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Part Number:

0530471010

Status:

Active

Overview:

[picoblade](#)

Description:

1.25mm (.049") Pitch PicoBlade™ Wire-to-Board Header, Vertical, with Friction Lock, 10 Circuits

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)	10
Circuits (maximum)	10
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
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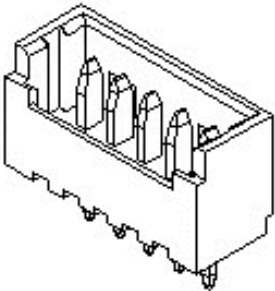


image - Reference only

Series

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

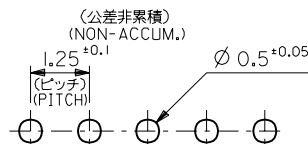
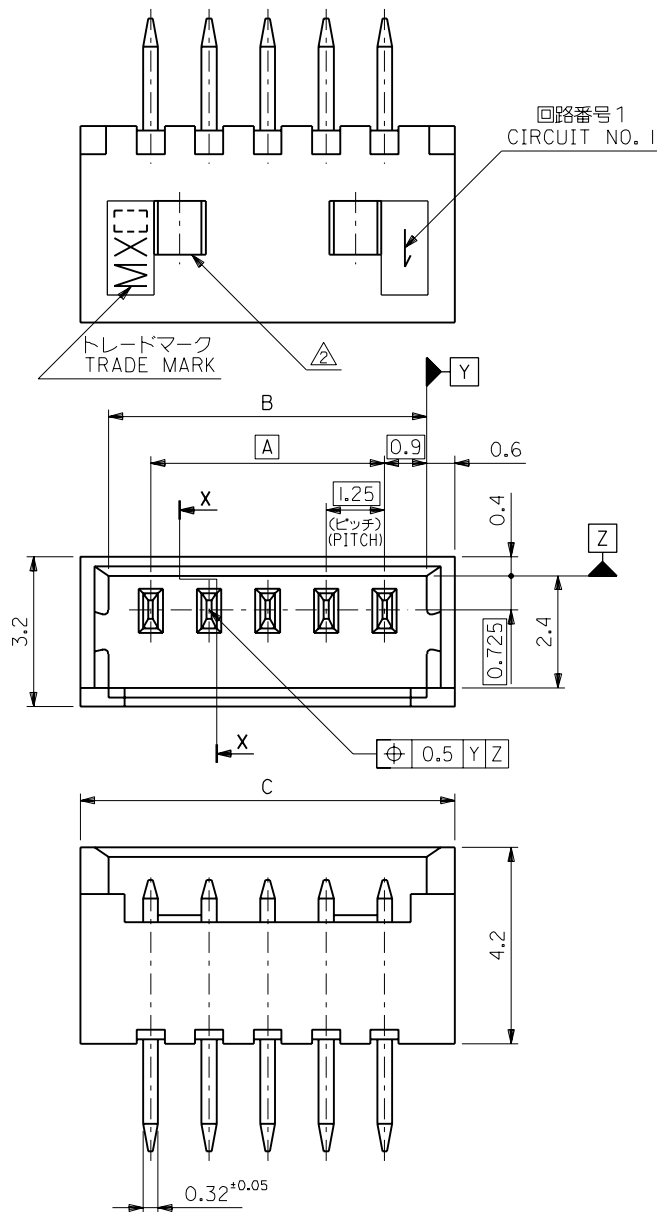
Sales Drawing

PS-51021-010, RPS-51021-007, RPS-51021-011,
RPS-51021-019, RPS-51021-041, RPS-51021-059,
RPS-51021-060, RPS-51021-071, RPS-51021-089
SD-53047-**10

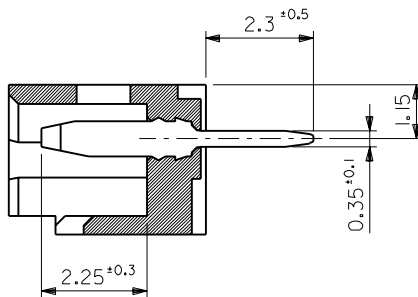
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基板取付穴推奨寸法
RECOMMENDED P.C.BOARD HOLE DIMENSIONS
(t=0.8)



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カ所、4極以上は2カ所とする。
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.)

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
C	B	A	ENG. NO.	極 数 NO. OF CKTS.

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

記号	変更及び再作図	H.H.	
LTR	REVISIO AND REORAN	M.F.	
REVISION RECORD		DR.	
		CHK.	
		DATE	

材料	注記3 参照
MATERIAL	SEE NOTE 3
仕上げ	—H—
FINISH	
適用電線範囲	—H—
WIRE RANGE	
被覆外径	—H—
INS. RANGE	
DRAWN BY '94/11/23	CHK'D BY '94/11/24
H.HIRAMOTO	M.FUKUSHIMA
APP'D BY '94/11/24	尺 度
M.FUKUSHIMA	SCALE 10 - 1

材料	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.	REV
SD-53047-***10	E