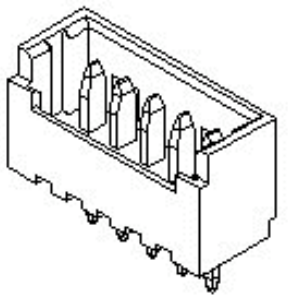
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0530471210
Status: Active
Overview: picoblade
Description: 1.25mm (.049") Pitch PicoBlade™ Wire-to-Board Header, Vertical, with Friction Lock, 12 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-51021-010 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	53047
Application	Wire-to-Board
Overview	picoblade
Product Name	PicoBlade™

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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
Mated Height (in)	0.205 In
Mated Height (mm)	5.20 mm
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.091 In
PC Tail Length (mm)	2.30 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.031 In
PCB Thickness Recommended (mm)	0.80 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.049 In
Pitch - Mating Interface (mm)	1.25 mm
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	125V

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-53047

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

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
53047Series

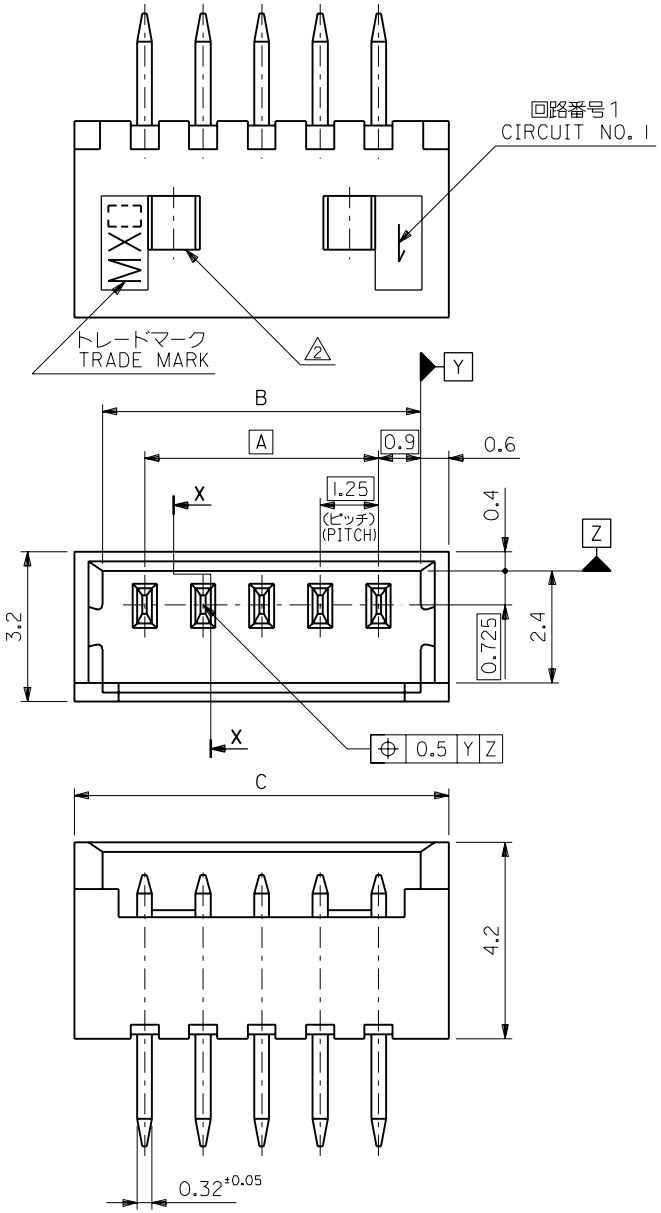
Mates With
51021 PicoBlade™ Wire-to-Wire

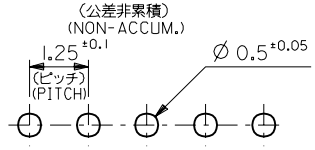
Product Specification	PS-51021-010, RPS-51021-007, RPS-51021-011, RPS-51021-041, RPS-51021-059, RPS-51021-060, RPS-51021-071, RPS-51021-089
Sales Drawing	SD-53047-**10

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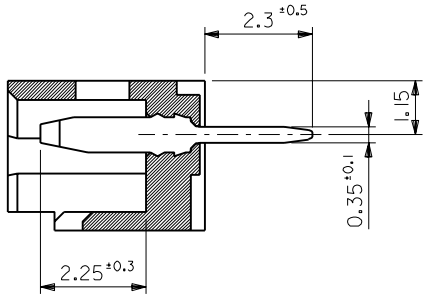
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DWG. NO. SD-53047-**10





基板取付穴推奨寸法
RECOMMENDED P.C.BOARD HOLE DIMENSIONS
(t=0.8)



SECT. X-X

注記
NOTES

1. 嵌合相手 : 51021 シリーズ
   MATES WITH : 51021 SERIES
2. ロック窓は2極と3極は1ヵ所、4極以上は2ヵ所とする。
   LOCK WINDOW :
   ONE PLACE FOR 2 AND 3 CKTS.
   TWO PLACES FOR 4 AND MORE THAN 4 CKTS.
3. 材料
   ウエハー：66ナイロン、UL94V-0（カラー：オフホワイト）
   ピン：リン青銅、錫メッキ（0.9 μm MIN.）
   MATERIAL
   WAFER : 66NYLON, UL94V-0 (COLOR : OFF-WHITE)
   PIN : PHOSPHOR BRONZE, PRE-TINNED (0.9 μm MIN.)

C	B	A	ENG. NO.	極数 NO. OF CKTS.
20.5	19.3	17.5	53047-1510	15
19.25	18.05	16.25	-1410	14
18	16.8	15	-1310	13
16.75	15.55	13.75	-1210	12
15.5	14.3	12.5	-1110	11
14.25	13.05	11.25	-1010	10
13	11.8	10	-0910	9
11.75	10.55	8.75	-0810	8
10.5	9.3	7.5	-0710	7
9.25	8.05	6.25	-0610	6
8	6.8	5	-0510	5
6.75	5.55	3.75	-0410	4
5.5	4.3	2.5	-0310	3
4.25	3.05	1.25	53047-0210	2

角度 ANGLE	±3°
30以上 OVER	±0.3
10以上 OVER 30未満 UNDER	±0.25
10未満 UNDER	±0.2
一般公差 GENERAL TOLERANCES	

記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE
E	変更及び再作図 REVISED AND REDRAWN (J40963)	H.H M.F	'94/11/23

材料 MATERIAL 注記3 参照 SEE NOTE 3
仕上げ FINISH
適用電線範囲 WIRE RANGE
被覆外径 INS. RANGE

DRAWN BY '94/11/23 H.HIRAMOTO
CHK'D BY '94/11/24 M.FUKUSHIMA
APP'D BY '94/11/24 M.FUKUSHIMA
尺度 SCALE 10 - 1

MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社

REVISE ONLY ON CAD SYSTEM

TITLE 名称
1.25 WIRE TO BOARD CONN. WAFER ASS'Y STRAIGHT

DWG. NO. SD-53047-**10
REV E

53047.S11

:MM DIMENSIONS IN METRIC DO NOT SCALE DRAWING

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