

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0022041101](#)
Status: **Active**
Overview: [kk](#)
Description: 2.50mm (.098") Pitch Wire-to-Board KK® Header, Vertical, with Friction Ramp, 10 Circuits, Tin (Sn) Plating

Documents:

3D Model	Product Specification PS-5102-001 (PDF)
Drawing (PDF)	Product Specification PS-5102-002 (PDF)
Product Specification PS-5045-001 (PDF)	Product Specification PS-51191-002 (PDF)
Product Specification PS-5045-002 (PDF)	Product Specification PS-5251-001 (PDF)
Product Specification PS-5051-005 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

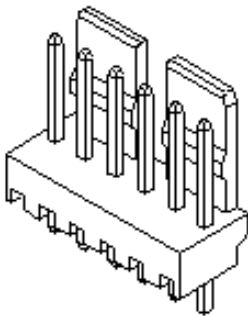
CSA	LR19980
TUV	R72090224
UL	E29179

General

Product Family	PCB Headers
Series	5045
Application	Wire-to-Board
Overview	kk
Product Name	KK®

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
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)	0.134 In
PC Tail Length (mm)	3.40 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)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Plating min: Mating (µin)	200
Plating min: Mating (µm)	5
Plating min: Termination (µin)	200
Plating min: Termination (µm)	5



*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.

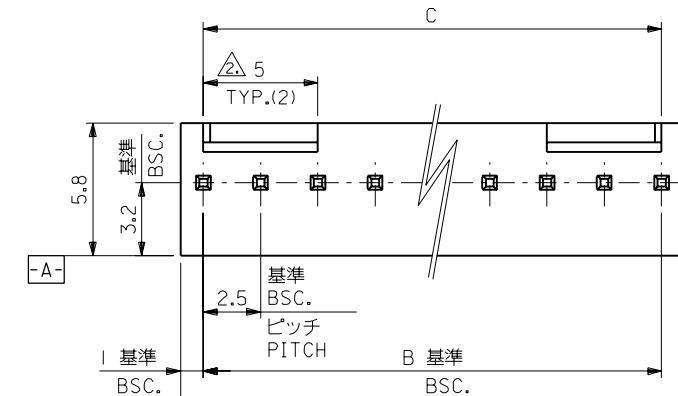
Search Parts in this Series
[5045Series](#)

Mates With
KK® 2.50mm (.098") housings, [51191](#) ,
[5051](#)

Polarized to PCB	No
Shrouded	Partial
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	3A
Voltage - Maximum	250V
Material Info	
Old Part Number	5045-10A
Reference - Drawing Numbers	
Packaging Specification	SPK-5045
Product Specification	PS-5045-001, PS-5045-002, PS-5051-005, PS-5102-001, PS-5102-002, PS-51191-002, PS-5251-001, RPS-5045-001, RPS-51191-007
Sales Drawing	SD-5045-NA

This document was generated on 05/26/2010

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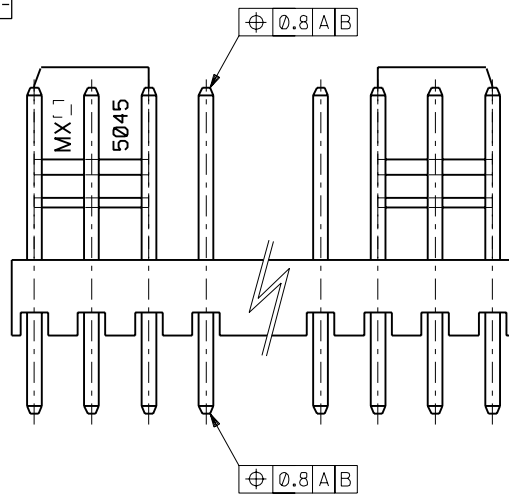


5.8
基準
BSC.

I 基準
BSC.

