

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0010101068](#)
Status: **Active**
Overview: [kk](#)
Description: 5.08mm (.200") Pitch KK® PC Board Connector, Top Entry Mount Style C, 0.38µm (15µ") Gold (Au), 6 Circuits

Documents:

3D Model	Product Specification PS-99020-0087 (PDF)
Drawing (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	Gold
Material - Plating Termination	Gold
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.110 In
PC Tail Length (mm)	2.79 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)	15
Plating min: Mating (µm)	0.375
Plating min: Termination (µin)	2
Plating min: Termination (µm)	0.05
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

Material Info

Old Part Number	300206CG
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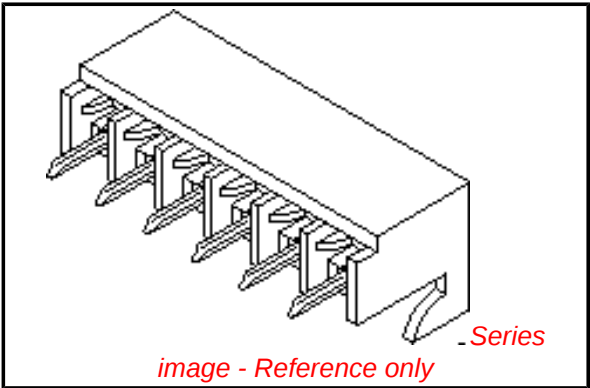


image - Reference only

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](#)

