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Part Number: [0010085051](#)
Status: **Active**
Overview: [kk](#)
Description: 5.08mm (.200") Pitch KK® Header, Vertical, with Polarizing Backwall, 5 Circuits, Tin (Sn) Plating

Documents:

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

Agency Certification

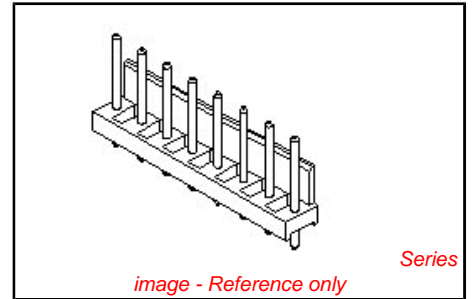
UL E29179

General

Product Family PCB Headers
 Series [2599](#)
 Application Wire-to-Board
 Overview [kk](#)
 Product Name [KK®](#)

Physical

Breakaway No
 Circuits (Loaded) 5
 Circuits (maximum) 5
 Color - Resin Natural
 Durability (mating cycles max) 25
 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 Tin
 Material - Plating Termination Tin
 Material - Resin Nylon
 Number of Rows 1
 Orientation Vertical
 PC Tail Length (in) 0.175 In
 PC Tail Length (mm) 4.45 mm
 PCB Retention None
 PCB Thickness Recommended (in) 0.062 In
 PCB Thickness Recommended (mm) 1.60 mm
 Packaging Type Bag
 Pitch - Mating Interface (in) 0.200 In
 Pitch - Mating Interface (mm) 5.08 mm
 Plating min: Mating (µin) 200
 Plating min: Mating (µm) 5
 Plating min: Termination (µin) 200
 Plating min: Termination (µm) 5
 Polarized to PCB No
 Shrouded Partial
 Stackable Yes
 Surface Mount Compatible (SMC) No
 Temperature Range - Operating 0°C to +75°C
 Termination Interface: Style Through Hole



<p>EU RoHS ELV and RoHS Compliant REACH SVHC Not Reviewed Halogen-Free Status Not Reviewed</p>	<p>China RoHS</p>
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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
[2599Series](#)

Mates With
 KK® Crimp Housing [3001](#) , [5058](#). [3002](#) KK®
 PC Board Connector

Electrical

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

Solder Process Data

Lead-free Process Capability Wave Capable (TH only)

Material Info

Old Part Number 2599M05A

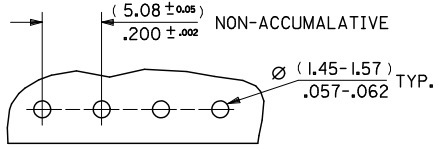
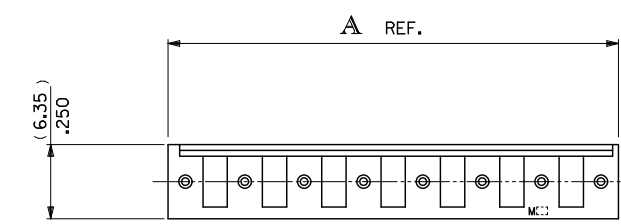
Reference - Drawing Numbers

Product Specification PS-99020-0087
Sales Drawing SDAE-2599M-N*

This document was generated on 05/24/2010

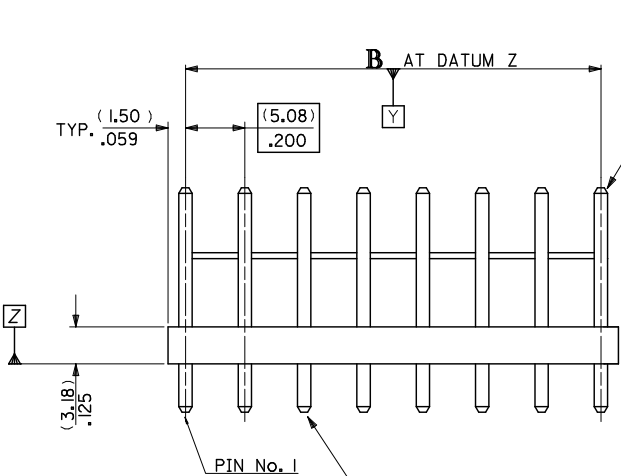
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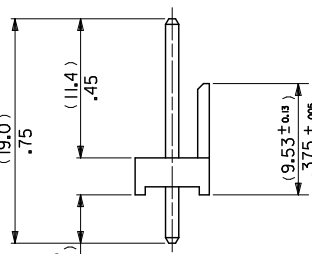


