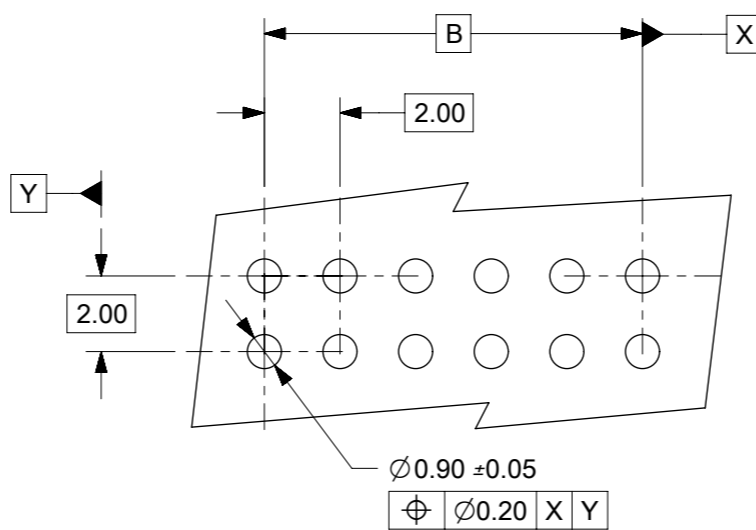
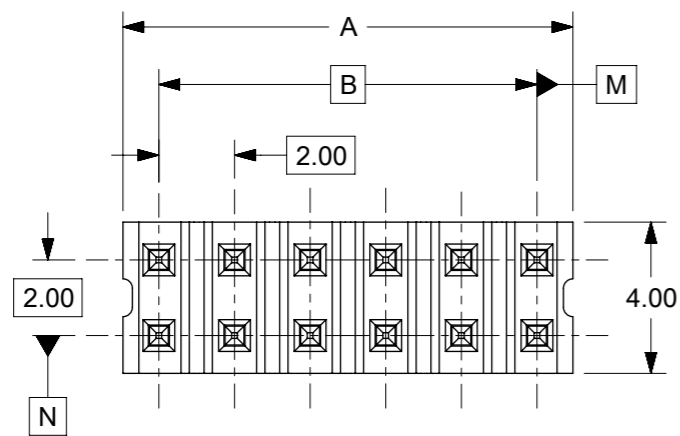
最长持续时间	3
无铅	WAVE
最大周期	1
最高温度	250

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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
Milli-Grid Dual Row Receptacle Housings	<u>51110</u>
Milli-Grid Vertical Through Hole PCB Receptacles	<u>78787</u>
Milli-Grid Top Entry Surface Mount PCB Receptacles	<u>78788</u>
Milli-Grid Vertical Through Hole PCB Receptacles	<u>79107</u>
Milli-Grid Vertical Through Hole PCB Receptacles	<u>79108</u>
Milli-Grid Top/Bottom Entry Surface Mount PCB Receptacles	<u>79109</u>
Milli-Grid Top Entry Surface Mount PCB Receptacles	<u>87381</u>

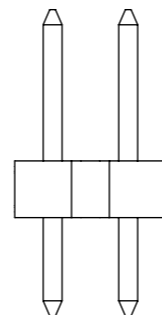
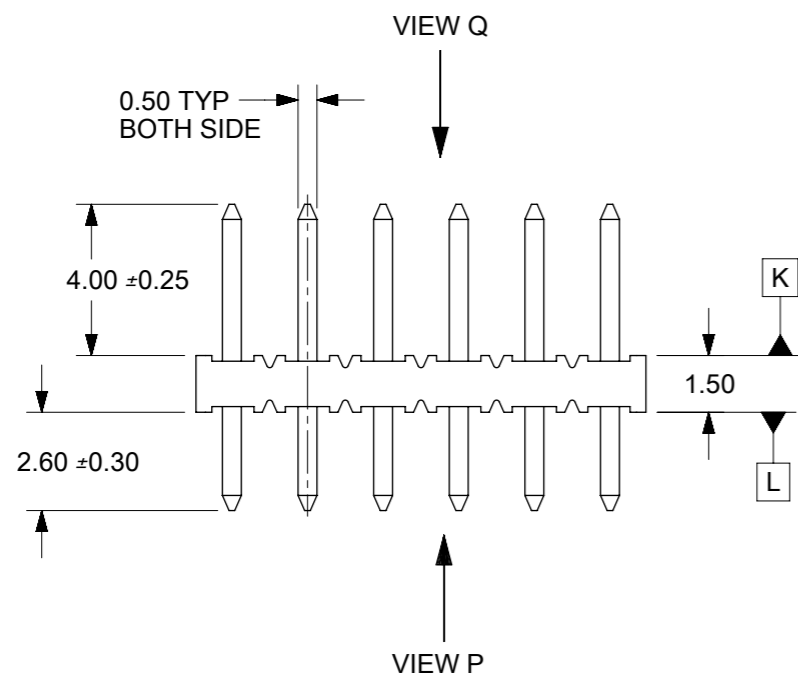