Reference - Drawing Numbers

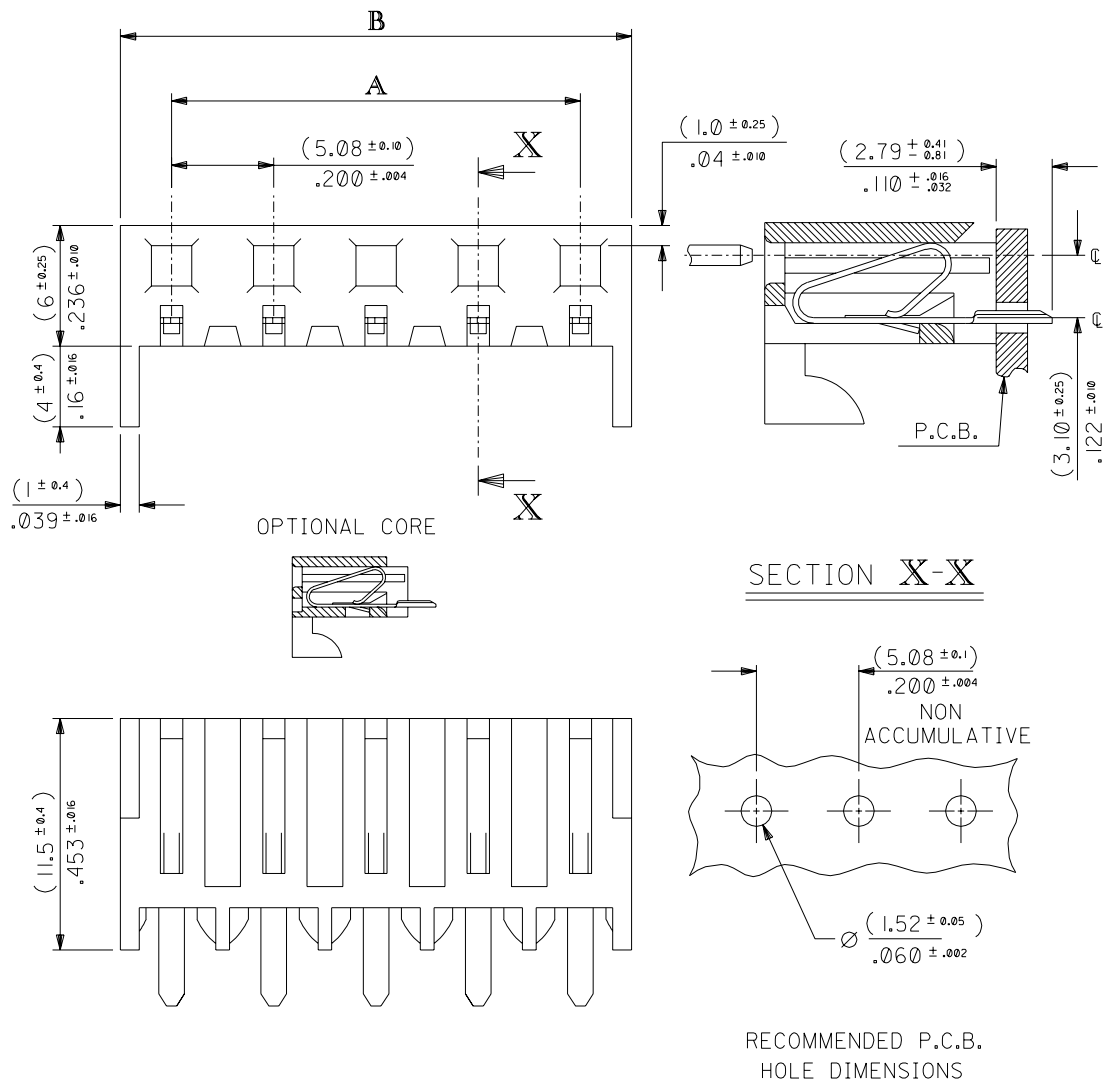
Product Specification
Sales Drawing

PS-99020-0087
SDAE-3002-NCG

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CCT	PART No.	ENG No.	DIM A	DIM B
2	10-10-1028	AE-3002-2CG	(5.08 ± 0.10) .200 ± .004	(10.16 ± 0.2) .400 ± .008
3	↑ - 1038	↑ - 3CG	(10.16 ± 0.10) .400 ± .004	(15.24 ± 0.2) .600 ± .008
4	- 1048	- 4CG	(15.24 ± 0.10) .600 ± .004	(20.32 ± 0.15) .800 ± .006
5	- 1058	- 5CG	(20.32 ± 0.10) .800 ± .004	(25.40 ± 0.15) 1.000 ± .008
6	- 1068	- 6CG	(25.40 ± 0.10) 1.000 ± .004	(30.48 ± 0.20) 1.200 ± .008
7	- 1078	- 7CG	(30.48 ± 0.20) 1.200 ± .008	(35.56 ± 0.2) 1.400 ± .008
8	- 1088	- 8CG	(35.56 ± 0.20) 1.400 ± .008	(40.64 ± 0.2) 1.600 ± .008
9	- 1098	- 9CG	(40.64 ± 0.20) 1.600 ± .008	(45.72 ± 0.2) 1.800 ± .008
10	- 1108	- 10CG	(45.72 ± 0.20) 1.800 ± .008	(50.80 ± 0.2) 2.000 ± .008
11	- 1118	- 11CG	(50.80 ± 0.20) 2.000 ± .008	(55.88 ± 0.2) 2.200 ± .008
12	- 1128	- 12CG	(55.88 ± 0.25) 2.200 ± .010	(60.96 ± 0.2) 2.400 ± .012
13	- 1138	- 13CG	(60.96 ± 0.25) 2.400 ± .010	(66.04 ± 0.3) 2.600 ± .012
14	- 1148	- 14CG	(66.04 ± 0.25) 2.600 ± .010	(71.12 ± 0.3) 2.800 ± .012
15	- 1158	- 15CG	(71.12 ± 0.25) 2.800 ± .010	(76.20 ± 0.3) 3.000 ± .012
16	- 1168	- 16CG	(76.20 ± 0.25) 3.000 ± .010	(81.28 ± 0.3) 3.200 ± .012
17	- 1178	- 17CG	(81.28 ± 0.30) 3.200 ± .012	(86.36 ± 0.4) 3.400 ± .016
18	- 1188	- 18CG	(86.36 ± 0.30) 3.400 ± .012	(91.44 ± 0.3) 3.600 ± .016
19	↓ - 1198	↓ - 19CG	(91.44 ± 0.30) 3.600 ± .012	(96.52 ± 0.4) 3.800 ± .016
20	10-10-1208	AE-3002-20CG	(96.52 ± 0.30) 3.800 ± .012	(101.60 ± 0.4) 4.000 ± .016



NOTES

- HOUSING: NYLON, 94V-2, NATURAL
- TERMINAL: PHOS. BR, (0.00038)/.000015 MIN. SELECTIVE GOLD OVER (0.00076)/.000030 MIN. NICKEL.
- HOUSING SUITABLE FOR (1.14±0.15)/.045±.006 RD. OR SQ. PINS
- HOOKS AVAILABLE ON ENDS ONLY
- FOR PRODUCT SPECIFICATION SEE PS 99020-0087

FOR PREVIOUS
DRAWING ISSUES
SEE MRI.

NEW PROD.SPEC. 99020-0087 ADDED EC NO.E2003-0992 DRWN: PSHEAHAN 03/05/29 CHK: / / / APPR: / / /	DESCRIPTION	REV
	MAJOR	
	CRITICAL	

QUALITY SYMBOLS
MAJOR
CRITICAL

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
DRAWN BY & DATE JWP 29/07/86	CHECKED BY & DATE
APPROVED BY & DATE	
CAD FILENAME SA3002NCG DCN	

THIRD ANGLE PROJECTION	TITLE: KONEKTCON AND P.C. TAIL TERMINAL ASSEMBLY (5.08)/.200 PITCH
MATERIAL NO. SEE CHART	DRAWING NO. SDAE-3002-NCG
SHEET NO. 1 OF 1	