

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0879370600](#)
Status: **Active**
Overview: [kk](#)
Description: 2.54mm (.100") Pitch KK® Header, Single Row Dual Body, Through Hole, Vertical, 6 Circuits, 0.75µm (29µ") Gold (Au) Plating, 10.90mm (.429") Stacking Height, Tray Packaging, Lead-free

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

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) 6
Circuits (maximum) 6
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) 0.480 In
Mated Height (mm) 12.20 mm
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Gold
Material - Resin Nylon
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.480 In
PC Tail Length (mm) 12.20 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) 29
Plating min: Mating (µm) 0.75
Plating min: Termination (µin) 29
Plating min: Termination (µm) 0.75
Polarized to Mating Part No

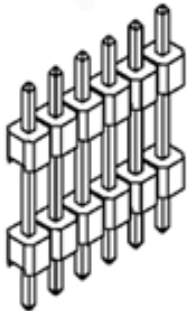


image - Reference only

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)	3
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	255

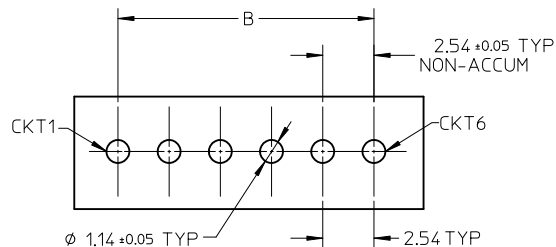
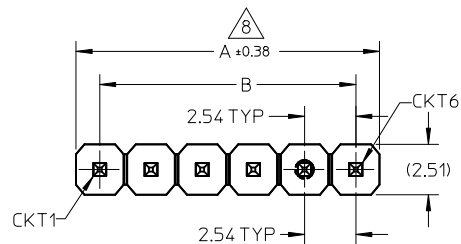
Material Info

Reference - Drawing Numbers

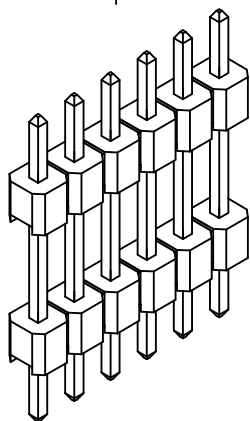
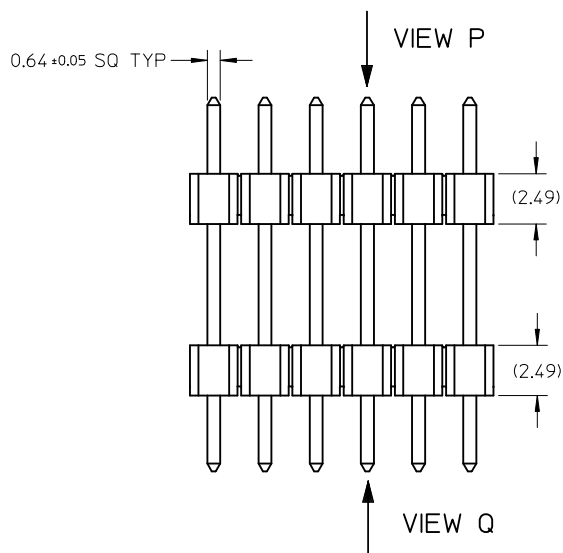
Packaging Specification	PK-89990-489
Product Specification	PS-87920-019
Sales Drawing	SD-87937-007

This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



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.

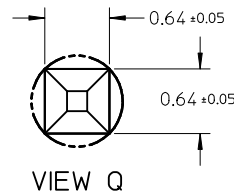
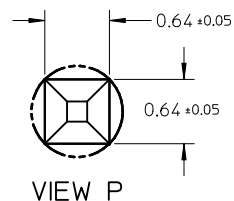
6. PRODUCT SPECIFICATION: PS-87920-019

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		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO: S2010-0138		DESCRIPTION		mm		MM ONLY		NTS	METRIC	CUSTOM HEADER 2.54MM PITCH SINGLE ROW DUAL WAFER HEADER, T/H	
INCH				DRAWN BY		DATE		TITLE			
4 PLACES ± --- ± ---				SKL IM01		2006/03/10					
3 PLACES ± --- ± ---				CHECKED BY		DATE					
2 PLACES ± 0.2 ± ---				PATEY		2006/03/20					
1 PLACE ± --- ± ---		APPROVED BY		DATE							
ANGULAR ± 3 °		MLONG		2010/01/14		molex		MOLEX INCORPORATED			
DRAFT WHERE APPLICABLE		MATERIAL NO.		SEE TABLE		DOCUMENT NO.		SD-87937-007		SHEET NO.	
MUST REMAIN WITHIN DIMENSIONS		SIZE		A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				1 OF 2	
A5		REV									

