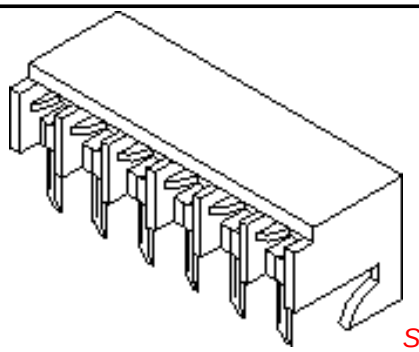
This document was generated on 05/21/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0010101061
Status: Active
Overview: kk
Description: 5.08mm (.200") Pitch KK® PC Board Connector, Right Angle Mount Style A, 1.0µm (40µ") Tin (Sn), 6 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)	6
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

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	5
Process Temperature max. C	230

Material Info

Old Part Number	3002-06A

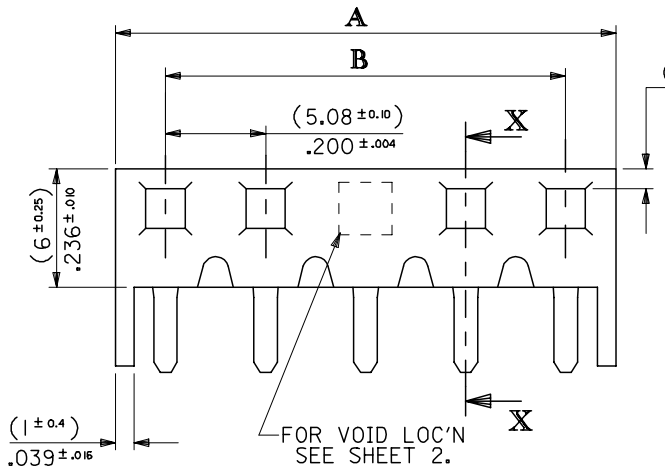
Reference - Drawing Numbers

Product Specification	PS-99020-0087
Sales Drawing	SDAE-3002-NA-*

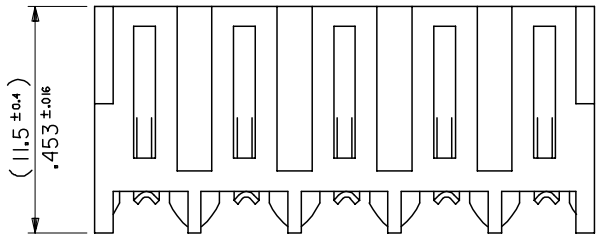
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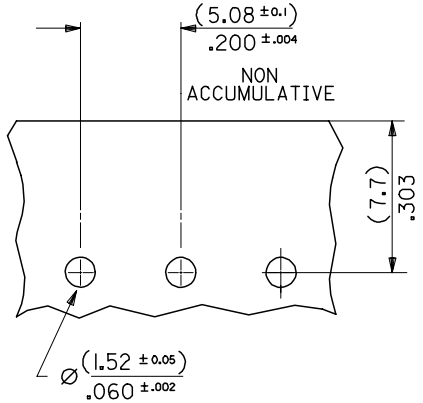
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

CCT	PART No.	ENG No.	DIM A	DIM B
2	10-10-1021	AE-3002-2A	(5.08 ±0.10) .200 ±.004	(10.16 ±0.2/0.15) .400 ±.008/.006
3	-1031	-3A	(10.16 ±0.10) .400 ±.004	(15.24 ±0.2/0.15) .600 ±.008/.006
4	-1041	-4A	(15.24 ±0.10) .600 ±.004	(20.32 ±0.2/0.15) .800 ±.008/.006
5	-1051	-5A	(20.32 ±0.10) .800 ±.004	(25.40 ±0.2/0.15) 1.000 ±.008/.006
6	-1061	-6A	(25.40 ±0.10) 1.000 ±.004	(30.48 ±0.2/0.20) 1.200 ±.008/.008
7	-1071	-7A	(30.48 ±0.20) 1.200 ±.008	(35.56 ±0.2/0.20) 1.400 ±.008/.008
8	-1081	-8A	(35.56 ±0.20) 1.400 ±.008	(40.64 ±0.2/0.20) 1.600 ±.008/.008
9	-1091	-9A	(40.64 ±0.20) 1.600 ±.008	(45.72 ±0.2/0.20) 1.800 ±.008/.008
10	-1101	-10A	(45.72 ±0.20) 1.800 ±.008	(50.80 ±0.2/0.20) 2.000 ±.008/.008
11	-1111	-11A	(50.80 ±0.20) 2.000 ±.008	(55.88 ±0.2/0.30) 2.200 ±.008/.012
12	-1121	-12A	(55.88 ±0.25) 2.200 ±.010	(60.96 ±0.2/0.30) 2.400 ±.008/.012
13	-1131	-13A	(60.96 ±0.25) 2.400 ±.010	(66.04 ±0.3/0.30) 2.600 ±.012/.012
14	-1141	-14A	(66.04 ±0.25) 2.600 ±.010	(71.12 ±0.3/0.30) 2.800 ±.012/.012
15	-1151	-15A	(71.12 ±0.25) 2.800 ±.010	(76.20 ±0.3/0.30) 3.000 ±.012/.012
16	-1161	-16A	(76.20 ±0.25) 3.000 ±.010	(81.28 ±0.3/0.40) 3.200 ±.012/.016
17	-1171	-17A	(81.28 ±0.30) 3.200 ±.012	(86.36 ±0.3/0.40) 3.400 ±.012/.016
18	-1181	-18A	(86.36 ±0.30) 3.400 ±.012	(91.44 ±0.3/0.40) 3.600 ±.012/.016
19	-1191	-19A	(91.44 ±0.30) 3.600 ±.012	(96.52 ±0.3/0.40) 3.800 ±.012/.016
20	10-10-1201	AE-3002-20A	(96.52 ±0.30) 3.800 ±.012	(101.60 ±0.3/0.40) 4.000 ±.012/.016



SECTION X-X





RECOMMENDED P.C.B.
HOLE DIMENSIONS

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: JDENNEHY 2005/09/09
CHKD: GMCSWEENEY 2005/09/09
APPR: JDENNEHY 2005/09/22
DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: GCH DATE: 1995/06/15
CHECKED BY: GMCSWEENEY DATE: 2005/08/31
APPROVED BY: JDENNEHY DATE: 2005/08/31
MATERIAL NO.: SEE CHART

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

molex MOLEX INCORPORATED

DOCUMENT NO.: SDAE-3002-NA-*
SHEET NO.: 1 OF 2
SIZE: A3

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