

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0010101021](#)
Status: **Active**
Overview: [kk](#)
Description: 5.08mm (.200") Pitch KK® PC Board Connector, Right Angle Mount Style A, 1.0µm (40µ") Tin (Sn), 2 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

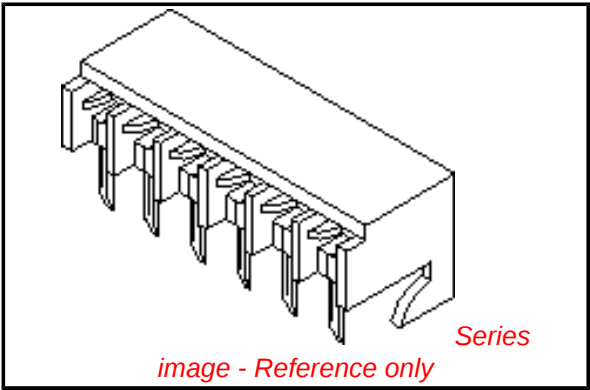
Circuits (Loaded) 2
Color - Resin Natural
Durability (mating cycles max) 25
Flammability 94V-2
Glow-Wire Compliant No
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 1
Orientation Right Angle
PC Tail Length (in) 0.169 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)



EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

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 300202A

Reference - Drawing Numbers

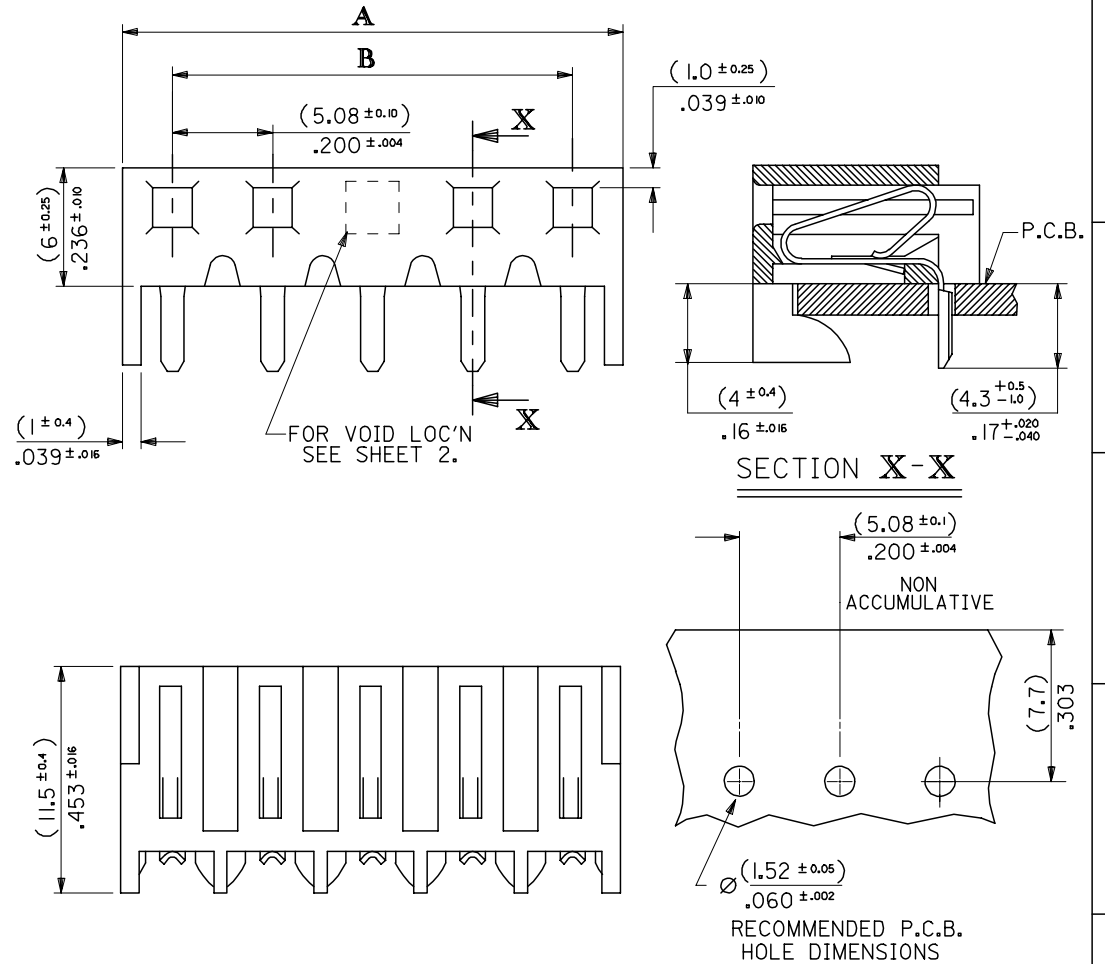
Product Specification PS-99020-0087

Sales Drawing SDAE-3002-NA-*

This document was generated on 05/21/2010

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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	DATE	TITLE KONEKTCON AND P.C. TAIL TERMINAL ASSEMBLY (5.08)/.200 PITCH					
			4 PLACES	± ---	± ---	GCH						1995/06/15
			3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED				
			2 PLACES	± ---	± ---	GMSWEENEY	2005/08/31					
			1 PLACE	± ---	± ---	APPROVED BY	DATE	SEE CHART				
			ANGULAR ± ---°		JDENNEHY	2005/08/31						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.			
					SDAE-3002-NA-*		1 OF 2					
					THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							