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Part Number: [0554511670](#)
Status: **Active**
Description: 1.25mm (.049") Pitch Mi II™ System Wire-to-Board Header, Dual Row, Vertical, Lead-free, 16 Circuits

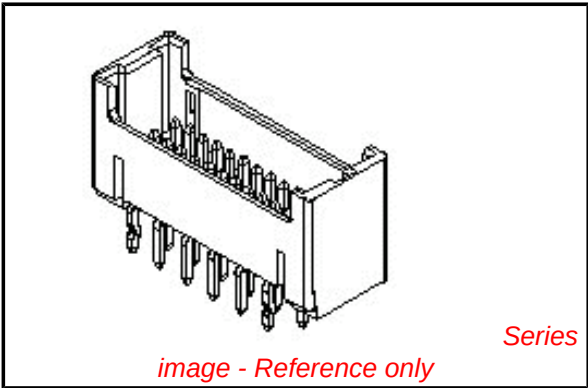
Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-54596-019 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	PCB Headers
Series	55451
Application	Wire-to-Board
Product Name	Mini Mi II™
Physical	
Breakaway	No
Circuits (Loaded)	40
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	Yes
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	2
Orientation	Vertical
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
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

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

Material Info

Reference - Drawing Numbers	
Packaging Specification	SPK-55451-001
Product Specification	PS-54596-019
Sales Drawing	SD-55451-006



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS

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
[55451Series](#)

Mates With
[54596](#) IDT Receptacle Housing

This document was generated on 05/27/2010

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DO NOT SCALE DRAWING

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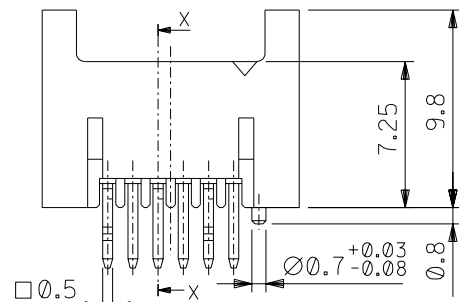
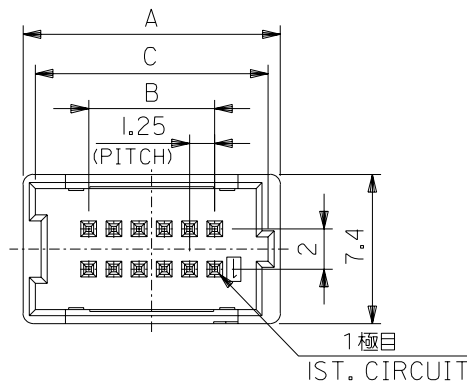
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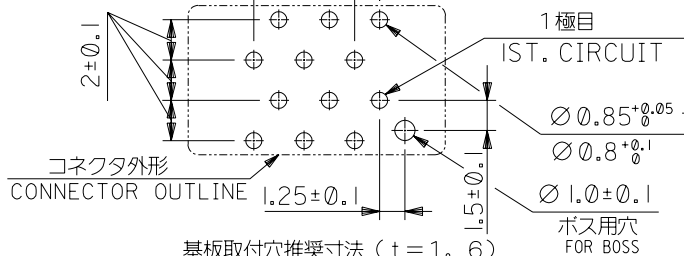
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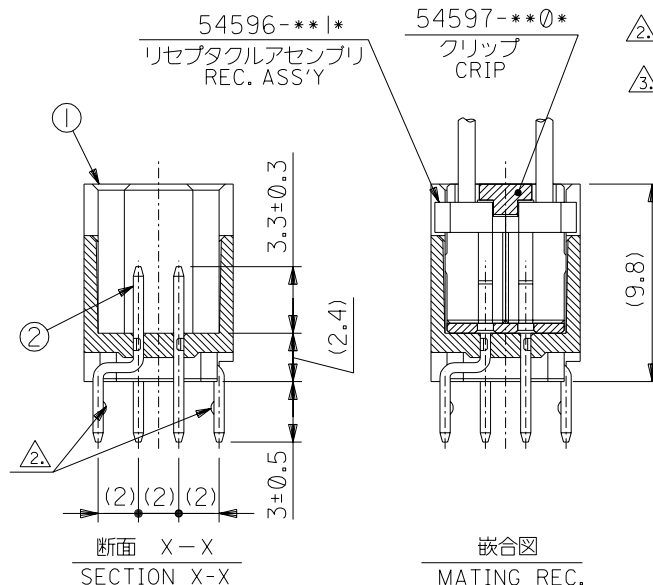
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非累積公差
NON-CUMULATIVE



