

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0010101093](#)  
**Status:** **Active**  
**Overview:** [kk](#)  
**Description:** 5.08mm (.200") Pitch KK® PC Board Connector, Top Entry Mount Style C, 1.0µm (40µ") Tin (Sn), 9 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**

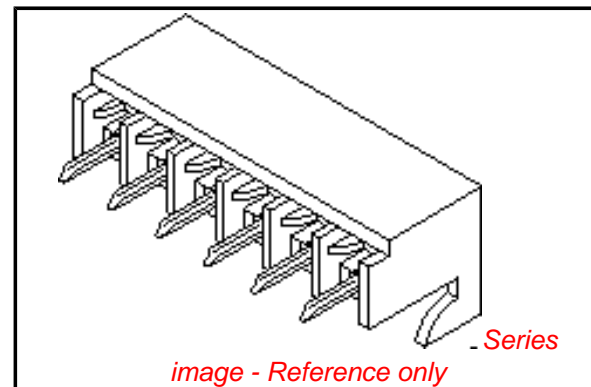
Circuits (Loaded) 9  
 Color - Resin Natural  
 Durability (mating cycles max) 25  
 Flammability 94V-2  
 Glow-Wire Compliant No  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length (in) 0.110 In  
 PC Tail Length (mm) 2.79 mm  
 PCB Locator No  
 PCB Retention None  
 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 No  
 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](mailto: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

