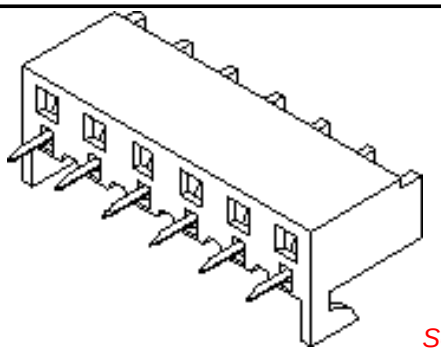
This document was generated on 05/21/2010

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Part Number: 0010021022
Status: Active
Overview: kk
Description: 5.08mm (.200") Pitch KK® PC Board Connector, Bottom Entry Mount Style B, 1.0µm (40µ") Tin (Sn), 2 Circuits



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-99020-0087 (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	Bottom Entry
PC Tail Length (in)	0.160 In
PC Tail Length (mm)	4.10 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

Duration at Max. Process Temperature (seconds)	5
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

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	230

Material Info

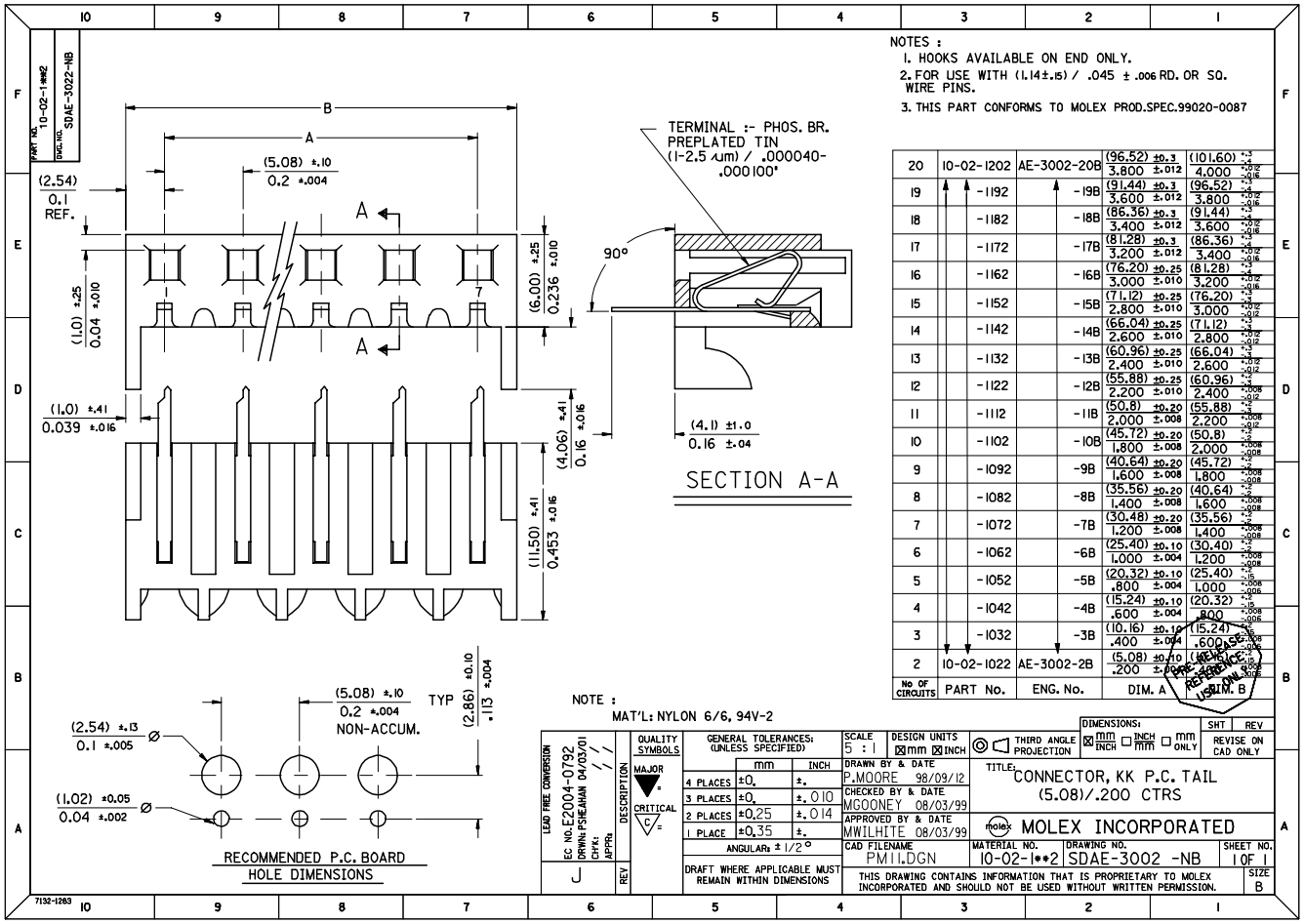
Old Part Number	300202B

Reference - Drawing Numbers

Product Specification	PS-99020-0087
Sales Drawing	SDAE-3002-NB

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No OF CIRCUITS	PART No.	ENG. No.	DIM. A	DIM. B
20	10-02-1202	AE-3002-20B	(96.52) ±0.3 / 3.800 ±.012	(101.60) +.3 -.4 / 4.000 +.012 -.016
19	-1192	-19B	(91.44) ±0.3 / 3.600 ±.012	(96.52) +.3 -.4 / 3.800 +.012 -.016
18	-1182	-18B	(86.36) ±0.3 / 3.400 ±.012	(91.44) +.3 -.4 / 3.600 +.012 -.016
17	-1172	-17B	(81.28) ±0.3 / 3.200 ±.012	(86.36) +.3 -.4 / 3.400 +.012 -.016
16	-1162	-16B	(76.20) ±0.25 / 3.000 ±.010	(81.28) +.3 -.4 / 3.200 +.012 -.016
15	-1152	-15B	(71.12) ±0.25 / 2.800 ±.010	(76.20) +.3 -.4 / 3.000 +.012 -.016
14	-1142	-14B	(66.04) ±0.25 / 2.600 ±.010	(71.12) +.3 -.4 / 2.800 +.012 -.016
13	-1132	-13B	(60.96) ±0.25 / 2.400 ±.010	(66.04) +.3 -.4 / 2.600 +.012 -.016
12	-1122	-12B	(55.88) ±0.25 / 2.200 ±.010	(60.96) +.3 -.4 / 2.400 +.012 -.016
11	-1112	-11B	(50.8) ±0.20 / 2.000 ±.008	(55.88) +.3 -.4 / 2.200 +.012 -.016
