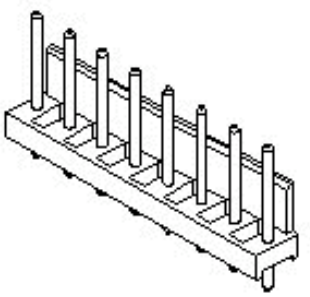
This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0010085121
Status: Active
Overview: kk
Description: 5.08mm (.200") Pitch KK® Header, Vertical, with Polarizing Backwall, 12 Circuits, Tin (Sn) Plating



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-99020-0087 (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)	12
Circuits (maximum)	12
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

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
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

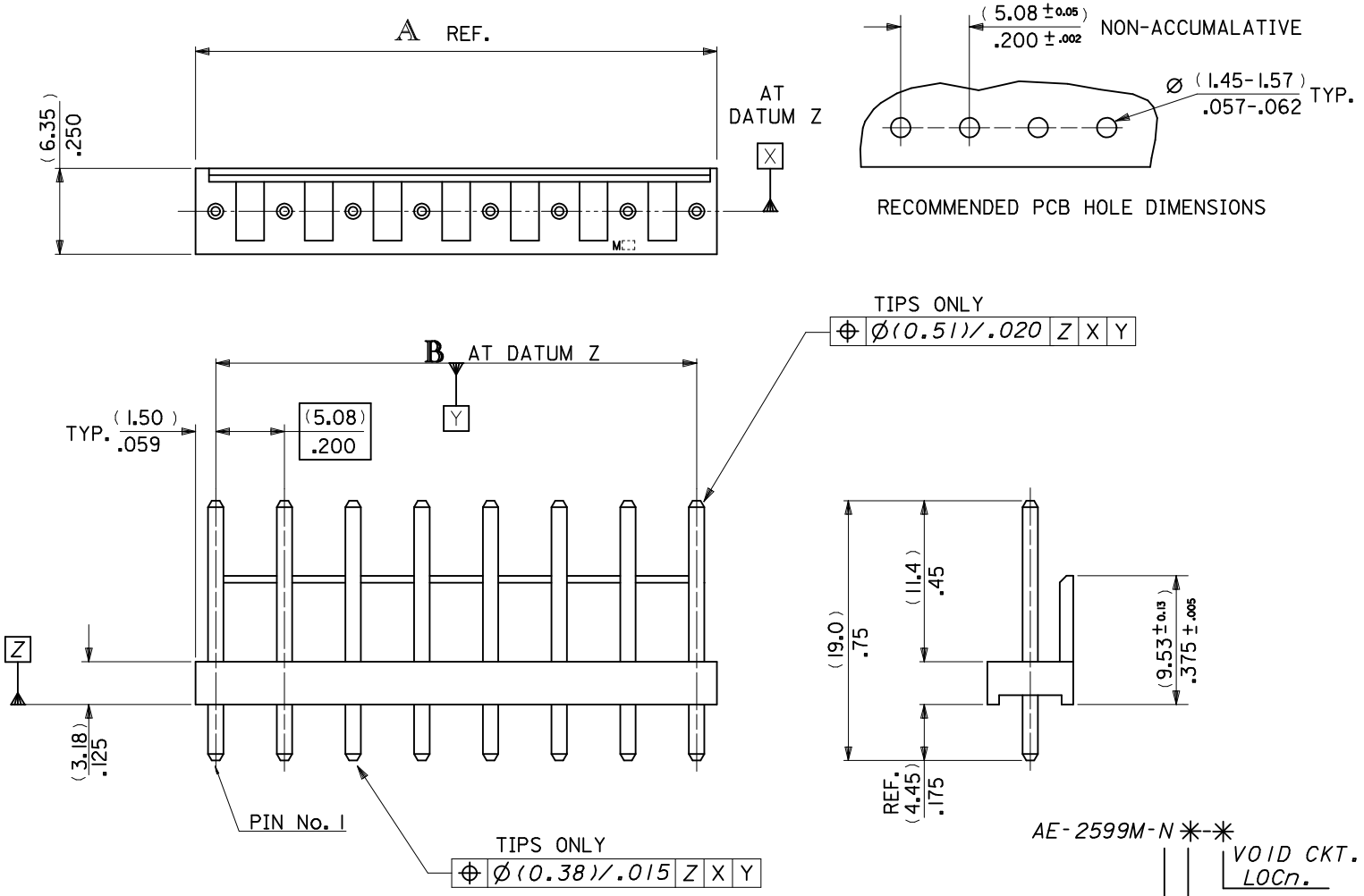
Old Part Number	2599M12A

Reference - Drawing Numbers

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

This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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

NOTES:
1. WAFER MATERIAL: NYLON 6/6, UL94V-2
   TERMINAL PIN: (1.14)/.045 DIA. BRASS
2. FOR PLATING, SEE CHARTS.
3. PRODUCT SPECIFICATION: PS-99020-0087
4. PIN PUSH OUT FORCE (13.34N)/3LBS. MIN.
5. PINS MUST CONFORM TO MOLEX SOLDERABILITY SPEC. ES-152.
6. RECOMMENDED PCB THICKNESS 1.6MM.
7. THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