**LEGEND**

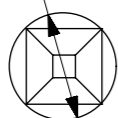
87758-\*\*\*  
 CKT SIZE (SEE SHT 2 TABLE) PLATING (SEE NOTE 2)

**NOTES:**

- MATERIAL:**  
 HOUSING: 30% G.F. NYLON 46, 94V-0, COLOR: BLACK  
 PIN: 0.50mm SQ. PHOSPHOR BRONZE 510
- PLATING:**  
 \*\*16 - 0.38µm MIN GOLD IN CONTACT AREA, TIN IN SOLDER AREA, BOTH OVER NICKEL OVERALL.  
 \*\*17 - 0.76µm MIN GOLD IN CONTACT AREA, TIN IN SOLDER AREA, BOTH OVER NICKEL OVERALL.  
 \*\*18 - 2.54µm MIN TIN OVER NICKEL OVERALL.  
 \*\*19 - 0.05-0.25µm GOLD IN CONTACT AREA, TIN IN SOLDER AREA, BOTH OVER NICKEL OVERALL.
- 12 CKT USED FOR ILLUSTRATION ONLY
- PACKED IN POCKET TRAY
- PIN PUSHOUT FORCE: 1kg MIN IN EITHER DIRECTION
- ⚠️ CKT 4 AND 6 IS CUT FROM CKT 8 AND 12 RESPECTIVELY. CKT 2 ARE CUT FROM ANY LARGER CKT SIZE, ROUGH EDGES ARE EXPECTED ALONG THE CUTTING EDGES.
- PRODUCT SPEC PS-87761-100 APPLIES.
- RECOMMENDED PCB THICKNESS IS 1.60±0.10

