

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0010085021

Status:

Active

Overview:

kk

Description:

5.08mm (.200") Pitch KK® Header, Vertical, with Polarizing Backwall, 2 Circuits, Tin (Sn) Plating

Documents:

3D Model

Drawing (PDF)

Product Specification PS-99020-0087 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Overview

Product Name

PCB Headers

2599

Wire-to-Board

kk

KK®

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to PCB

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

No

2

2

Natural

25

No

94V-2

No

No

None

None

Brass

Tin

Tin

Nylon

1

Vertical

0.175 In

4.45 mm

None

0.062 In

1.60 mm

Bag

0.200 In

5.08 mm

200

5

200

5

No

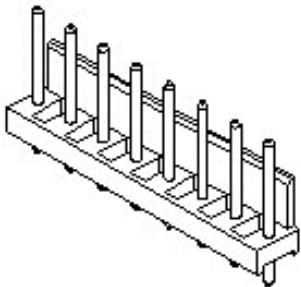
Partial

Yes

No

0°C to +75°C

Through Hole



Series

image - Reference only

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

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

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

Material Info

Old Part Number	2599M02A
-----------------	----------

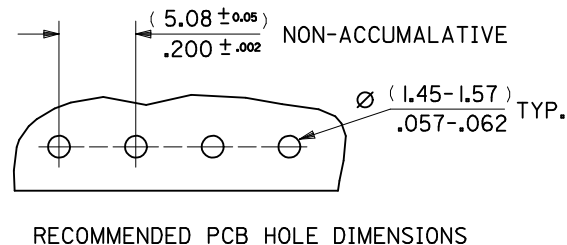
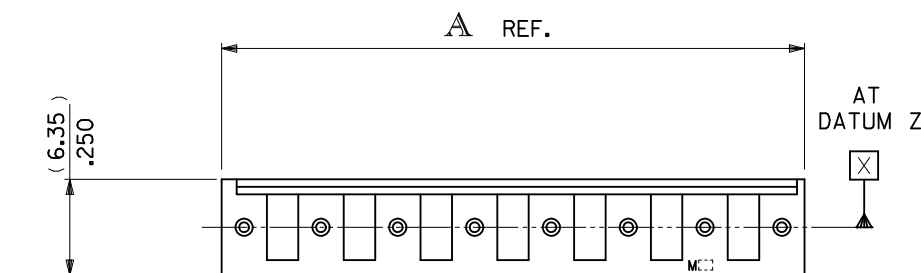
Reference - Drawing Numbers

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

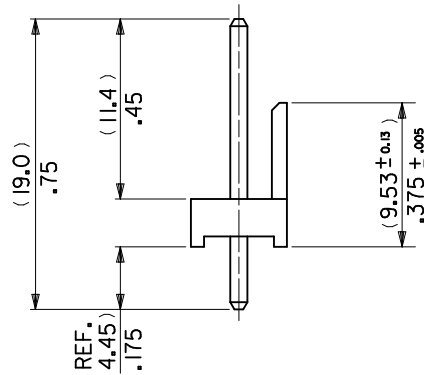
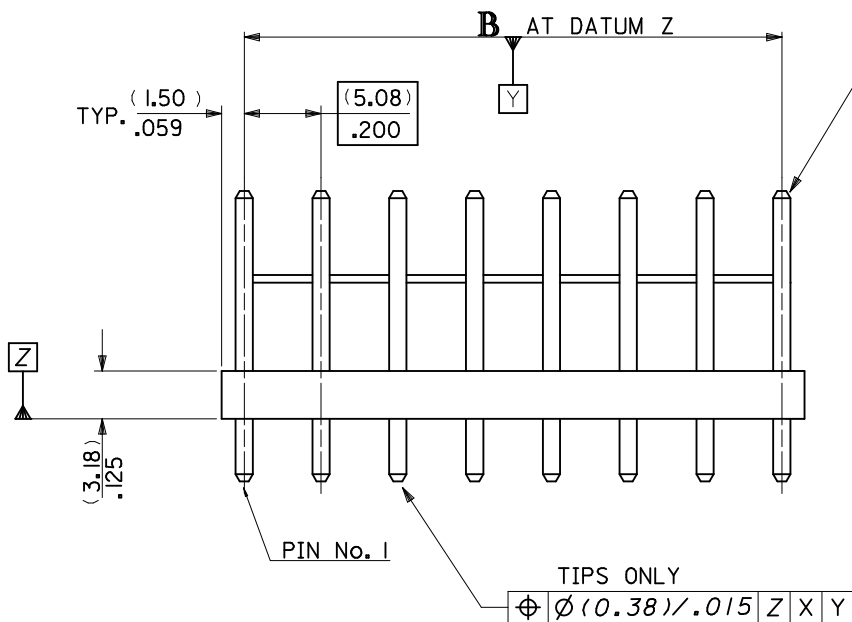
10 9 8 7 6 5 4 3 2 1



RECOMMENDED PCB HOLE DIMENSIONS

TIPS ONLY

$\Phi \varnothing(0.51) / .020$ Z X Y



AE-2599M-N*-*

VOID CKT.
LOCn.

NO. OF CKTS.

VERSION

SEE SHEET 2

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.	DESCRIPTION	QUALITY SYMBOLS
EC NO: UCP2010-1815	2010/05/26	▽=0
DRWN:WK/PER	2010/05/26	▽=0
CHKD:SS/USEK	2010/05/26	
APPR:FSM/TH	2010/06/03	
AD		

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	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM/IN	3:1	METRIC	
DRAWN BY	DATE	TITLE	
MC	23/02/1988		
CHECKED BY	DATE		
DMORIARTY			
APPROVED BY	DATE		
JDENNEY	2010/05/26		
MATERIAL NO.			
SEE CHART			

WAFER KK	DOCUMENT NO.	SHEET NO.
(5.08)/.200 CENTRES WITH POLARIZING WALL	SDAE-2599M-N*	1 OF 2
MOLEX INCORPORATED		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

[illegible]