PIN POSITION TOL.
EC NO: UCP2010-1815 2010/05/26
DRWN:MK IPPER 2010/05/26
CH'KD:SSOUSEK 2010/06/03
APPR:FSMITH
DESCRIPTION
AD
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	±.010
2 PLACES	± 0.25	±.014
1 PLACE	± 0.35	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: MC DATE: 23/02/1988
CHECKED BY: DMORIARTY DATE:
APPROVED BY: JDENNEHY DATE: 2010/05/26
MATERIAL NO.: SEE CHART

TITLE: WAFER KK (5.08)/.200 CENTRES WITH POLARIZING WALL
MOLEX INCORPORATED
DOCUMENT NO.: SDAE-2599M-N*
SHEET NO.: 1 OF 2
SIZE: A3

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

PART NO. SEE CHART

DWG. NO. SDAE-2599M-N ✳

No. OF CCTS.	AE-2599M-NA PART No.	AE-2599M-NA ENG. No.	AE-2599M-NAG PART No.	AE-2599M-NAG ENG. No.
2	10-08-5021	AE-2599M- 2 A	10-45-5021	AE-2599M- 2 AG
3	5031	3 A	5031	3 AG
4	5041	4 A	5041	4 AG
5	5051	5 A	5051	5 AG
6	5061	6 A	5061	6 AG
7	5071	7 A	5071	7 AG
8	5081	8 A	5081	8 AG
9	5091	9 A	5091	9 AG
10	5101	10 A	5101	10 AG
11	5111	11 A	5111	11 AG
12	5121	12 A	5121	12 AG
13	5131	13 A	5131	13 AG
14	5141	14 A	5141	14 AG
15	5151	15 A	5151	15 AG
16	5161	16 A	5161	16 AG
17	5171	17 A	5171	17 AG
18	5181	18 A	5181	18 AG
19	5191	19 A	5191	19 AG
20	10-08-5201	AE-2599M- 20 A	10-45-5201	AE-2599M- 20 AG
PLATING	(0.0051)/.0002 MIN TIN OVER (0.0025)/.0001 MIN COPPER		(0.0005)/.00002 MIN GOLD OVER (0.0005)/.00005 MIN NICKEL	

AE-2599M-NA-✳ PART No.	AE-2599M-NA-✳ ENG. No.	AE-2599M-NA-✳ PART No.	AE-2599M-NA-✳ ENG. No.
38-00-0888	AE-2599M- 3 A-1	38-00-7480	AE-2599M- 8 A-5
38-00-7089	3 A-2	38-00-7486	8 A-1,5
38-00-7586	3 A-3	38-00-7097	8 A-3,5
38-00-7091	4 A-1,3	38-00-7606	8 A-3,6
38-00-7090	4 A-2	38-00-7598	8 A-5,7
38-00-7092	4 A-3	38-00-7485	8 A-5,8
38-00-4903	4 A-2,3	38-00-8278	08 A-2
38-00-7483	5 A-2	38-00-7660	8 A-3
38-00-7610	5 A-2,4	38-00-7707	8 A-6
38-00-7093	5 A-3	38-00-8277	8 A-7
38-00-7594	5 A-4	38-00-7609	9 A-2
38-00-7487	5 A-5	38-00-7084	9 A-3
38-00-7584	6 A-2	38-00-7585	9 A-4
38-00-7094	6 A-3	38-00-7607	9 A-4,7
38-00-7095	6 A-4	38-00-7098	9 A-5
38-00-7096	6 A-5	38-00-7599	9 A-6
38-00-7100	6 A-4,5	38-00-7670	9 A-7
38-00-7479	6 A-6	38-00-7484	10 A-3
38-00-1208	7 A-2	38-00-4902	10 A-4
38-00-7608	7 A-2,5	38-00-4905	10 A-6
38-00-7481	7 A-3	38-00-7099	11 A-5
38-00-0887	7 A-4	38-00-4900	12 A-2
38-00-7595	7 A-5	38-00-7482	12 A-4
38-00-7596	7 A-6	38-00-4899	12 A-6
38-00-7664	8 A-3	38-00-4904	12 A-8
38-00-7597	AE-2599M- 8 A-4	38-00-4901	12 A-9
		38-00-7600	12 A-3,10
		38-00-7601	12 A-6,10
		38-00-7709	13 A-4
		38-00-7085	14 A-4
		38-00-7087	AE-2599M- 17 A-4
(0.0051)/.0002 MIN TIN OVER (0.0025)/.0001 MIN COPPER			

FOR PREVIOUS DRAWING ISSUES SEE MRI.

REV	DESCRIPTION
ZA	PART#38-00-8278 & ENG#AE-2599M-08 A-2 ADDED ECO NO. E2004-0350 DRWN: PSHEAHAN 03/10/16 CH'K: / / APPR: / /

QUALITY SYMBOLS

MAJOR ▼ =

CRITICAL C =

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

DESIGN UNITS [X] mm [ ] INCH

THIRD ANGLE PROJECTION

DIMENSIONS: [X] mm/INCH [ ] INCH/mm [ ] mm ONLY

SHT | REV

REVISE ON CAD ONLY

DRAWN BY & DATE MC 23/02/88

CHECKED BY & DATE

APPROVED BY & DATE

CAD FILENAME SA2599MX2 DGN

TITLE: WAFER,KK, (5.08)/.200 CENTRES WITH POLARISING WALL

MOLEX INCORPORATED

MATERIAL NO.	DRAWING NO.	SHEET NO.
SEE CHART	SDAE-2599M-N ✳	20F

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SIZE B

7132-1283