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Part Number: [0879371601](#)
Status: **Active**
Overview: [kk](#)
Description: 2.54mm (.100") Pitch KK® Header, Single Row Dual Body, Through Hole, Vertical, 16 Circuits, 0.25µm (10µ") Gold(Au) Selective Plating, 19.05mm (.750") Stacking Height, Lead-free

Documents:
[3D Model](#) [Product Specification PS-87920-019 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family PCB Headers
Series [87937](#)
Application Board-to-Board, Wire-to-Board
Overview [kk](#)
Product Name Dual Body, KK®

Physical

Breakaway Yes
Circuits (Loaded) 16
Circuits (maximum) 16
Color - Resin Black
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part None
Mated Height (in) 0.470 In
Mated Height (mm) 11.94 mm
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Tin
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) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
Pitch - Term. Interface (in) 0.100 In
Pitch - Term. Interface (mm) 2.54 mm
Plating min: Mating (µin) 10
Plating min: Mating (µm) 0.25
Plating min: Termination (µin) 80
Plating min: Termination (µm) 2.00
Polarized to Mating Part No

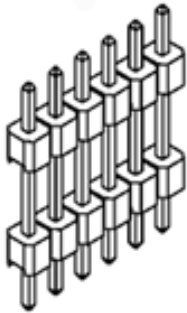


image - Reference only

Series

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

[87937Series](#)

Mates With

KK® PCB Receptacles [4455](#). SL™ IDT
Housings [70430](#) , [7720](#), [70400](#). C-Grid®
PCB Receptacles [90147](#), [90148](#)

Polarized to PCB	No
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	12
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

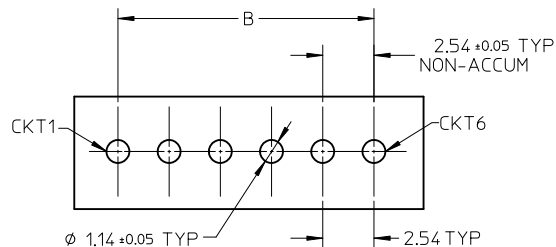
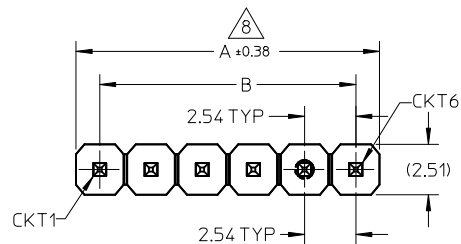
Material Info

Reference - Drawing Numbers

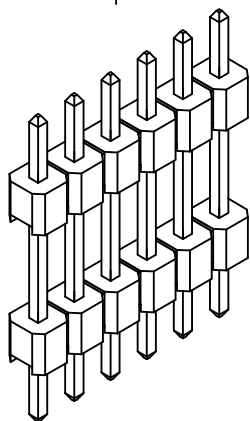
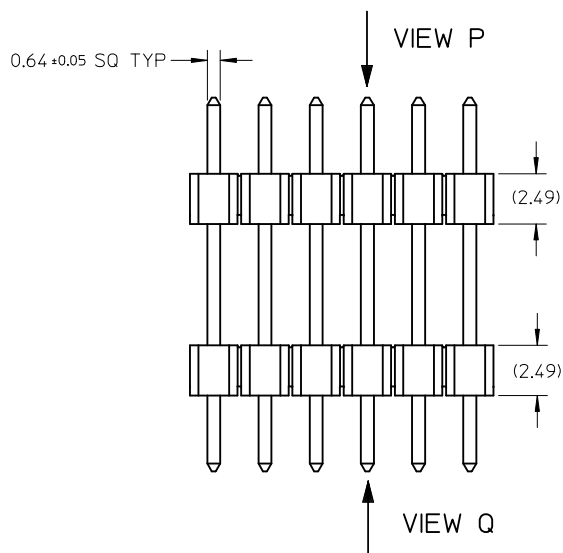
Packaging Specification	PK-89990-491
Product Specification	PS-87920-019
Sales Drawing	SD-87937-007

This document was generated on 05/26/2010

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RECOMMENDED PCB HOLE LAYOUT



NOTES:

1. MATERIAL:

HOUSING: NYLON, GLASS FILLED, UL94V-0,
COLOR: BLACK
TERMINAL: 0.64MM SQ PIN, COPPER ALLOY

2. PLATING TYPE:

- (1) : GOLD FLASH OVER
1.25µm MIN. NICKEL OVERALL.
- (2) : 0.05 µm MIN. GOLD PLATE ON CONTACT AND
2.50 µm MIN. TIN ON SOLDER TAIL OVER
1.25 µm MIN. NICKEL OVERALL.
- (3) : 0.38 µm MIN. GOLD PLATE ON CONTACT AND
2.00 µm MIN. TIN ON SOLDER TAIL OVER
1.25 µm MIN. NICKEL OVERALL.
- (4) : 0.75 µm MIN. GOLD PLATE ON CONTACT AND
2.00 µm MIN. TIN ON SOLDER TAIL OVER
1.25 µm MIN. NICKEL OVERALL.
- (5) : 2.50 µm MIN. TIN OVER
1.25 µm MIN. NICKEL OVERALL.
- (6) : 0.75 µm MIN. GOLD PLATE ON CONTACT AND
SOLDER TAIL OVER 1.25 µm MIN. NICKEL OVERALL.

3. THE ABOVE 6 CKT IS FOR ILLUSTRATION PURPOSE ONLY.

4. PACKAGING TYPE: SEE TABLE

5. RECOMMENDED PCB THICKNESS 1.60MM.

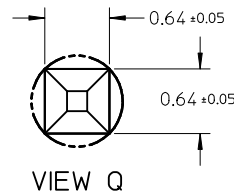
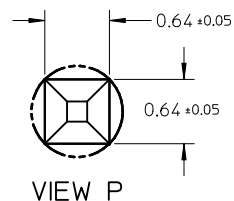
6. PRODUCT SPECIFICATION: PS-87920-019

7. WAFER TO BE FLAT WITHIN 0.003mm/mm

8. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION
IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN
BODY IS NOT ACCEPTABLE.

9. PARTS ARE NOT STACKABLE ON 2.54 CENTER

10. PACKAGING SPECIFICATION: SEE TABLE



ADD P/N: 87937-1602 EC NO: S2010-0138 DRWN:SKANG CHKD:ATSEE APPR:MLONG 2009/08/12 2010/01/04 2010/01/14	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY SKLIM01	DATE 2006/03/10	TITLE CUSTOM HEADER 2.54MM PITCH SINGLE ROW DUAL WAFER HEADER, T/H				
			4 PLACES	± ---	± ---	CHECKED BY PATEY	DATE 2006/03/20					
			3 PLACES	± ---	± ---	APPROVED BY MLONG			DATE 2010/01/14	molex MOLEX INCORPORATED		
			2 PLACES	± 0.2	± ---							
			1 PLACE	± ---	± ---							
ANGULAR ± 3 °			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87937-007			SHEET NO. 1 OF 2				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
REV A5												