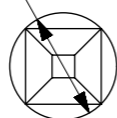


Ø0.71 ±0.07  
 Ø 0.30 (M) K M N



**VIEW P**

Ø0.71 ±0.07  
 Ø 0.30 (M) L M N

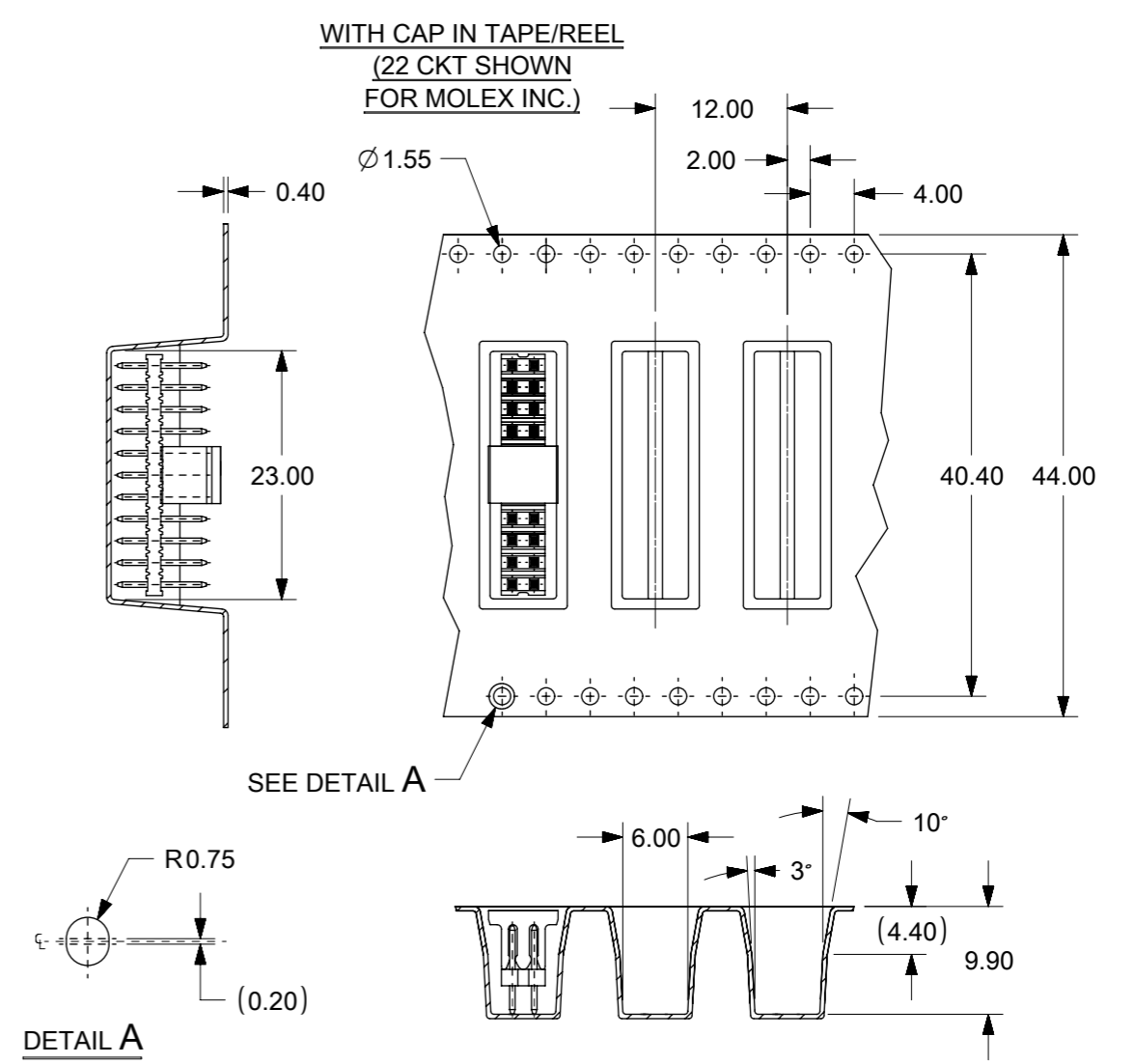
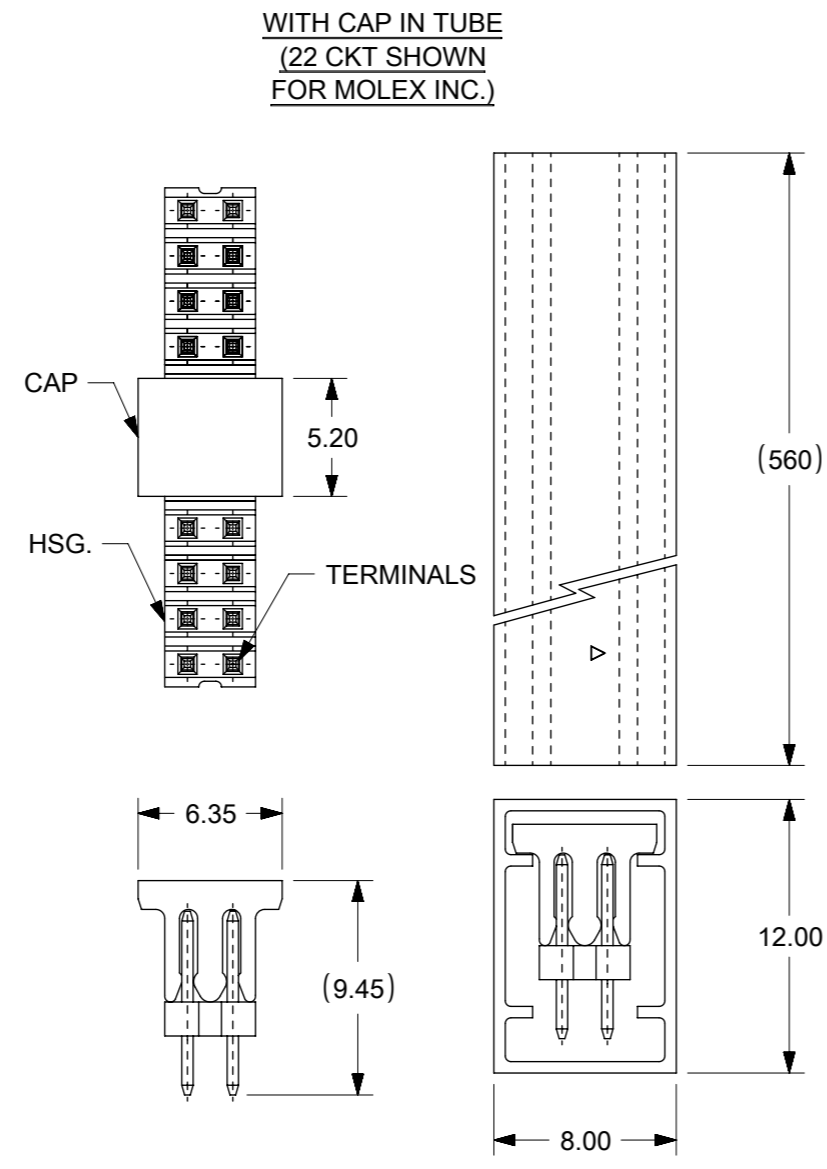