RECOMMENDED PCB HOLE DIMENSIONS

No OF CCTS.	DIMn. A	DIMn. B
2	(8.08) .318	(5.08 ± 0.13) .200 ± .005
3	(13.16) .518	(10.16 ± 0.13) .400 ± .005
4	(18.24) .718	(15.24 ± 0.13) .600 ± .005
5	(23.32) .918	(20.32 ± 0.13) .800 ± .005
6	(28.40) 1.118	(25.40 ± 0.15) 1.000 ± .006
7	(33.48) 1.318	(30.48 ± 0.18) 1.200 ± .007
8	(38.56) 1.518	(35.56 ± 0.18) 1.400 ± .007
9	(43.64) 1.718	(40.64 ± 0.20) 1.600 ± .008
10	(48.72) 1.918	(45.72 ± 0.20) 1.800 ± .008
11	(53.80) 2.118	(50.80 ± 0.20) 2.000 ± .008
12	(58.88) 2.318	(55.88 ± 0.23) 2.200 ± .009
13	(63.96) 2.518	(60.96 ± 0.23) 2.400 ± .009
14	(69.04) 2.718	(66.04 ± 0.25) 2.600 ± .010
15	(74.12) 2.918	(71.12 ± 0.25) 2.800 ± .010
16	(79.20) 3.118	(76.20 ± 0.25) 3.000 ± .010
17	(84.28) 3.318	(81.28 ± 0.28) 3.200 ± .011
18	(89.36) 3.518	(86.36 ± 0.28) 3.400 ± .011
19	(94.44) 3.718	(91.44 ± 0.30) 3.600 ± .012
20	(99.52) 3.918	(96.52 ± 0.30) 3.800 ± .012



TIPS ONLY
 $\text{Ø} (0.51) / .020 \text{ Z X Y}$



TIPS ONLY
 $\text{Ø} (0.38) / .015 \text{ Z X Y}$

AE-2599M-N**
 VOID CKT. LOCn.
 NO. OF CKTS. VERSION
 SEE SHEET 2

- NOTES:
1. WAFER MATERIAL: NYLON 6/6, UL94V-2
 2. TERMINAL PIN: (1.14)/0.045 DIA. BRASS
 3. FOR PLATING, SEE CHARTS.
 4. PRODUCT SPECIFICATION: PS-99020-0087
 5. PIN PUSH OUT FORCE (13.34N)/3LBS. MIN.
 6. PINS MUST CONFORM TO MOLEX SOLDERABILITY SPEC. ES-152.
 7. RECOMMENDED PCB THICKNESS 1.6MM.
 8. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

PIN POSITION TOL. EC NO: UCP-2010-1815 DRWN:MM/PPER 2010/05/26 CHKD:SSOUSEK 2010/05/26 APPR:F:SMITH 2010/06/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION																	
	$\nabla = 0$ $\nabla = 0$	<table border="1"> <tr><th></th><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>± .005</td><td>± .0002</td></tr> <tr><td>3 PLACES</td><td>± .010</td><td>± .0004</td></tr> <tr><td>2 PLACES</td><td>± 0.25</td><td>± .010</td></tr> <tr><td>1 PLACE</td><td>± 0.35</td><td>± .014</td></tr> <tr><td>ANGULAR</td><td>± .005</td><td>± .0002</td></tr> </table>		mm	INCH	4 PLACES	± .005	± .0002	3 PLACES	± .010	± .0004	2 PLACES	± 0.25	± .010	1 PLACE	± 0.35	± .014	ANGULAR	± .005	± .0002	MM/IN	3:1	METRIC
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REV AD	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY: MC DATE: 23/02/1988 CHECKED BY: DMORIARTY DATE: APPROVED BY: JDENNEHY DATE: 2010/05/26 MATERIAL NO. SEE CHART DOCUMENT NO. SDAE-2599M-N* SHEET NO. 1 OF 2	TITLE: WAFER KK (5.08)/.200 CENTRES WITH POLARIZING WALL MOLEX INCORPORATED																			

ib_frame_A3_P_ME_T
 Rev. D 2004/04/02

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