

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0010101101

Status:

Active

Overview:

kk

Description:

5.08mm (.200") Pitch KK® PC Board Connector, Right Angle Mount Style A, 1.0µm (40µ") Tin (Sn), 10 Circuits

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)

10

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

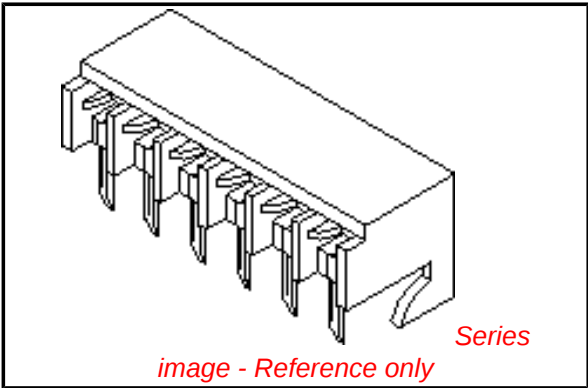
Voltage - Maximum

250V

Solder Process Data

Lead-free Process Capability

Wave Capable (TH only)



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free

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 300210A

**Reference - Drawing Numbers**

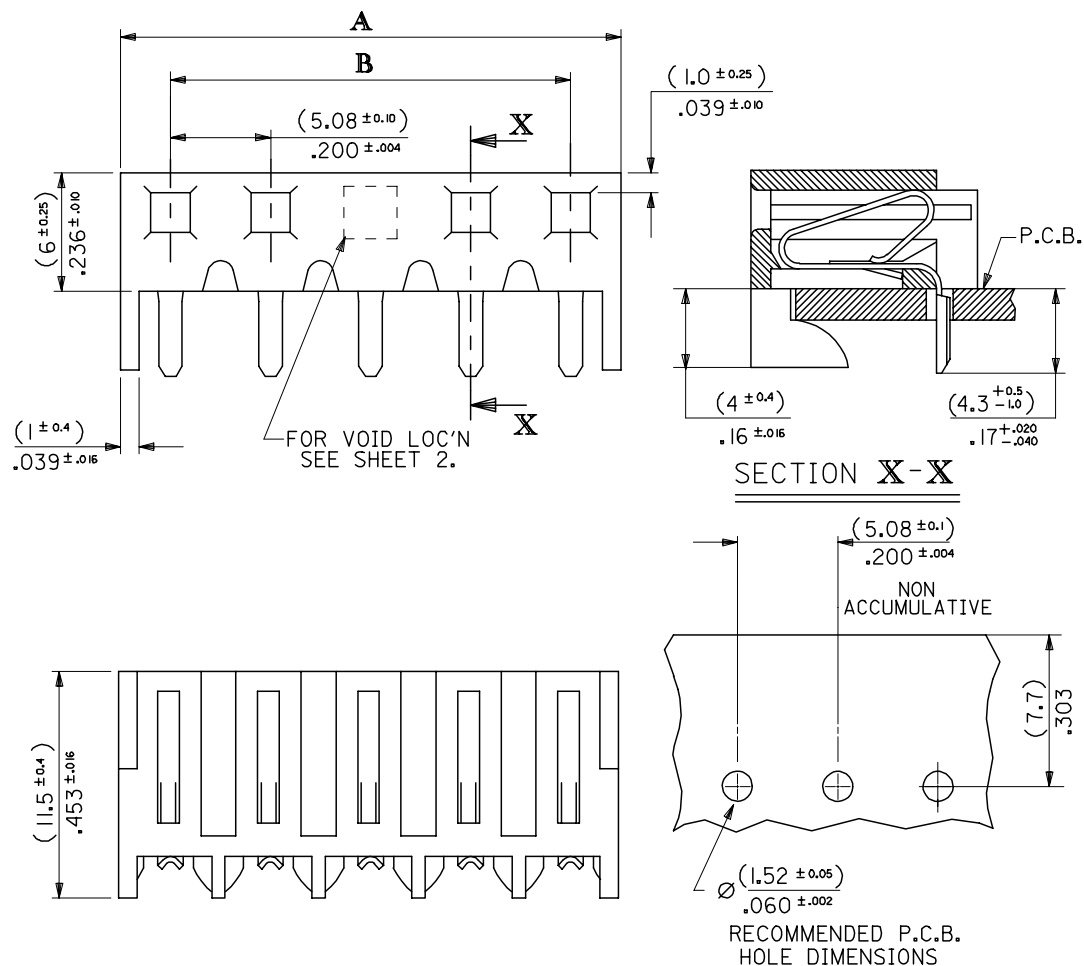
Product Specification PS-99020-0087

Sales Drawing SDAE-3002-NA-\*

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| CCT | PART No.   | ENG No.     | DIM A                          | DIM B                          |
|-----|------------|-------------|--------------------------------|--------------------------------|
| 2   | 10-10-102I | AE-3002-2A  | (5.08 ± 0.10)<br>.200 ± .004   | (10.16 ± 0.2)<br>.400 ± .006   |
| 3   | ↑ - 103I   | ↑ - 3A      | (10.16 ± 0.10)<br>.400 ± .004  | (15.24 ± 0.2)<br>.600 ± .008   |
| 4   | - 104I     | - 4A        | (15.24 ± 0.10)<br>.600 ± .004  | (20.32 ± 0.2)<br>.800 ± .006   |
| 5   | - 105I     | - 5A        | (20.32 ± 0.10)<br>.800 ± .004  | (25.40 ± 0.2)<br>1.000 ± .008  |
| 6   | - 106I     | - 6A        | (25.40 ± 0.10)<br>1.000 ± .004 | (30.48 ± 0.2)<br>1.200 ± .008  |
| 7   | - 107I     | - 7A        | (30.48 ± 0.20)<br>1.200 ± .008 | (35.56 ± 0.2)<br>1.400 ± .008  |
| 8   | - 108I     | - 8A        | (35.56 ± 0.20)<br>1.400 ± .008 | (40.64 ± 0.2)<br>1.600 ± .008  |
| 9   | - 109I     | - 9A        | (40.64 ± 0.20)<br>1.600 ± .008 | (45.72 ± 0.2)<br>1.800 ± .008  |
| 10  | - 110I     | - 10A       | (45.72 ± 0.20)<br>1.800 ± .008 | (50.80 ± 0.2)<br>2.000 ± .008  |
| 11  | - 111I     | - 11A       | (50.80 ± 0.20)<br>2.000 ± .008 | (55.88 ± 0.3)<br>2.200 ± .012  |
| 12  | - 112I     | - 12A       | (55.88 ± 0.25)<br>2.200 ± .010 | (60.96 ± 0.3)<br>2.400 ± .012  |
| 13  | - 113I     | - 13A       | (60.96 ± 0.25)<br>2.400 ± .010 | (66.04 ± 0.3)<br>2.600 ± .012  |
| 14  | - 114I     | - 14A       | (66.04 ± 0.25)<br>2.600 ± .010 | (71.12 ± 0.3)<br>2.800 ± .012  |
| 15  | - 115I     | - 15A       | (71.12 ± 0.25)<br>2.800 ± .010 | (76.20 ± 0.3)<br>3.000 ± .012  |
| 16  | - 116I     | - 16A       | (76.20 ± 0.25)<br>3.000 ± .010 | (81.28 ± 0.3)<br>3.200 ± .012  |
| 17  | - 117I     | - 17A       | (81.28 ± 0.30)<br>3.200 ± .012 | (86.36 ± 0.3)<br>3.400 ± .016  |
| 18  | - 118I     | - 18A       | (86.36 ± 0.30)<br>3.400 ± .012 | (91.44 ± 0.3)<br>3.600 ± .016  |
| 19  | ↓ - 119I   | ↓ - 19A     | (91.44 ± 0.30)<br>3.600 ± .012 | (96.52 ± 0.3)<br>3.800 ± .016  |
| 20  | 10-10-120I | AE-3002-20A | (96.52 ± 0.30)<br>3.800 ± .012 | (101.60 ± 0.3)<br>4.000 ± .012 |



## NOTES

1. HOUSING: NYLON, 94V-2, NATURAL
2. HOUSING SUITABLE FOR  $(1.14 \pm 0.15) / .045 \pm .006$  RD. OR SQ. PINS
3. TERMINAL: PHOS. BR, HOT TIN DIP.  $(1-2.5\mu\text{M}) / .0000040$   
- .000100 IN.
4. HOOKS AVAILABLE ON ENDS ONLY

|                                                                                                                              |                    |                                                  |                                                            |       |                            |              |                                                                                                                                  |                                                                                                          |                                                                                                              |  |           |  |
|------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------|------------------------------------------------------------|-------|----------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--|-----------|--|
| ENG NO. CORRECTION<br>EC NO: E2006-0204<br>DRWN: JDENNEY 2005/09/09<br>CHKD:GMSWEENEY 2005/09/09<br>APPR: JDENNEY 2005/09/22 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br><div>▼=0</div> <div>▽=0</div> | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM ONLY |              | SCALE<br>4:1                                                                                                                     | DESIGN UNITS<br>METRIC                                                                                   |  THIRD ANGLE PROJECTION |  |           |  |
|                                                                                                                              |                    |                                                  |                                                            | mm    | INCH                       | DRAWN BY     | DATE                                                                                                                             | TITLE<br>KONEKTCON AND P.C. TAIL<br>TERMINAL ASSEMBLY<br>(5.08)/.200 PITCH                               |                                                                                                              |  |           |  |
