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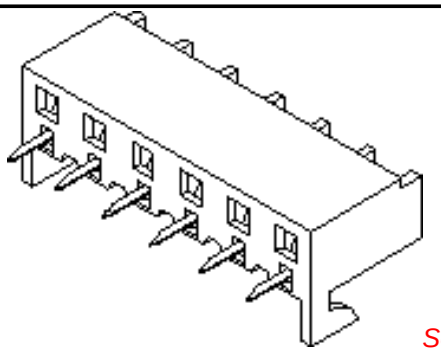
# PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** 0010021102
**Status:** Active
**Overview:** kk
**Description:** 5.08mm (.200") Pitch KK® PC Board Connector, Bottom Entry Mount Style B, 1.0µm (40µ") Tin (Sn), 10 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) | 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 | 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 | 260 |

## Material Info

| | |
|---|---|
| Old Part Number | 300210B |

## Reference - Drawing Numbers

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

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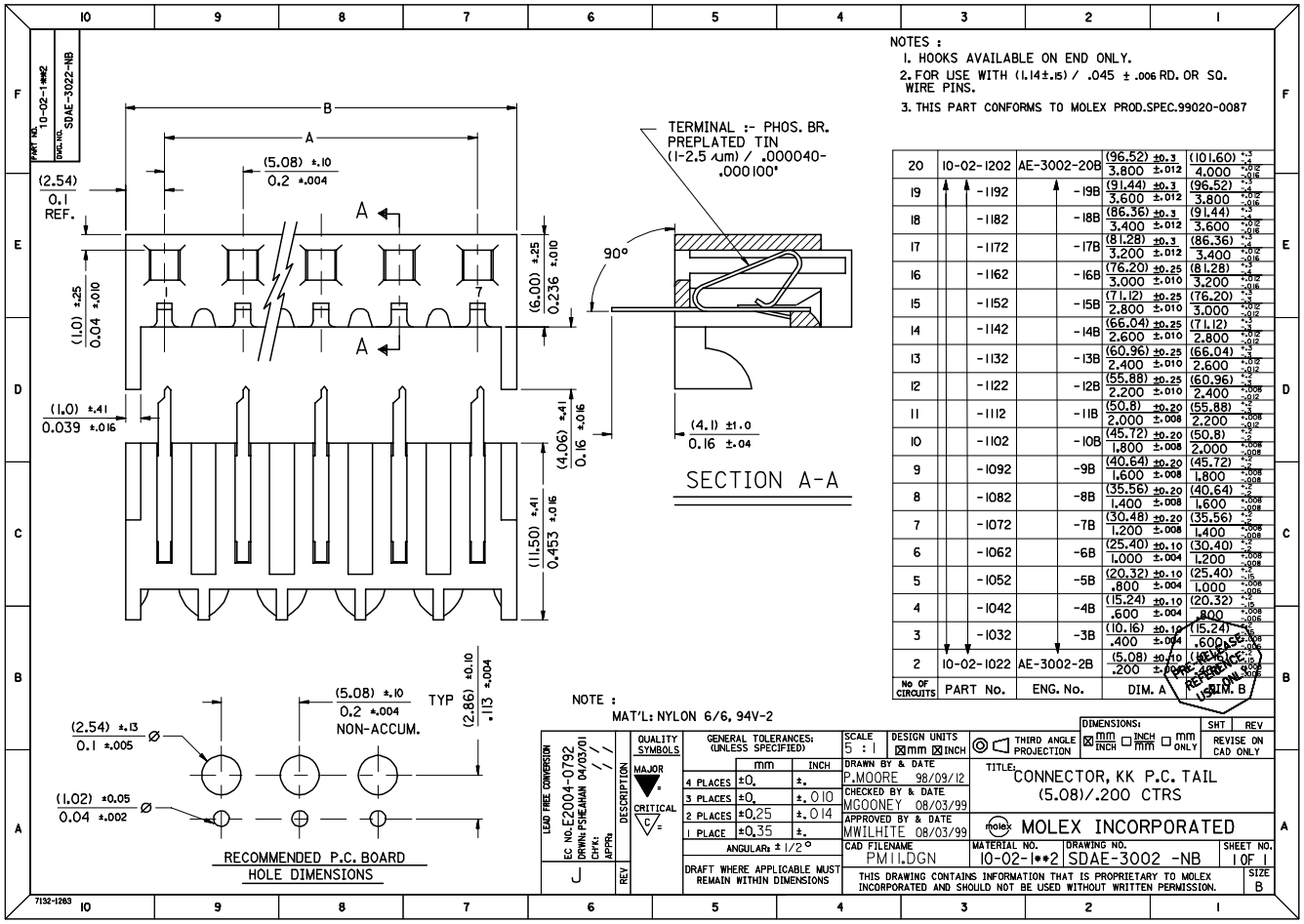


| No OF CIRCUITS | PART No. | ENG. No. | DIM. A | DIM. B |
|---|---|---|---|---|
| 20 | 10-02-1202 | AE-3002-20B | (96.52) ±0.3 / 3.800 ±.012 | (101.60) +.3 -.4 / 4.000 +.012 -.016 |
| 19 | -1192 | -19B | (91.44) ±0.3 / 3.600 ±.012 | (96.52) +.3 -.4 / 3.800 +.012 -.016 |
| 18 | -1182 | -18B | (86.36) ±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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

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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CADCAM FILENAME PM11 .DGN

ISSUE H