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Part Number: [0877540552](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Header, Breakaway, Right Angle, Through Hole, Vertical, 5 Circuits, 0.38µm (15µ") Gold (Au) Plating, Tray Packaging, Lead-free

Documents:

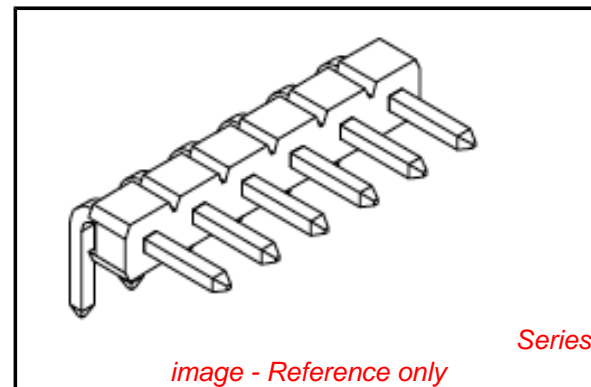
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Headers
Series	87754
Application	Board-to-Board
Product Name	N/A

Physical

Breakaway	Yes
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height (in)	0.157 In
Mated Height (mm)	4.00 mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Right Angle
PC Tail Length (in)	0.102 In
PC Tail Length (mm)	2.60 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)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	79
Plating min: Termination (µm)	2.00
Polarized to Mating Part	No
Polarized to PCB	No
Robotic Placement	None
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°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
[87754Series](#)

Electrical

Current - Maximum per Contact

2A

Voltage - Maximum

125V

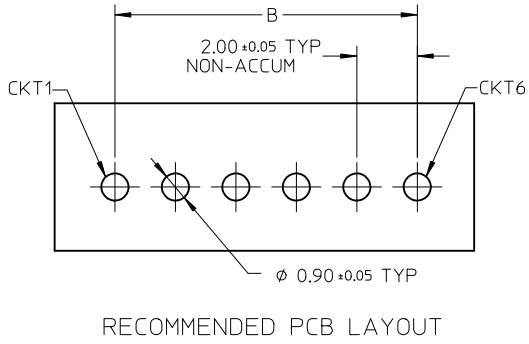
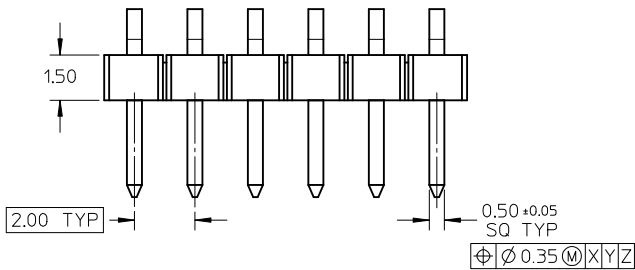
Material Info**Reference - Drawing Numbers**

Sales Drawing

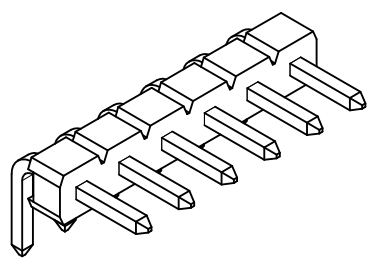
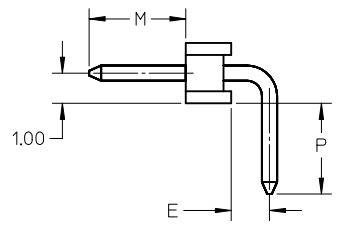
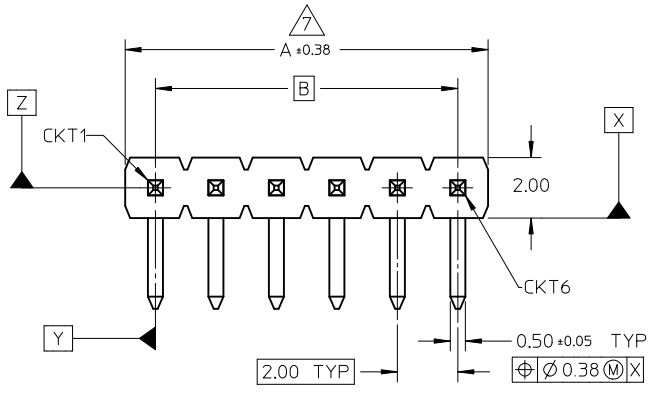
SD-87754-100