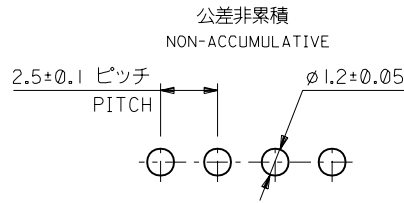
2.5
基準
BSC.
ピッチ
PITCH

B 基準
BSC.



⌀0.8 A B

⌀0.8 A B



基板取付穴推奨寸法
RECOMMENDED P.C.BOARD HOLE DIM.

注)
NOTE.

- 材料
MATERIAL
ピン : 0.635x14.2 黄銅、銅下地錫メッキ
PIN: 0.635x14.2 BRASS TIN OVER COPPER PLATING.
ウェハー : ナイロン66, UL 94V-0
WAFER: NYLON66, UL94V-0
- 6極以上に適用
TO BE APPLIED FOR 6 CKT. AND MORE THEN 6 CKT.
- 5極以下はロック部スリットなし
NO SLIT IS PROVIDED FOR 5 CKT. AND LESS THAN 5 CKT.

D	E	C	B	EDP.NO.	ENG.NO.	極数 CKT.
1.35	0.85	47.5	47.5	22-04-1201	5045-20A	20
		45	45	-1191	-19A	19
		42.5	42.5	-1181	-18A	18
		40	40	-1171	-17A	17
		37.5	37.5	-1161	-16A	16
		35	35	-1151	-15A	15
		32.5	32.5	-1141	-14A	14
		30	30	-1131	-13A	13
		27.5	27.5	-1121	-12A	12
		25	25	-1111	-11A	11
		22.5	22.5	-1101	-10A	10
		20	20	-1091	-09A	9
		17.5	17.5	-1081	-08A	8
		15	15	-1071	-07A	7
		12.5	12.5	-1061	-06A	6
		10	10	-1051	-05A	5
1.35	0.85	7.5	7.5	-1041	-04A	4
1.2	1	5	5	-1031	-03A	3
1.2	1	2.5	2.5	22-04-1021	5045-02A	2
D	E	C	B	EDP.NO.	ENG.NO.	極数 CKT.

REV	DESCRIPTION	WIRE RANGE 適用電線範囲	INS. RANGE 被覆外径
1	REDRAWN J2000-0629 DRWN: K.KOHAMA CHK: T.YAMAGUCHI APPR: M.FUKUSHIMA		
2			
3			
4			
5			
6			
7			
8			

MATERIAL 材料	FINISH 仕上り	WIRE RANGE 適用電線範囲	INS. RANGE 被覆外径
注記参照 SEE NOTES			

GENERAL TOLERANCES: (UNLESS SPECIFIED) 一般公差	SCALE 5:1	DESIGN UNITS mm	DRAWN BY & DATE K.KOHAMA 00/ 3/28	CHECKED BY & DATE T.YAMAGUCHI 00/ 3/30	APPROVED BY & DATE M.FUKUSHIMA 00/ 3/30	CAD FILENAME S5045.S01	MATERIAL NO. 5045-***A	DRAWING NO. SD-5045-NA	SHEET NO. 1
10 UNDER 未満	±0.4 ±0.2								
10 OVER 30 UNDER 以上 未満	±0.4 ±0.25								
30 OVER 以上	±0.4 ±0.3								
ANGLE 角度	±3°								

DIMENSIONS: 寸法	PROJECTION 投影	SCALE 5:1	DESIGN UNITS mm	DRAWN BY & DATE K.KOHAMA 00/ 3/28	CHECKED BY & DATE T.YAMAGUCHI 00/ 3/30	APPROVED BY & DATE M.FUKUSHIMA 00/ 3/30	CAD FILENAME S5045.S01	MATERIAL NO. 5045-***A	DRAWING NO. SD-5045-NA	SHEET NO. 1
20mm	20mm	5:1	mm							
20mm	20mm	5:1	mm							
20mm	20mm	5:1	mm							
20mm	20mm	5:1	mm							
20mm	20mm	5:1	mm							
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20mm	20mm	5:1	mm							