10	-1102	-10B	(45.72) ±0.20 / 1.800 ±.008	(50.8) +.3 -.4 / 2.000 +.008 -.016
9	-1092	-9B	(40.64) ±0.20 / 1.600 ±.008	(45.72) +.3 -.4 / 1.800 +.008 -.016
8	-1082	-8B	(35.56) ±0.20 / 1.400 ±.008	(40.64) +.3 -.4 / 1.600 +.008 -.016
7	-1072	-7B	(30.48) ±0.20 / 1.200 ±.008	(35.56) +.3 -.4 / 1.400 +.008 -.016
6	-1062	-6B	(25.40) ±0.10 / 1.000 ±.004	(30.40) +.3 -.4 / 1.200 +.008 -.016
5	-1052	-5B	(20.32) ±0.10 / .800 ±.004	(25.40) +.3 -.4 / 1.000 +.008 -.016
4	-1042	-4B	(15.24) ±0.10 / .600 ±.004	(20.32) +.3 -.4 / .800 +.008 -.016
3	-1032	-3B	(10.16) ±0.10 / .400 ±.004	(15.24) +.3 -.4 / .600 +.008 -.016
2	10-02-1022	AE-3002-2B	(5.08) ±0.10 / .200 ±.004	(10.16) +.3 -.4 / .400 +.008 -.016

LEAD FREE CONVERSION
EC NO:E2004-0792
DRWN: FSHEAHAN 04/03/01
CHK'd:
APPR'd:
QUALITY SYMBOLS
MAJOR =
CRITICAL C =
DESCRIPTION
REV
J

GENERAL TOLERANCES: (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.010
2 PLACES	±0.25	±.014
1 PLACE	±0.35	±.
ANGULAR± 1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 5 : 1
DESIGN UNITS ☒mm ☒INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☒ mm/INCH ☐ INCH/mm ☐ mm ONLY
SHT | REV
REVISE ON CAD ONLY
DRAWN BY & DATE P.MOORE 98/09/12
CHECKED BY & DATE MGOONEY 08/03/99
APPROVED BY & DATE MWILHITE 08/03/99
CAD FILENAME PM11.DGN
TITLE: CONNECTOR, KK P.C. TAIL (5.08)/.200 CTRS
MOLEX INCORPORATED
MATERIAL NO. 10-02-1**2
DRAWING NO. SDAE-3002 -NB
SHEET NO. 1 OF 1
SIZE B

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7132-1283

SHT. 1 OF 1	MR1-SDAE-3002-NB

MODIFICATION RECORD INDEX

ECN	ISS.	DATE	INIT.	SHTS. AFFECTED	DESCRIPTION OF MOD.
E90109	F			1	
	G			1	
E2003-0992	H	03.03.27	PS	1	NEW PROD.SPEC. 99020-0087 ADDED

MOLEX EUROPE

REVISE ONLY ON CAD SYSTEM

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MF0028

CADCAM FILENAME PM11 .DGN

ISSUE H