This document was generated on 05/17/2010

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- NOTES:
- MATERIAL:
 - HOUSING: NYLON, GLASS FILLED, UL94V-0, COLOR: BLACK
 - PIN : COPPER ALLOY 0.50mm SQ.
 - PLATING TYPE:
 - (1) GOLD FLASH OVER
1.25µm MIN. NICKEL OVERALL
 - (2) 0.05µm MIN. GOLD PLATE ON CONTACT AND 2.50µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
 - (3) 0.38µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
 - (4) 0.75µm MIN. GOLD PLATE ON CONTACT AND 2.00µm MIN. TIN ON SOLDER TAIL OVER
1.25µm MIN. NICKEL OVERALL.
 - (5) 2.50µm MIN. TIN OVERALL
1.25µm MIN. NICKEL OVERALL
 - THE ABOVE 6 CKT IS FOR ILLUSTRATION PURPOSE ONLY.
 - RECOMMENDED PCB THICKNESS 1.60mm
 - PRODUCT SPECIFICATION: PS-87761-100
 - WAFER TO BE FLAT WITHIN 0.003mm/mm
 - IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE.
 - PACKAGING SPECIFICATION:
 - (1) BULK : PK-89990-490
 - (2) TRAY : PK-89990-487



092-DW, + 877542552 EC NO: S2010-0925 DRWN:ATSEE 2010/05/06 CHKD:SKANG 2010/06/09 APPR:MLONG 2010/06/14	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	$F_A=0$ $F_C=0$ $F_P=0$	mm	INCH	MM ONLY		NTS	METRIC		
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE		
		3 PLACES	± ---	± ---	CWLAM	2007/07/20	CUSTOM HEADER		
	2 PLACES	± 0.2	± ---	CHECKED BY	DATE	2.00MM PITCH SINGLE ROW			
	1 PLACE	± ---	± ---	KWLEE	2007/08/15	HEADER, SINGLE WAFER, R/A			
	ANGULAR ± 3°			APPROVED BY	DATE	MOLEX INCORPORATED			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MLONG	2009/12/04	MOLEX INCORPORATED			
				MATERIAL NO.	SEE TABLE	DOCUMENT NO.		SHEET NO.	
				SIZE	A3	SD-87754-100		1 OF 2	
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

CKT SIZE	DIMENSION		PART NO FOR PE BAG PACKAGING	PART NO FOR TRAY PACKAGING	CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					
	A	B						M	P	E	-	-	
02	4.00	2.00											
03	6.00	4.00	87754-4051	----	40	----	5	3.50	3.00	1.50	---	---	
04	8.00	6.00	----	87754-0352	03	----	5	7.00	4.60	1.20	---	---	
05	10.00	8.00											
06	12.00	10.00	----	87754-0552	05	----	3	4.00	2.60	1.50	---	---	
07	14.00	12.00											
08	16.00	14.00	----	87754-0553	05	----	5	7.00	4.60	1.20	---	---	
09	18.00	16.00											
10	20.00	18.00	----	87754-2552	25	----	5	3.00	2.80	1.50	---	---	
11	22.00	20.00											
12	24.00	22.00											
13	26.00	24.00											
14	28.00	26.00											
15	30.00	28.00											
16	32.00	30.00											
17	34.00	32.00											
18	36.00	34.00											
19	38.00	36.00											
20	40.00	38.00											
21	42.00	40.00											
22	44.00	42.00											
23	46.00	44.00											
24	48.00	46.00											
25	50.00	48.00											
26	52.00	50.00											
27	54.00	52.00											
28	56.00	54.00											
29	58.00	56.00											
30	60.00	58.00											
31	62.00	60.00											
32	64.00	62.00											
33	66.00	64.00											
34	68.00	66.00											
35	70.00	68.00											
36	72.00	70.00											
37	74.00	72.00											
38	76.00	74.00											
39	78.00	76.00											
40	80.00	78.00											

092-DW. + 877542552 EC NO: S2010-0925 DRWN:ATSEE 2010/05/06 CHKD:SKANG 2010/06/09 APPR:MLONG 2010/06/14	QUALITY SYMBOLS $F_A=0$ $F_C=0$ $F_P=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.2</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.2	± ---	1 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	
		mm	INCH																		
	4 PLACES	± ---	± ---																		
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2 PLACES	± 0.2	± ---																			
1 PLACE	± ---	± ---																			
DESCRIPTION A3	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE SEE TABLE	DRAWN BY CWLAM	DATE 2007/07/20	TITLE CUSTOM HEADER 2.00MM PITCH SINGLE ROW HEADER,SINGLE WAFER, R/A																
		ANGULAR ± 3 °	CHECKED BY KWLEE	DATE 2007/08/15	MOLEX INCORPORATED																
			APPROVED BY MLONG	DATE 2009/12/04	MATERIAL NO. SD-87754-100	SHEET NO. 2 OF 2															