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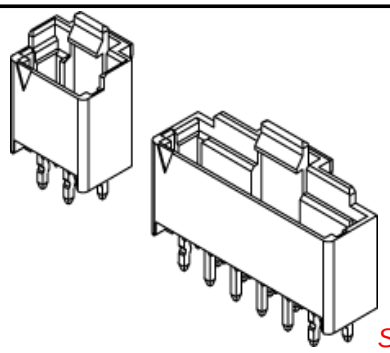
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0554471370

Status: Active

Description: 1.25mm (.049") Pitch Mi ll™ System Wire-to-Board Header, Single Row, Vertical, with Positive Lock, Lead-free, 13 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-54596-018 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	55447
Application	Wire-to-Board
Product Name	Mini Mi II™

Physical

Breakaway	No
Circuits (Loaded)	13
Circuits (maximum)	13
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
Material - Resin	Nylon
Number of Rows	1
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
Polarized to Mating Part	Yes
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

Product Specification	PS-54596-018, RPS-54596-024
Sales Drawing	SD-55447-010

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

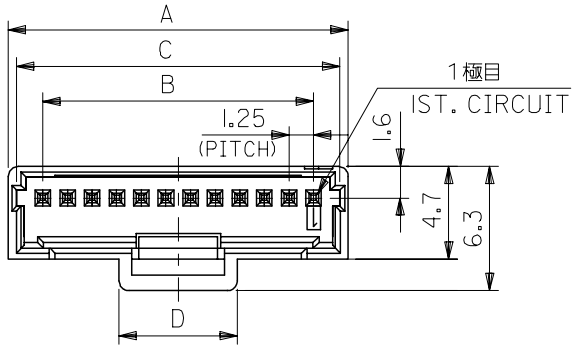
Please visit the Contact Us section for any non-product compliance questions.

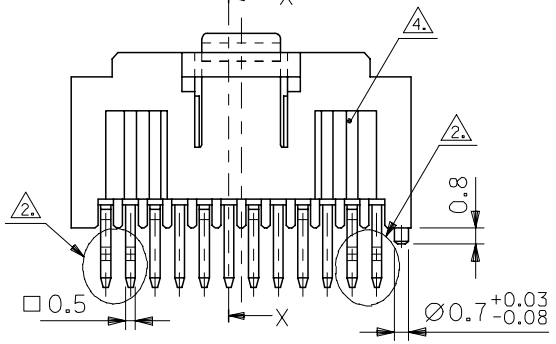
Search Parts in this Series
55447Series

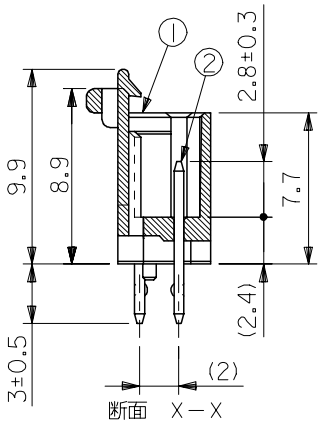
Mates With
51336 PBT Polyester, Glass-filled Housing.
54596 PA Polyamide Housing

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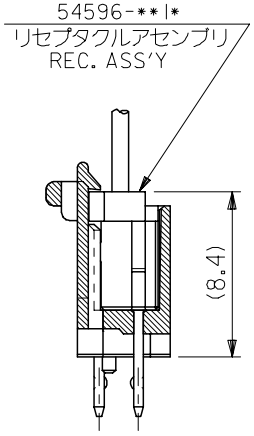
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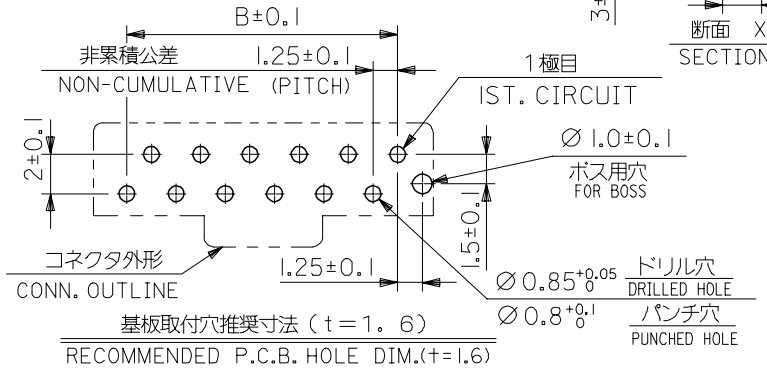




断面 X－X
SECTION X-X



嵌合図
MATING REC.



基板取付穴推奨寸法（t＝1．6）
RECOMMENDED P.C.B. HOLE DIM.(t=1.6)

番号 NO.	名称 NAME	原料 MATERIAL	数量 QT'Y	仕上げ FINISH
①	ウエハー WEFAR	ナイロン NYLON	1	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.
55447-**7*
極数 CIRCUIT SIZE (02 ～ 20)
メッキ仕様：無鉛 PLATING:LEAD FREE
色 COLOR 0:自然色 NATURAL
2: 赤 RED , 3: 黄 YELLOW

4. 側面の溝は、１０極以上に適用。
SIDE DITCHES MUST BE APPLICABLE OVER 10 CIRCUIT SIZE.