300209C

**Reference - Drawing Numbers**

Product Specification

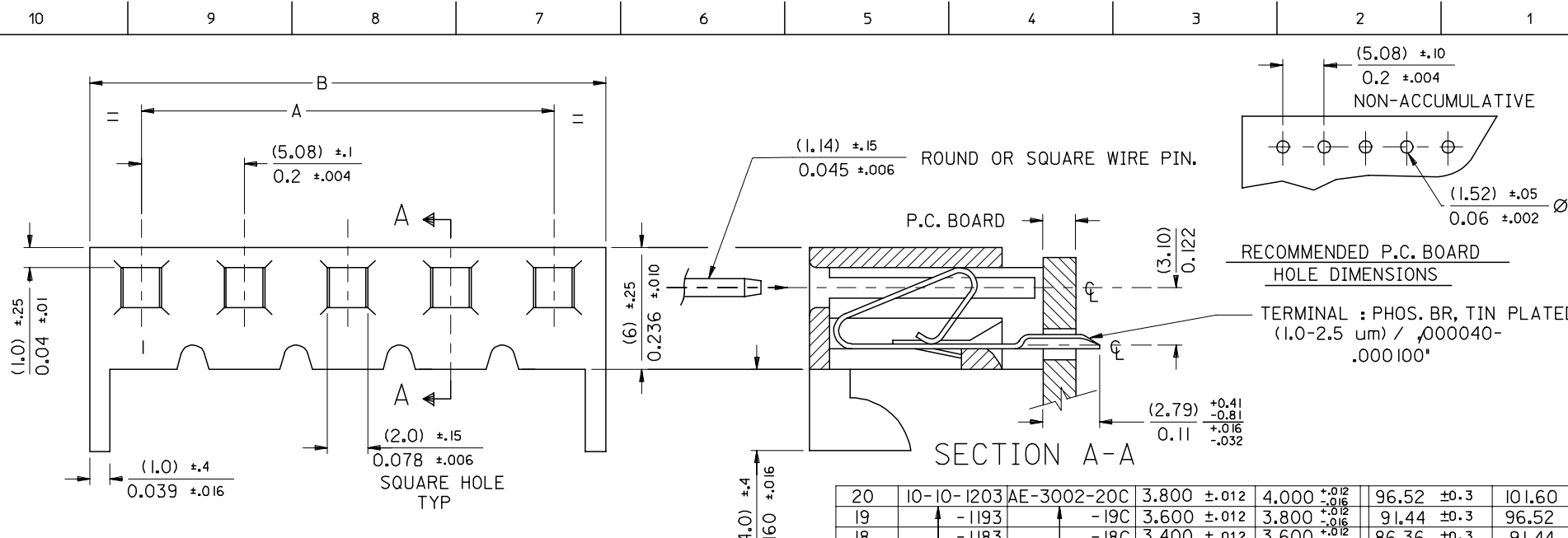
PS-99020-0087

Sales Drawing

SDAE-3002-NC-\*

This document was generated on 05/21/2010

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20	10-10-1203	AE-3002-20C	3.800 ±.012	4.000 +0.012/-0.016	96.52 ±0.3	101.60 ±.3
19	-1193	-19C	3.600 ±.012	3.800 +0.012/-0.016	91.44 ±0.3	96.52 ±.3
18	-1183	-18C	3.400 ±.012	3.600 +0.012/-0.016	86.36 ±0.3	91.44 ±.3
17	-1173	-17C	3.200 ±.012	3.400 +0.012/-0.016	81.28 ±0.3	86.36 ±.3
16	-1163	-16C	3.000 ±.010	3.200 +0.012/-0.016	76.20 ±0.25	81.28 ±.3
15	-1153	-15C	2.800 ±.010	3.000 +0.012/-0.016	71.12 ±0.25	76.20 ±.3
14	-1143	-14C	2.600 ±.010	2.800 +0.012/-0.016	66.04 ±0.25	71.12 ±.3
13	-1133	-13C	2.400 ±.010	2.600 +0.012/-0.016	60.96 ±0.25	66.04 ±.3
12	-1123	-12C	2.200 ±.010	2.400 +0.008/-0.012	55.88 ±0.25	60.96 ±.3
11	-1113	-11C	2.000 ±.008	2.200 +0.008/-0.008	50.80 ±0.20	55.88 ±.3
10	-1103	-10C	1.800 ±.008	2.000 +0.008/-0.008	45.72 ±0.20	50.80 ±.3
9	-1093	-9C	1.600 ±.008	1.800 +0.008/-0.008	40.64 ±0.20	45.72 ±.3
8	-1083	-8C	1.400 ±.008	1.600 +0.008/-0.008	35.56 ±0.20	40.64 ±.3
7	-1073	-7C	1.200 ±.008	1.400 +0.008/-0.008	30.48 ±0.20	35.56 ±.3
6	-1063	-6C	1.000 ±.004	1.200 +0.008/-0.008	25.40 ±0.10	30.48 ±.3
5	-1053	-5C	.800 ±.004	1.000 +0.008/-0.006	20.32 ±0.10	25.40 ±.3
4	-1043	-4C	.600 ±.004	.800 +0.008/-0.006	15.24 ±0.10	20.32 ±.3
3	-1033	-3C	.400 ±.004	.600 +0.008/-0.006	10.16 ±0.10	15.24 ±.3
2	10-10-1023	AE-3002-2C	.200 ±.004	.400 +0.008/-0.006	5.08 ±0.10	10.16 ±.3
No OF CIRCUITS	PART No.	ENG. No.	ENGLISH		METRIC	

**NOTE :**  
 1. DIMENSIONS SHOWN (MILLIMETERS) INCHES  
 2. HOOKS AVAILABLE ON ENDS ONLY  
 3. THIS PART CONFORMS TO MOLEX PROD.SPEC.99020-0087

REVISION UPDATE	DESCRIPTION
K	REV

GENERAL TOLERANCES (UNLESS SPECIFIED)	
4 PLACES	± --- ± ---
3 PLACES	± 0.25 ± .010
2 PLACES	± 0.35 ± .014
1 PLACE	± --- ± ---
ANGULAR ±1/2°	

DIMENSION STYLE	
MM/IN	
DRAWN BY	DATE
P MOORE	1998/09/14
CHECKED BY	DATE
MGOONEY	1999/03/08
APPROVED BY	DATE
MWILHITE	1999/03/08
MATERIAL NO.	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
5:1	METRIC	
TITLE		
KONEKTCON & P.C. TAIL TERMINAL ASSEMBLY		
molex MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SDAE-3002-NC-*	1 OF 2	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS  
 SEE CHART  
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