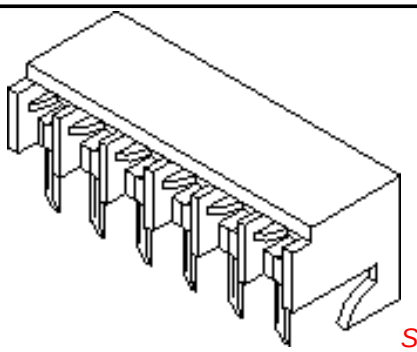
This document was generated on 05/21/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0010101044
Status: Active
Overview: kk
Description: 5.08mm (.200") Pitch KK® PC Board Connector, Right Angle Mount Style A, 0.5µm (20µ") Gold (Au), 4 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)	4
Color - Resin	Natural
Durability (mating cycles max)	25
Flammability	94V-2
Glow-Wire Compliant	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
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)	15
Plating min: Mating (µm)	0.375
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
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

Material Info

Old Part Number	300204AG

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

Reference - Drawing Numbers

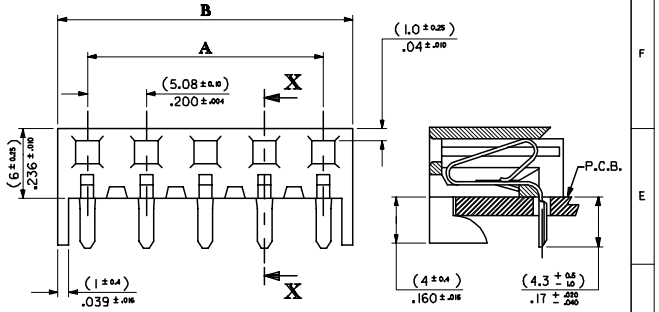
Product Specification	PS-99020-0087
Sales Drawing	SDAE-3002-NAG

This document was generated on 05/21/2010

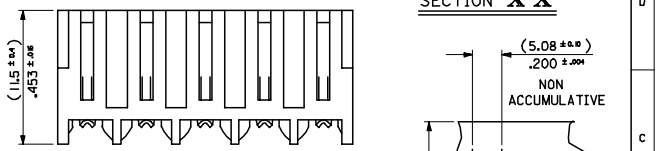
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

PART NO. SEE CHART
DWG. NO. SDAE-3002-NAG

CCT	PART No.	ENG No.	DIM A	DIM B
2	10-10-1024	AE-3002-2AG	(5.08 ±0.10) .200 ±.004	(10.16 +0.25 −0.13) .400 +.010 −.005
3	-1034	-3AG	(10.16 ±0.10) .400 ±.004	(15.24 +0.25 −0.13) .600 +.010 −.005
4	-1044	-4AG	(15.24 ±0.10) .600 ±.004	(20.32 +0.25 −0.13) .800 +.010 −.005
5	-1054	-5AG	(20.32 ±0.10) .800 ±.004	(25.40 +0.25 −0.13) 1.000 +.010 −.005
6	-1064	-6AG	(25.40 ±0.10) 1.000 ±.004	(30.48 +0.25 −0.13) 1.200 +.010 −.005
7	-1074	-7AG	(30.48 ±0.20) 1.200 ±.008	(35.56 +0.25 −0.13) 1.400 +.010 −.005
8	-1084	-8AG	(35.56 ±0.20) 1.400 ±.008	(40.64 +0.25 −0.13) 1.600 +.010 −.005
9	-1094	-9AG	(40.64 ±0.20) 1.600 ±.008	(45.72 +0.25 −0.13) 1.800 +.010 −.005
10	-1104	-10AG	(45.72 ±0.20) 1.800 ±.008	(50.80 +0.25 −0.13) 2.000 +.010 −.005
11	-1114	-11AG	(50.80 ±0.20) 2.000 ±.008	(55.88 +0.25 −0.13) 2.200 +.010 −.005
12	-1124	-12AG	(55.88 ±0.25) 2.200 ±.010	(60.96 +0.25 −0.13) 2.400 +.010 −.005
13	-1134	-13AG	(60.96 ±0.25) 2.400 ±.010	(66.04 +0.25 −0.13) 2.600 +.010 −.005
14	-1144	-14AG	(66.04 ±0.25) 2.600 ±.010	(71.12 +0.25 −0.13) 2.800 +.010 −.005
15	-1154	-15AG	(71.12 ±0.25) 2.800 ±.010	(76.20 +0.25 −0.13) 3.000 +.010 −.005
16	-1164	-16AG	(76.20 ±0.25) 3.000 ±.010	(81.28 +0.25 −0.13) 3.200 +.010 −.005
17	-1174	-17AG	(81.28 ±0.30) 3.200 ±.012	(86.36 +0.25 −0.13) 3.400 +.010 −.005
18	-1184	-18AG	(86.36 ±0.30) 3.400 ±.012	(91.44 +0.25 −0.13) 3.600 +.010 −.005
19	-1194	-19AG	(91.44 ±0.30) 3.600 ±.012	(96.52 +0.25 −0.13) 3.800 +.010 −.005
20	10-10-1204	AE-3002-20AG	(96.52 ±0.30) 3.800 ±.012	(101.60 +0.25 −0.13) 4.000 +.010 −.005