|                                                                                                                              |                    |                                                  | 4 PLACES                                                   | ± --- | ± ---                      | GCH          | 1995/06/15                                                                                                                       |                                                                                                          |                                                                                                              |  |           |  |
|                                                                                                                              |                    |                                                  | 3 PLACES                                                   | ± --- | ± ---                      | CHECKED BY   | DATE                                                                                                                             |                                                                                                          |                                                                                                              |  |           |  |
|                                                                                                                              |                    |                                                  | 2 PLACES                                                   | ± --- | ± ---                      | GMSWEENEY    | 2005/08/31                                                                                                                       |  MOLEX INCORPORATED |                                                                                                              |  |           |  |
|                                                                                                                              |                    |                                                  | 1 PLACE                                                    | ± --- | ± ---                      | APPROVED BY  | DATE                                                                                                                             |                                                                                                          |                                                                                                              |  |           |  |
|                                                                                                                              |                    |                                                  | ANGULAR ± ---°                                             |       | JDENNEY                    | 2005/08/31   |                                                                                                                                  |                                                                                                          |                                                                                                              |  |           |  |
|                                                                                                                              |                    |                                                  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |                            | MATERIAL NO. |                                                                                                                                  | DOCUMENT NO.                                                                                             |                                                                                                              |  | SHEET NO. |  |
|                                                                                                                              |                    |                                                  |                                                            |       |                            | SEE CHART    |                                                                                                                                  | SDAE-3002-NA-*                                                                                           |                                                                                                              |  | 1 OF 2    |  |
|                                                                                                                              |                    |                                                  |                                                            |       |                            | SIZE<br>A3   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                          |                                                                                                              |  |           |  |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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