D	C	B	A	極数 CIRCUIT SIZE	3. 製品番号 MATERIAL NO.
6	26.4	23.75	27.25	20	55447-207*
	25.15	22.5	26	19	-197*
	23.9	21.25	24.75	18	-187*
	22.65	20	23.5	17	-177*
	21.4	18.75	22.25	16	-167*
	20.15	17.5	21	15	-157*
	18.9	16.25	19.75	14	-147*
	17.65	15	18.5	13	-137*
	16.4	13.75	17.25	12	-127*
	15.15	12.5	16	11	-117*
	13.9	11.25	14.75	10	-107*
	12.65	10	13.5	9	-097*
	11.4	8.75	12.25	8	-087*
	10.15	7.5	11	7	-077*
	8.9	6.25	9.75	6	-067*
	7.65	5	8.5	5	-057*
4.75	6.4	3.75	7.25	4	-047*
	5.15	2.5	6	3	-037*
	3.9	1.25	4.75	2	55447-027*

MODEL NO. 55447-**7*

REVISED
EC NO: J2006-0438 2005/08/08
DRWN:MNABEI 2005/08/09
CHKD:KTOYODA
APPR:NUKITA 2005/08/19
DESCRIPTION
REV A

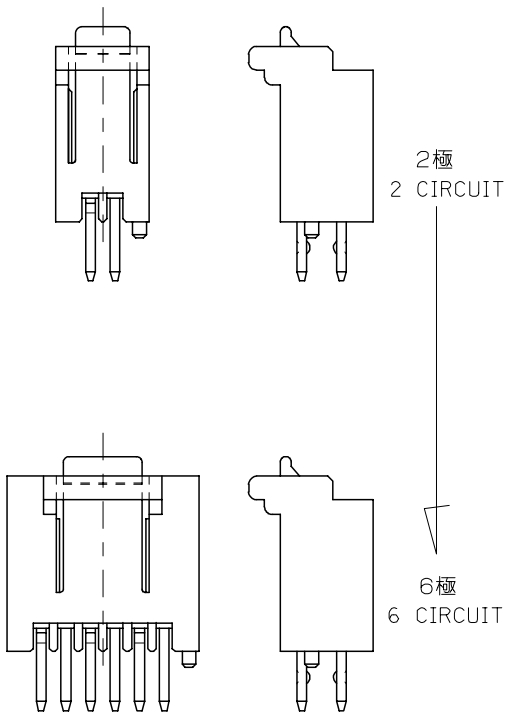
GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

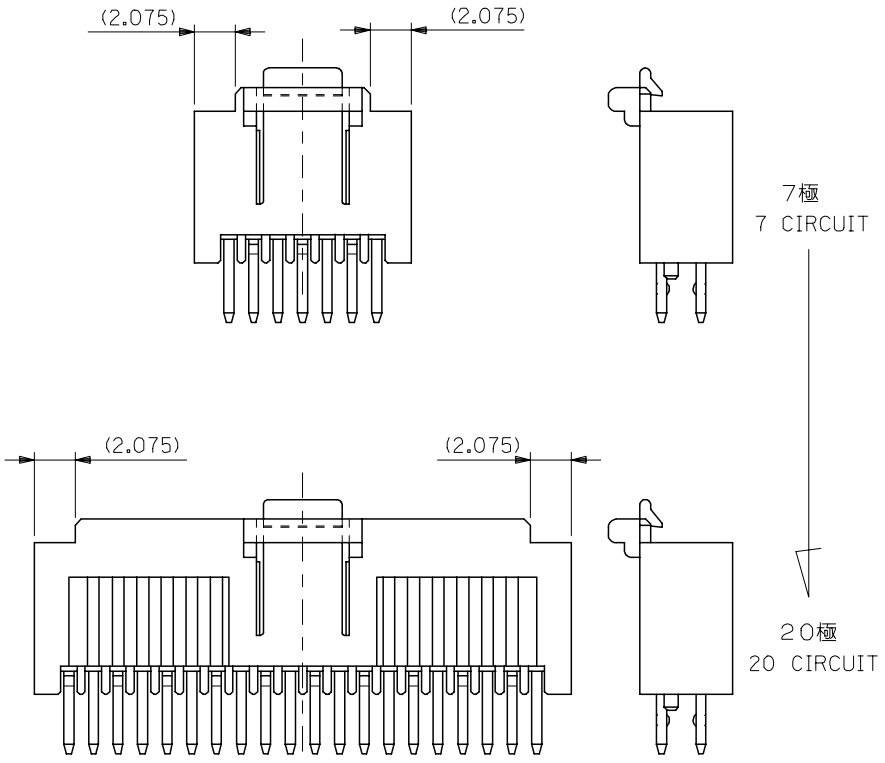
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	4:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	N.YOSHIDA '03/02/07
CHECKED BY / DATE	M.YAGI '03/02/07
APPROVED BY / DATE	Y.ITO '03/02/07
MATERIAL NO.	SEE CHART
TITLE	MINI MI2 1-ROW WAFER ASS'Y (SN) -LEAD FREE-
	MOLEX INCORPORATED
DOCUMENT NO.	SD-55447-010
SHEET NO.	1 OF 2
SIZE	A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



2極～6極のハウジング形状
SHAPE OF HS'G FROM 2 TO 6 CIRCUIT



7極～20極のハウジング形状
SHAPE OF HS'G FROM 7 TO 20 CIRCUIT

REVISED
EC NO: J2006-0438 2005/08/08
DRWN:MNABEI 2005/08/09
CHKD:KTOYODA 2005/08/19
APPR:NUKITA
DESCRIPTION
REV
A

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR ±3 °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 4:1	DESIGN UNITS: METRIC	THIRD ANGLE PROJECTION
DRAWN BY: N.YOSHIDA DATE: '03/02/07	TITLE: MINI MI2 1-ROW WAFER ASS'Y (SN) -LEAD FREE-		
CHECKED BY: M.YAGI DATE: '03/02/07			
APPROVED BY: Y.ITO DATE: '03/02/07	molex MOLEX INCORPORATED		
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-55447-010	SHEET NO.: 2 OF 2	
SIZE: A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		