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Part Number:	**0554541670**
Status:	**Active**
Description:	1.25mm (.049") Pitch Mi II™ System Wire-to-Board Header, Single Row, Right Angle, Lead-free, 16 Circuits

Documents:

3D Model   Product Specification PS-54596-018 (PDF)

Drawing (PDF)   RoHS Certificate of Compliance (PDF)

Series

image - Reference only

General

Product Family	PCB Headers
Series	55454
Application	Wire-to-Board
Product Name	Mini Mi II™

Physical

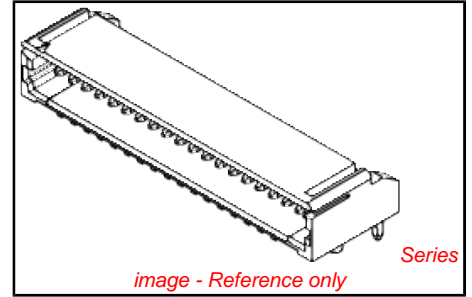|	
Breakaway	No
Circuits (Loaded)	16
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Polarized to Mating Part	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40℃ to +105℃
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	100V

Material Info

Reference - Drawing Numbers

Product Specification	PS-54596-018, RPS-54596-024
Sales Drawing	SD-55454-007

EU RoHS   **China RoHS**

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free Status

Not Halogen-Free

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here
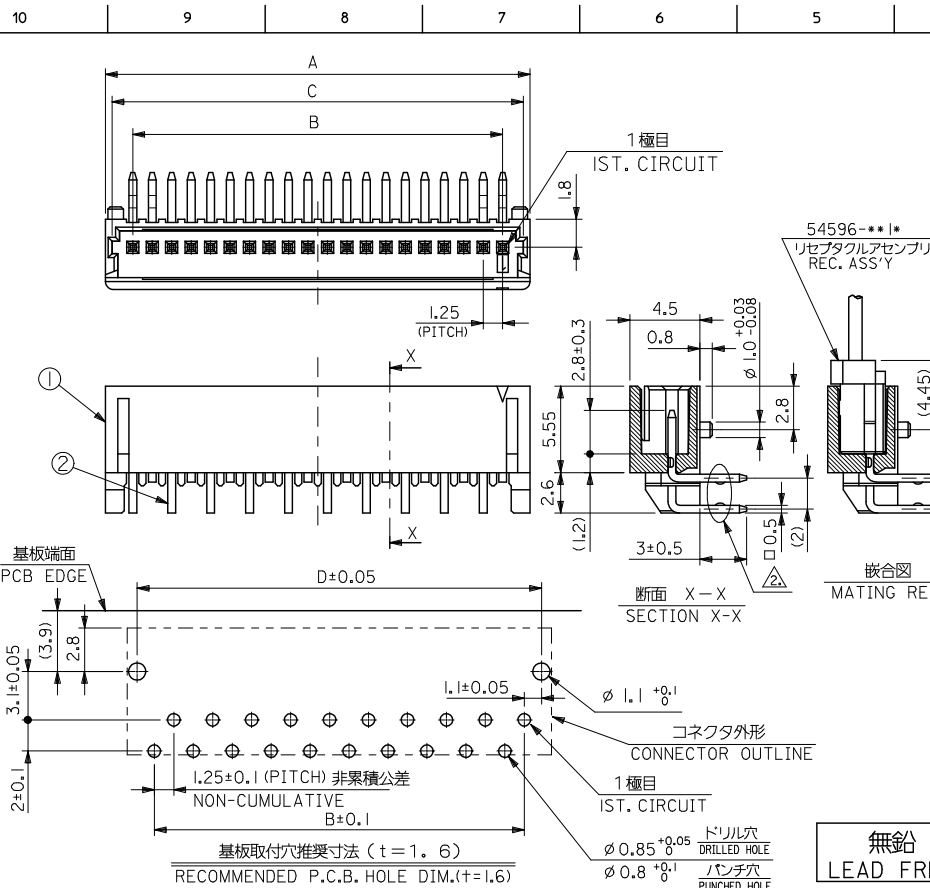
Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series

