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Part Number: [0010101083](#)
Status: **Active**
Overview: [kk](#)
Description: 5.08mm (.200") Pitch KK® PC Board Connector, Top Entry Mount Style C, 1.0µm (40µ") Tin (Sn), 8 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

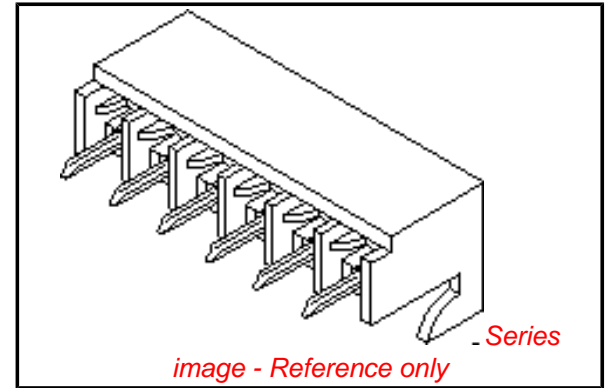
Circuits (Loaded) 8
 Color - Resin Natural
 Durability (mating cycles max) 25
 Flammability 94V-2
 Glow-Wire Compliant No
 Material - Metal Phosphor Bronze
 Material - Plating Mating Tin
 Material - Plating Termination Tin
 Material - Resin Nylon
 Number of Rows 1
 Orientation Vertical
 PC Tail Length (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
 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

300208C

Reference - Drawing Numbers

Product Specification

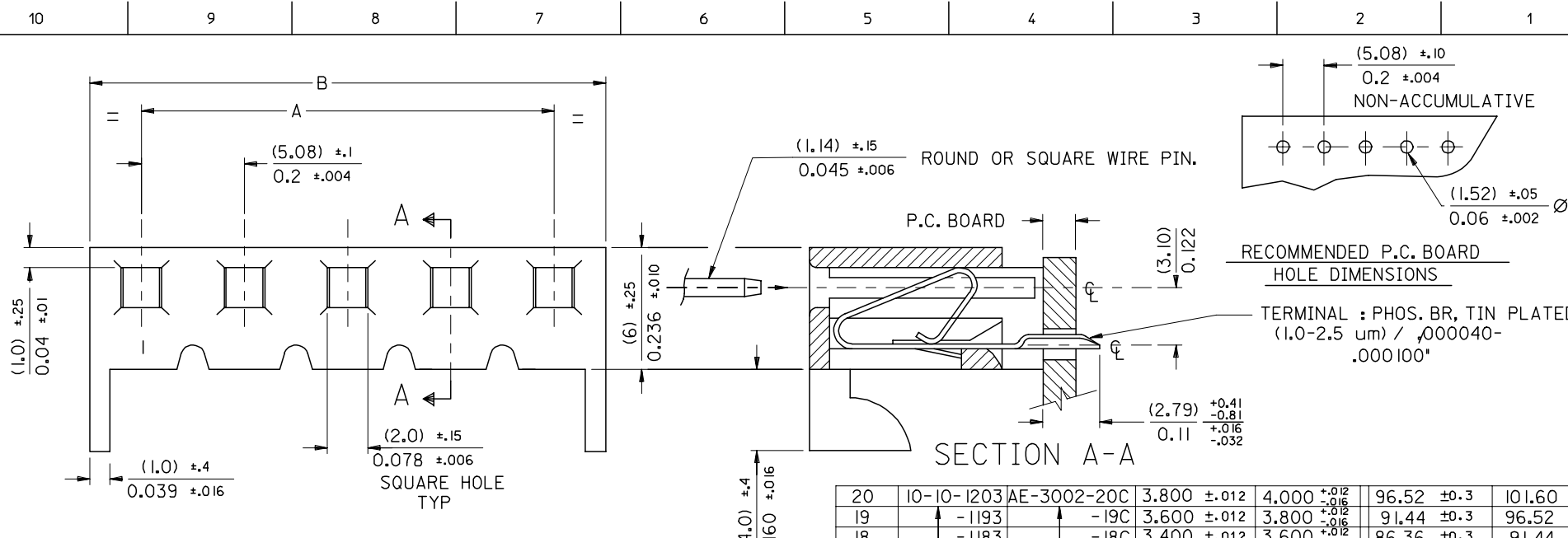
PS-99020-0087

Sales Drawing

SDAE-3002-NC-*

This document was generated on 05/21/2010

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RECOMMENDED P.C. BOARD HOLE DIMENSIONS

TERMINAL : PHOS. BR, TIN PLATED
(1.0-2.5 um) / .000040-.000100

20	10-10-1203	AE-3002-20C	3.800 ±.012	4.000 +0.12/-0.16	96.52 ±0.3	101.60 ±.3
19	-1193	-19C	3.600 ±.012	3.800 +0.12/-0.16	91.44 ±0.3	96.52 ±.3
18	-1183	-18C	3.400 ±.012	3.600 +0.12/-0.16	86.36 ±0.3	91.44 ±.3
17	-1173	-17C	3.200 ±.012	3.400 +0.12/-0.16	81.28 ±0.3	86.36 ±.3
16	-1163	-16C	3.000 ±.010	3.200 +0.12/-0.16	76.20 ±0.25	81.28 ±.3
15	-1153	-15C	2.800 ±.010	3.000 +0.12/-0.16	71.12 ±0.25	76.20 ±.3
14	-1143	-14C	2.600 ±.010	2.800 +0.12/-0.16	66.04 ±0.25	71.12 ±.3
13	-1133	-13C	2.400 ±.010	2.600 +0.12/-0.16	60.96 ±0.25	66.04 ±.3
12	-1123	-12C	2.200 ±.010	2.400 +0.08/-0.12	55.88 ±0.25	60.96 ±.3
11	-1113	-11C	2.000 ±.008	2.200 +0.08/-0.12	50.80 ±0.20	55.88 ±.3
10	-1103	-10C	1.800 ±.008	2.000 +0.08/-0.12	45.72 ±0.20	50.80 ±.3
9	-1093	-9C	1.600 ±.008	1.800 +0.08/-0.12	40.64 ±0.20	45.72 ±.3
8	-1083	-8C	1.400 ±.008	1.600 +0.08/-0.12	35.56 ±0.20	40.64 ±.3
7	-1073	-7C	1.200 ±.008	1.400 +0.08/-0.12	30.48 ±0.20	35.56 ±.3
6	-1063	-6C	1.000 ±.004	1.200 +0.08/-0.12	25.40 ±0.10	30.48 ±.3
5	-1053	-5C	.800 ±.004	1.000 +0.08/-0.12	20.32 ±0.10	25.40 ±.3
4	-1043	-4C	.600 ±.004	.800 +0.08/-0.12	15.24 ±0.10	20.32 ±.3
3	-1033	-3C	.400 ±.004	.600 +0.08/-0.12	10.16 ±0.10	15.24 ±.3
2	10-10-1023	AE-3002-2C	.200 ±.004	.400 +0.08/-0.12	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
EC NO: E2005-0200	
2004/10/05	
2004/10/05	
2004/10/05	
2004/10/08	

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
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		
SIZE SEE CHART		
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