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Part Number: [0026222181](#)
Status: **Active**
Overview: [kk](#)
Description: 3.96mm (.156") Pitch KK@ Wire-to-Board Header, Vertical, Round Pin, with Polarizing Wall, 18 Circuits, Gold (Au) Plating

Documents:

[3D Model](#) [Product Specification PS-99020-0087 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

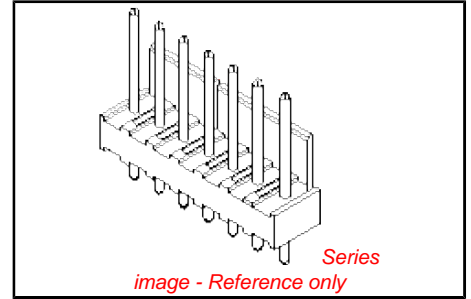
CSA LR19980
TUV R72090224

General

Product Family PCB Headers
Series [3190](#)
Application Wire-to-Board
Overview [kk](#)
Product Name KK@

Physical

Breakaway No
Circuits (Loaded) 18
Circuits (maximum) 18
Color - Resin Natural
First Mate / Last Break No
Flammability 94V-2
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part None
Material - Metal Brass
Material - Plating Mating Gold
Material - Plating Termination Gold
Material - Resin Nylon
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.175 In
PC Tail Length (mm) 4.45 mm
PCB Locator No
PCB Retention None
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Bag
Pitch - Mating Interface (in) 0.156 In
Pitch - Mating Interface (mm) 3.96 mm
Plating min: Mating (µin) 20
Plating min: Mating (µm) 0.5
Plating min: Termination (µin) 20
Plating min: Termination (µm) 0.5
Polarized to PCB No
Shrouded Partial
Stackable No
Temperature Range - Operating 0°C to +75°C
Termination Interface: Style Through Hole



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
[3190Series](#)