55454Series

Mates With

51336 PBT Polyester, Glass-filled Housing.
54596 PA Polyamide Housing

This document was generated on 04/16/2010
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番号 NO.	名称 NAME	原料 MATERIAL	数量 QT'Y	仕上げ FINISH
①	ウエハー WEFAR	ポリアミド PA	I	UL94V−0
②	ピン PIN	黄銅 BRASS	N	錫メッキ 1.0マイクロメートル以上 PRE-TINNED 1.0 MICROMETER MINIMUM 下地：ニッケルメッキ 0.5マイクロメートル以上 UNDER PLATE : NICKEL 0.5 MICROMETER MINIMUM

1極目
IST. CIRCUIT

54596-**I*
リセプタクルアセンブリ
REC. ASS'Y

I.25
(PITCH)

4.5
0.8
2.8 ± 0.3
$\phi I.0 {}^{+0.03}_{-0.08}$
2.8
5.55
2.6
(I.2)
3 ± 0.5
$\square 0.5$
(2)

断面 X−X
SECTION X−X

(4.45)
嵌合図
MATING REC.

注）NOTES
1. 原料および仕上げ：表参照
   MATERIAL AND FINISH : SEE CHART
2. キンクは、両サイド4ピンに適用。（4極品までは、全極に適用）
   TO BE APPLICABLE 4 PIN OF BOTH SIDE.
3. 製品番号
   MATERIAL NO.
   55454-**7*
   極数 CIRCUIT SIZE (02 〜 20)
   メッキ仕様：無鉛 PLATING:LEAD FREE
   0：自然色 NATURAL
   2：赤色 RED
   3：黄色 YELLOW
   色
   COLOR

基板端面
PCB EDGE

D±0.05
(3.9)
2.8
3.1 ± 0.05
$\phi I.I {}^{+0.I}_{0}$
I.I±0.05
2 ± 0.1
I.25±0.1 (PITCH) 非累積公差
NON-CUMULATIVE
B±0.1

コネクタ外形
CONNECTOR OUTLINE

1極目
IST. CIRCUIT

基板取付穴推奨寸法（t=1.6）
RECOMMENDED P.C.B. HOLE DIM.(t=1.6)

$\phi 0.85 {}^{+0.05}_{0}$ ドリル穴 DRILLED HOLE
$\phi 0.8 {}^{+0.I}_{0}$ パンチ穴 PUNCHED HOLE

無鉛
LEAD FREE

D	C	B	A	極数 CIRCUIT SIZE	製品番号 MATERIAL NO.	MODEL NO.
25.95	26.4	23.75	27.25	20	55454-207*	
24.7	25.15	22.5	26	19	-197*	
23.45	23.9	21.25	24.75	18	-187*	
22.2	22.65	20	23.5	17	-177*	
20.95	21.4	18.75	22.25	16	-167*	
19.7	20.15	17.5	21	15	-157*	
18.45	18.9	16.25	19.75	14	-147*	
17.2	17.65	15	18.5	13	-137*	
15.95	16.4	13.75	17.25	12	-127*	55454-**7*
14.7	15.15	12.5	16	11	-117*	
13.45	13.9	11.25	14.75	10	-107*	
12.2	12.65	10	13.5	9	-097*	
10.95	11.4	8.75	12.25	8	-087*	
9.7	10.15	7.5	11	7	-077*	
8.45	8.9	6.25	9.75	6	-067*	
7.2	7.65	5	8.5	5	-057*	
5.95	6.4	3.75	7.25	4	-047*	
4.7	5.15	2.5	6	3	-037*	
3.45	3.9	1.25	4.75	2	55454-027*	

REVISED
EC NO: J2009-1881
DRWN:RTSURUOKA 2009/02/05
CHKD:THARUYAMA 2009/02/05
APPR:NUKITA 2009/02/05
DESCRIPTION
A
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 4:1	DESIGN UNITS METRIC	◎ ◁ THIRD ANGLE PROJECTION
10 UNDER	± 0.2	DRAWN BY N.YOSHIDA	DATE '03/02/12	TITLE	
10 OVER 30 UNDER	± 0.25	CHECKED BY M.YAGI	DATE '03/02/12	MINI MI2 1-ROW R/A WAFER ASS'Y (SN)	
30 OVER	± 0.3	APPROVED BY Y.ITO	DATE '03/02/12	molex MOLEX INCORPORATED	
ANGULAR ±3 °		MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-55454-007		SHEET NO. 1 OF 1
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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Rev. E 2006/04/15

EN-02JA(021)