SECTION X-X



OPTIONAL CORE

RECOMMENDED PCB HOLE DIMENSIONS

NOTES
1. HOUSING: NYLON, 94V-2, NATURAL
2. TERMINAL: PHOS. BR, (0.0005)/.00002 MIN. SELECTIVE GOLD WITH (0.005)/.0002 MIN. TIN OVER (0.00076)/.000030 MIN. NICKEL.
3. HOUSING SUITABLE FOR (1.14±0.15)/.045±.006 RD. OR SQ. PINS
4. HOOKS AVAILABLE ON ENDS ONLY
5. FOR PRODUCT SPECIFICATION SEE PS 99020-0087

FOR PREVIOUS DRAWING ISSUES SEE MR1.

LEAD FREE CONVERSION
EC NO. E2004-0792
DRWN: PSHEAHAN 04/03/08
CHK'd:
APPR.:

REV	DESCRIPTION	QUALITY SYMBOLS
J		MAJOR B, CRITICAL C

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±0.	±.
3 PLACES	±0.	±.
2 PLACES	±0.	±.
1 PLACE	±0.	±.
ANGULAR: ± °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 4:1 | DESIGN UNITS ☐mm ☐INCH | THIRD ANGLE PROJECTION | DIMENSIONS: ☐mm/INCH ☐INCH/mm ☐mm ONLY | SHT | REV

DRAWN BY & DATE: GCH 18/12/85
CHECKED BY & DATE:
APPROVED BY & DATE:

TITLE: KONEKTCON AND P.C. TAIL TERMINAL ASSEMBLY (5.08)/.200 PITCH

MOLEX INCORPORATED

CAD FILENAME: SA3002NAG .DGN | MATERIAL NO.: SEE CHART | DRAWING NO.: SDAE-3002-NAG | SHEET NO.: 1OF

REVISE ON CAD ONLY

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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SIZE B

7132-1283

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

MODIFICATION RECORD INDEX

ERO	ECO	ISS.	DATE	INIT.	SHTS. AFFECTED	DESCRIPTION OF MOD.
7435	——	——	18.1.70	RE	1	——
7660	——	A	1.3.78	RE	1	FINAL RELEASE -6AG & -8AG
363	——	B	24.8.82	GH	1	EDP No.FOR -2AG ADDED
1139	——	C	18.9.85	GH	1	EDP No.FOR -4AG ADDED
——	609	D	19.12.85	GH	1	EDPs.FOR -4AG &-6AG MODIFIED DRG. REDRAWN ON CAD.
——	745	E	1.8.86	GH	1	EDPs. FOR -3,-5,-7 AND -9 THRO' -20 ADDED HOUSING INTO LINE WITH TOOL.
——	958	F	20.10.87	MC	1	PLTG. CHANGED
ECR/ECN		ISS.	DATE	INIT.	SHTS. AFFECTED	DESCRIPTION OF MOD.
E10121		G	91.5.29	PMMN	1	DIM "B" TOL CHANGES
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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CADCAM FILENAME: SA3002NAG .DGN | ISSUE: H

LEVEL CHART

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