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



無鉛
LEAD FREE

4		3	2		1
番号 NO.	名称 NAME	原料 MATERIAL	数量 QTY	仕上げ FINISH	
①	ウエハー WEFAR	ナイロン NYLON	I	UL94V-0	
②	ピン PIN	黄銅 BRASS	N	全体錫メッキ PRE-TINNED	

注)NOTES

1. 原料および仕上げ：表参照
MATERIAL AND FINISH : SEE CHART

△2. キングは、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.
55451-**7*

極数 CIRCUIT SIZE (10 ~ 40)

メッキ仕様：無鉛 PLATING:LEAD FREE

色
COLOR 0: 自然色 NATURAL

29.05	23.75	30.25	40	55451-407*
27.8	22.5	29	38	▲ -387*
26.55	21.25	27.75	36	▲ -367*
25.3	20	26.5	34	▲ -347*
24.05	18.75	25.25	32	▲ -327*
22.8	17.5	24	30	▲ -307*
21.55	16.25	22.75	28	▲ -287*
20.3	15	21.5	26	▲ -267*
19.05	13.75	20.25	24	▲ -247*
17.8	12.5	19	22	▲ -227*
16.55	11.25	17.75	20	▲ -207*
15.3	10	16.5	18	▲ -187*
14.05	8.75	15.25	16	▲ -167*
12.8	7.5	14	14	▲ -147*
11.55	6.25	12.75	12	▼ -127*
10.3	5	11.5	10	55451-107*
C	B	A	極数 CIRCUIT SIZE	△3. 製品番号 MATERIAL NO.

MODEL NO.	55451-***7*
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DIMENSIONS:		SHT	REV
☐ $\frac{\text{mm}}{\text{INCH}}$	☐ $\frac{\text{INCH}}{\text{mm}}$	☒ mm ONLY	
		REVISE ON CAD ONLY	

TITLE: Mini MiII 2-ROW WAFER ASS'Y (Sn)

MOLEX INCORPORATED

MATERIAL NO. SEE CHART	DRAWING NO. SD-55451-006	SHEET NO. 1 OF 1
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

ET NO.	F I
SIZE	B

EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			EC NO. DRWN: CHK: APPR:			新規格作成 EC NO. J2003-2786 DRWN:N.YOSHIDA'03/05/01 CHK:K.M.YAGI APPR: Y.OITO	DESCRIPTION	MATERIAL 材料	GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差		SCALE 4-1	DESIGN UNITS ☒ mm ☐ INCH	 THIRD ANGLE PROJECTION	☐ mm INCH ☐ mm ONLY	REVISE ON CAD ONLY				
														SEE CHART	10 UNDER 未満	±0.2	DRAWN BY & DATE N.YOSHIDA '03/02/12		TITLE: Mini MiII 2-ROW WAFER ASS'Y (Sn)						
														FINISH 仕上り	10 OVER 以上 30 UNDER 未満	±0.25	CHECKED BY & DATE <i>H. Naga</i>								
														SEE CHART	30 OVER 以上	±0.3	APPROVED BY & DATE <i>Y.Oto</i>		MOLEX INCORPORATED						
														WIRE RANGE 適用電線範囲		ANGLE 角度	±3°	CAD FILENAME 55451006.S01				MATERIAL NO. SEE CHART	DRAWING NO. SD-55451-006	SHEET NO. 1 OF 1	
												REV	INS. RANGE 被覆外径		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.										SIZE B

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