

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0010101041](#)
Status: **Active**
Overview: [kk](#)
Description: 5.08mm (.200") Pitch KK® PC Board Connector, Right Angle Mount Style A, 1.0µm (40µ") Tin (Sn), 4 Circuits

Documents:

3D Model	Product Specification PS-99020-0087 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	3002
Application	Board-to-Board
Overview	kk
Product Name	KK®

Physical

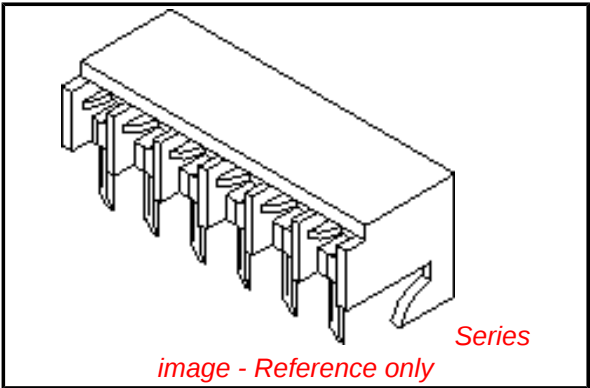
Circuits (Loaded)	4
Color - Resin	Natural
Durability (mating cycles max)	25
Flammability	94V-2
Glow-Wire Compliant	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.169 In
PC Tail Length (mm)	4.30 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.200 In
Pitch - Mating Interface (mm)	5.08 mm
Plating min: Mating (µin)	40.00
Plating min: Mating (µm)	1.000
Plating min: Termination (µin)	40.00
Plating min: Termination (µm)	1.00
Polarized to PCB	Yes
Temperature Range - Operating	0°C to +75°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	7A
Voltage - Maximum	250V

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)
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EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**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
[3002Series](#)

Mates With
[3003](#) , [2599](#) , [3008](#)