**VIEW Q**

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMASTERED IN NX				<b>molex</b>	
mm		NTS							
GENERAL TOLERANCES (UNLESS SPECIFIED)									
		MM		INCH		EC NO: 172192			
4 PLACES		±		±		DRWN: NVELUSAMY 2017/12/18			
3 PLACES		±		±		CHK'D: CD 2018/07/18			
2 PLACES		± 0.2		±		APPR: GGA 2018/07/19			
1 PLACE		±		±		INITIAL REVISION:			
0 PLACES		±		±		DRWN: KSEE 2003/10/30		DOCUMENT NUMBER	
ANGULAR TOL		± 3.0°		±		APPR: SKTOH 2004/01/05		SD-87758-107	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES	
				A3-SIZE		87758		MATERIAL NUMBER	
				SEE TABLE		GENERAL MARKET		CUSTOMER	
								SHEET NUMBER	
								1 OF 2	

PART NUMBER	CKT SIZE	A	B
87758-02**	2	NA	NA
87758-04**	4	NA	2.00
87758-06**	6	NA	4.00
87758-08**	8	7.90	6.00
87758-10**	10	9.90	8.00
87758-12**	12	11.90	10.00
87758-14**	14	13.90	12.00
87758-16**	16	15.90	14.00
87758-18**	18	17.90	16.00
87758-20**	20	19.90	18.00
87758-22**	22	21.90	20.00
87758-24**	24	23.90	22.00
87758-26**	26	25.90	24.00
87758-28**	28	27.90	26.00
87758-30**	30	29.90	28.00
87758-32**	32	31.90	30.00
87758-34**	34	33.90	32.00
87758-36**	36	35.90	34.00
87758-38**	38	37.90	36.00
87758-40**	40	39.90	38.00
87758-42**	42	41.90	40.00
87758-44**	44	43.90	42.00
87758-46**	46	45.90	44.00
87758-48**	48	47.90	46.00
87758-50**	50	49.90	48.00

CKT SIZE	PART NO. WITH CAP IN TUBE	PART NO. WITH CAP IN TAPE/REEL	PLATING TYPE
8	87758-0814	87758-0815	**16
22	87758-5126	87758-5111	MOLEX INC.



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DIMENSION UNITS	SCALE	CURRENT REV DESC: REMASTERED IN NX	<b>molex</b>		
mm	NTS				
GENERAL TOLERANCES (UNLESS SPECIFIED)			SALES DRAWING		
			2MM DUAL ROW SINGLE WAFER, VERTICAL T/H HDR		
			PRODUCT CUSTOMER DRAWING		
4 PLACES	±		DOCUMENT NUMBER		
3 PLACES	±		DOC TYPE		
2 PLACES	±	0.2	DOC PART		
1 PLACE	±		REVISION		
0 PLACES	±		SD-87758-107		
ANGULAR TOL ± 3.0°			PSD	001	A5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
THIRD ANGLE PROJECTION			SEE TABLE	GENERAL MARKET	2 OF 2
DRAWING			SERIES		
A3-SIZE			87758		

DOCUMENT STATUS	P1	RELEASE DATE	2018/07/19	05:01:08
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