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Part Number: [0010321021](#)
Status: **Active**
Description: 5.08mm (.200") Pitch SPOX™ Wire-to-Board Header, Vertical, with Friction Lock, 2 Circuits

Documents:

3D Model	Product Specification PS-5197-004 (PDF)
Drawing (PDF)	Product Specification PS-5197-005 (PDF)
Product Specification PS-5197-001 (PDF)	Product Specification PS-5281-002 (PDF)
Product Specification PS-5197-003 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

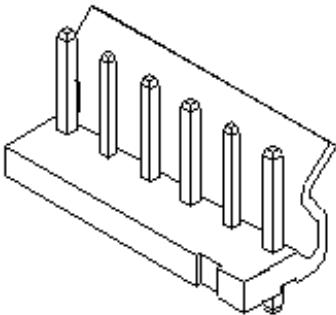
CSA	LR19980
TUV	R72090224
UL	E29179

General

Product Family	PCB Headers
Series	5281
Application	Wire-to-Board
Product Name	SPOX™

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.142 In
PC Tail Length (mm)	3.60 mm
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.200 In
Pitch - Mating Interface (mm)	5.08 mm
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5
Polarized to PCB	No
Shrouded	Partial
Stackable	No



Series
image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No
Halogen-Free
Status**

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
[5281](#)Series

Mates With
[5197](#) SPOX™ Crimp Terminal Housing

Surface Mount Compatible (SMC)
Temperature Range - Operating
Termination Interface: Style

No
-40°C to +105°C
Through Hole

Electrical

Current - Maximum per Contact
Voltage - Maximum

7A
250V

Material Info

Old Part Number

5281-02A

Reference - Drawing Numbers

Product Specification

PS-5197-001, PS-5197-003, PS-5197-004,
PS-5197-005, PS-5281-002, RPS-5197-001,
RPS-5281-001

Sales Drawing

SD-5281-NA

This document was generated on 04/14/2010

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⊕ Ø 0.6 Y Z

ピン (ロ1.14X17.45)
PIN
(黄銅, 銅下地銅メッキ
BRASS, TIN OVER COPPER PLATING)

ウエハー
WAFER
(ナイロン66, UL94V-2)
NYLON66,

⊕ Ø 0.6 Y Z

(2)

△ 2.54

5.08
(PITCH)

A

B ±0.5

Y

(公差非累積)
(NON-ACCUM.)

5.08 ±0.1

(ピッチ)
(PITCH)

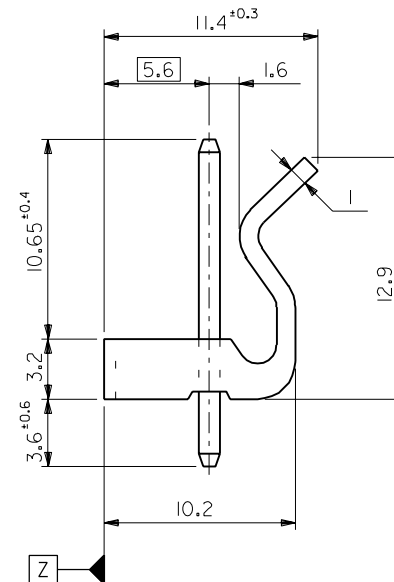
Ø 1.8 ±0.05

基板取付穴推奨寸法

RECOMMENDED P.C.B.HOLE DIMENSION

注記
NOTE

- 1 ウエハーのそりは,長さ 25.4 に対して0.24 MAX..
CAMBER MUST BE 0.24 MAX. PER 25.4
△ 全極数が偶数の場合のみ適用。
TO BE APPLIED ONLY WHEN ALL CKTS. ARE EVEN.



44.64	40.64	10-32-1091	5281-09A	9
39.56	35.56	↑ -1081	↑ -08A	8
34.48	30.48	↑ -1071	↑ -07A	7
29.4	25.4	↑ -1061	↑ -06A	6
24.32	20.32	↑ -1051	↑ -05A	5
19.24	15.24	↑ -1041	↑ -04A	4
14.16	10.16	↑ -1031	↑ -03A	3
9.08	5.08	10-32-1021	5281-02A	2
B	A	EDP NO.	ENG. NO.	極数 NO. OF CKTS.

角度 ANGLE	±3°					材料 MATERIAL	図中参照 SEE DRAWING
30 以上 OVER	±0.3					仕上げ FINISH	—H—
10 以上 30 未満 OVER UNDER	±0.25	E 変更 REVISED	LC60668	T.Y.	M.F.	適用電線範囲 WIRE RANGE	—H—
10 未満 UNDER	±0.2	D 再作図 & 変更 REDRAWN & REVISED	(40394)	H.H.	H.H.	被覆外径 INS. RANGE	—H—
一般公差 GENERAL TOLERANCES		記号 LTR	変更内容 REVISION RECORD	DR. CHK.	日付 DATE	DRAWN BY '94/05/26 H.HASEGAWA	CHK'D BY '96/03/25 S.A. M.FUKUSHIMA
						APP'D BY '96/03/25 M.FUKUSHIMA	尺度 SCALE 4 : 1

MOLEX-JAPAN CO.,LTD. 日本モレックス株式会社	
REVISE ONLY ON CAD SYSTEM	
TITLE 名称 KK 5.08 WAFER ASS'Y WITH LOCK	
DWG. NO. SD-5281-NA	REV E