Material Info

Old Part Number 300204A

Reference - Drawing Numbers

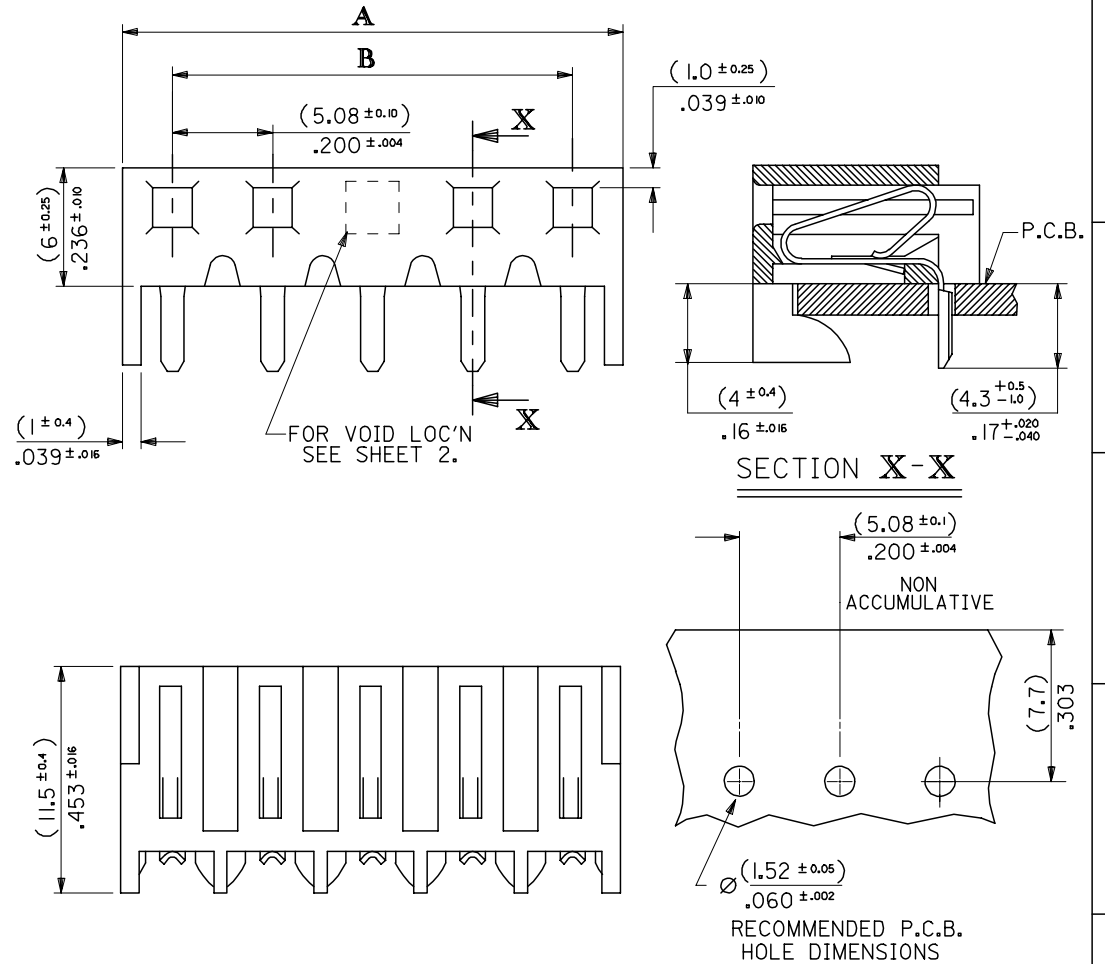
Product Specification PS-99020-0087

Sales Drawing SDAE-3002-NA-*

This document was generated on 06/02/2010

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CCT	PART No.	ENG No.	DIM A	DIM B
2	10-10-1021	AE-3002-2A	(5.08 ± 0.10) .200 ± .004	(10.16 ± 0.2) .400 ± .008
3	↑ -1031	↑ -3A	(10.16 ± 0.10) .400 ± .004	(15.24 ± 0.2) .600 ± .008
4	-1041	-4A	(15.24 ± 0.10) .600 ± .004	(20.32 ± 0.2) .800 ± .008
5	-1051	-5A	(20.32 ± 0.10) .800 ± .004	(25.40 ± 0.2) 1.000 ± .008
6	-1061	-6A	(25.40 ± 0.10) 1.000 ± .004	(30.48 ± 0.2) 1.200 ± .008
7	-1071	-7A	(30.48 ± 0.20) 1.200 ± .008	(35.56 ± 0.2) 1.400 ± .008
8	-1081	-8A	(35.56 ± 0.20) 1.400 ± .008	(40.64 ± 0.2) 1.600 ± .008
9	-1091	-9A	(40.64 ± 0.20) 1.600 ± .008	(45.72 ± 0.2) 1.800 ± .008
10	-1101	-10A	(45.72 ± 0.20) 1.800 ± .008	(50.80 ± 0.2) 2.000 ± .008
11	-1111	-11A	(50.80 ± 0.20) 2.000 ± .008	(55.88 ± 0.2) 2.200 ± .008
12	-1121	-12A	(55.88 ± 0.25) 2.200 ± .010	(60.96 ± 0.30) 2.400 ± .012
13	-1131	-13A	(60.96 ± 0.25) 2.400 ± .010	(66.04 ± 0.30) 2.600 ± .012
14	-1141	-14A	(66.04 ± 0.25) 2.600 ± .010	(71.12 ± 0.30) 2.800 ± .012
15	-1151	-15A	(71.12 ± 0.25) 2.800 ± .010	(76.20 ± 0.30) 3.000 ± .012
16	-1161	-16A	(76.20 ± 0.25) 3.000 ± .010	(81.28 ± 0.40) 3.200 ± .016
17	-1171	-17A	(81.28 ± 0.30) 3.200 ± .012	(86.36 ± 0.40) 3.400 ± .012
18	-1181	-18A	(86.36 ± 0.30) 3.400 ± .012	(91.44 ± 0.40) 3.600 ± .016
19	↓ -1191	↓ -19A	(91.44 ± 0.30) 3.600 ± .012	(96.52 ± 0.40) 3.800 ± .012
20	10-10-1201	AE-3002-20A	(96.52 ± 0.30) 3.800 ± .012	(101.60 ± 0.40) 4.000 ± .016



NOTES

1. HOUSING: NYLON, 94V-2, NATURAL
2. HOUSING SUITABLE FOR (1.14 ± 0.15) / .045 ± .006 RD. OR SQ. PINS
3. TERMINAL: PHOS. BR, HOT TIN DIP. (1-2.5UM) / .0000040 - .000100 IN.
4. HOOKS AVAILABLE ON ENDS ONLY

ENG NO. CORRECTION EC NO: E2006-0204 DRWN: DENNEHY 2005/09/09 CHKD: GMSWEENEY 2005/09/09 APPR: DENNEHY 2005/09/22	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY GCH	DATE 1995/06/15	TITLE KONEKTCON AND P.C. TAIL TERMINAL ASSEMBLY (5.08)/.200 PITCH				
			4 PLACES	± --- ± ---	CHECKED BY GMSWEENEY	DATE 2005/08/31					
			3 PLACES	± --- ± ---	APPROVED BY JDENNEHY	DATE 2005/08/31					
			2 PLACES	± --- ± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SDAE-3002-NA-*		SHEET NO. 1 OF 2		
1 PLACE	± --- ± ---	SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											