Mates With
3069 KK@ Crimp Terminal Housing. [3215](#)
KK@ PC Board Connector

Electrical

Current - Maximum per Contact 7A
Voltage - Maximum 250V

Material Info

Old Part Number 319018AG

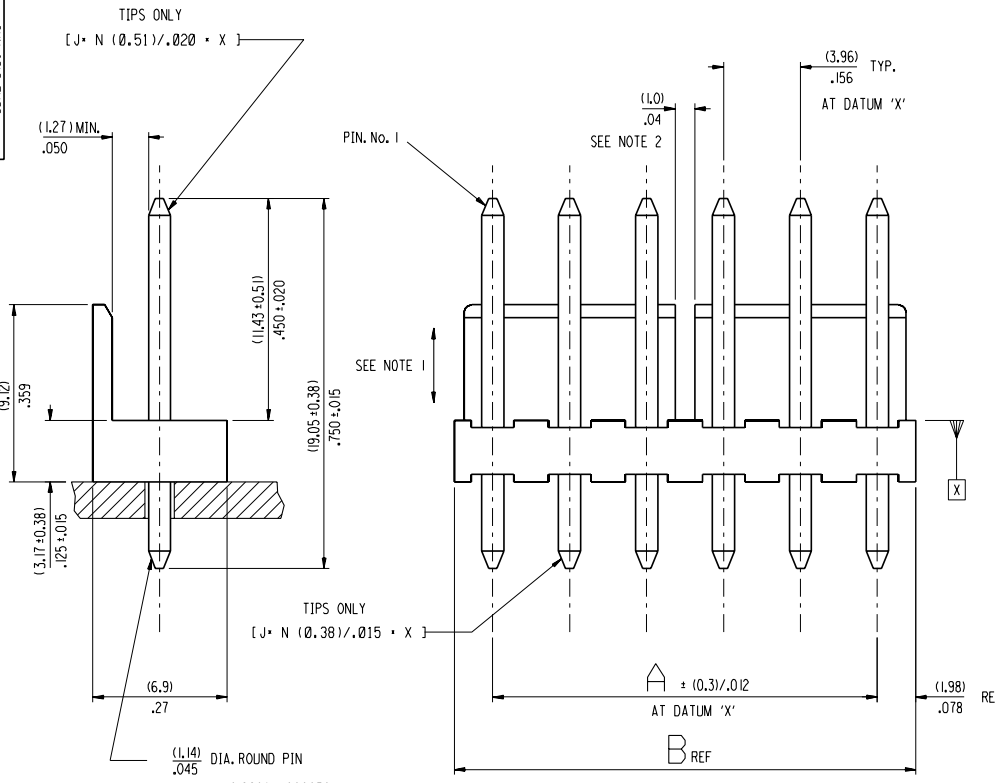
Reference - Drawing Numbers

Product Specification PS-99020-0087

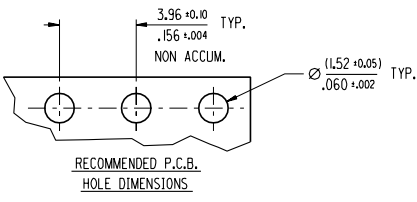
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PART NO. SEE CHART
DWG. NO. SDAE-3190-NAG



GOLD PLATE (0.00081) / .000030
(0.00051) / .000020
OVER
NICKEL PLATE (0.0015) / .000060
(0.00081) / .000030



CCTS	DGN NO.	PART NO.	DIM	DIM B
2	AE-3190-2AG	26-22-2021	(3.96) .156	(7.92) .312
3	-3AG	-2031	(7.92) .312	(11.89) .468
4	-4AG	-2041	(11.89) .468	(15.85) .624
5	-5AG	-2051	(15.85) .624	(19.81) .780
6	-6AG	-2061	(19.81) .780	(23.77) .936
7	-7AG	-2071	(23.77) .936	(27.74) 1.092
8	-8AG	-2081	(27.74) 1.092	(31.70) 1.248
9	-9AG	-2091	(31.70) 1.248	(35.66) 1.404
10	-10AG	-2101	(35.66) 1.404	(39.62) 1.560
11	-11AG	-2111	(39.62) 1.560	(43.59) 1.716
12	-12AG	-2121	(43.59) 1.716	(47.55) 1.872
13	-13AG	-2131	(47.55) 1.872	(51.51) 2.028
14	-14AG	-2141	(51.51) 2.028	(55.47) 2.184
15	-15AG	-2151	(55.47) 2.184	(59.44) 2.340
16	-16AG	-2161	(59.44) 2.340	(63.40) 2.496
17	-17AG	-2171	(63.40) 2.496	(67.36) 2.652
18	AE-3190-18AG	26-22-2181	(67.36) 2.652	(71.32) 2.808

- NOTES:
 1. PIN PUSH OUT FORCE: 3 LBS, MIN.
 2. ASSY'S OVER 5 CCTS. WILL HAVE SLOTS IN POLARIZING RIB.
 3. SOLDERABILITY PER MOLEX SPEC. NO. 152.
 4. WAFER MAT'L: NYLON, UL94V-2.

DRAWN ON CAD EC No. 2000-0932 DRWN: VMURTAGH99/10/12 CHK: CHYK APPR: / / /	QUALITY SYMBOLS MAJOR = CRITICAL = C =	GENERAL TOLERANCES: (UNLESS SPECIFIED)	SCALE 5 : 1	DESIGN UNITS <input type="checkbox"/> mm <input type="checkbox"/> INCH	THIRD ANGLE PROJECTION <input checked="" type="checkbox"/> mm <input type="checkbox"/> INCH <input type="checkbox"/> mm ONLY	SHT REV
		4 PLACES ±0.01 3 PLACES ±0.02 2 PLACES ±0.25 1 PLACE ±0.35	DRAWN BY & DATE VMURTAGH 99/10/12 CHECKED BY & DATE TMAHON 99/ / / APPROVED BY & DATE MWILHITE 99/ / /	CAD FILENAME S3190X1.DGN	TITLE: WAFER, KK, (3.96) / .156 (1.14) / .045 ROUND PINS	MATERIAL NO. SEE CHART
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		ANGULAR: ± 1/2 °		MOLEX INCORPORATED		SIZE B

7132-1283