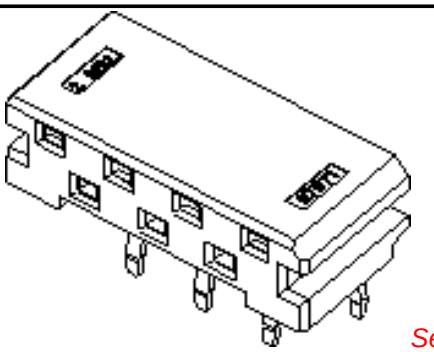
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**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** 0878712323

**Status:** Active

**Description:** 1.25mm (.049") Pitch Board-to-Board Receptacle, Through Hole with Kinked PC Tails, 23 Circuits, Tin (Sn) Overall, Tube Packaging, Lead-free



*Series image - Reference only*

**Documents:**

3D Model
Drawing (PDF)
Product Specification PS-87871-006 (PDF)
RoHS Certificate of Compliance (PDF)

## General

| | |
|---|---|
| Product Family | PCB Receptacles |
| Series | 87871 |
| Application | Board-to-Board |
| Comments | ZIGZAG |
| Product Name | N/A |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 23 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 10 |
| Glow-Wire Compliant | No |
| Lock to Mating Part | None |
| Mated Height (in) | 0.154 In |
| Mated Height (mm) | 3.90 mm |
| Material - Metal | Copper |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length (in) | 0.138 In |
| PC Tail Length (mm) | 3.50 mm |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness Recommended (in) | 0.062 In |
| PCB Thickness Recommended (mm) | 1.60 mm |
| Packaging Type | Tube |
| Pitch - Mating Interface (in) | 0.049 In |
| Pitch - Mating Interface (mm) | 1.25 mm |
| Plating min: Mating (µin) | 120 |
| Plating min: Mating (µm) | 3.00 |
| Plating min: Termination (µin) | 120 |
| Plating min: Termination (µm) | 3.00 |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole - Kinked Pin |

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 2A |
| Voltage - Maximum | 125V |

## Material Info

## Reference - Drawing Numbers

**EU RoHS**
ELV and RoHS Compliant
**REACH SVHC**
Contains SVHC: No
**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**
87871Series

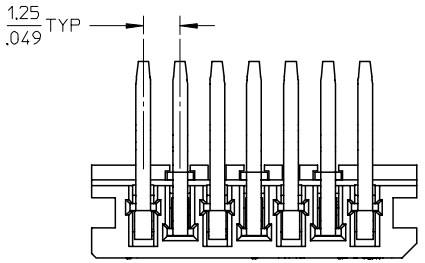
**Mates With**
87872 Board-to-Board Header

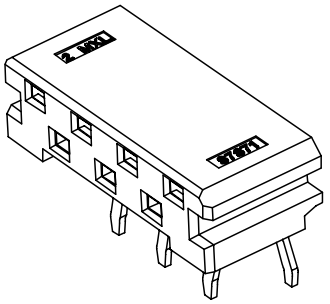
| | |
|---|---|
| Product Specification | PS-87871-006 |
| Sales Drawing | SD-87871-010 |

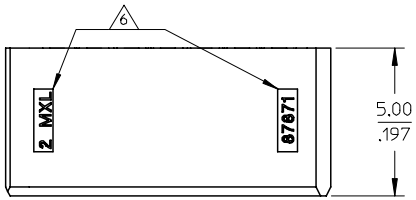
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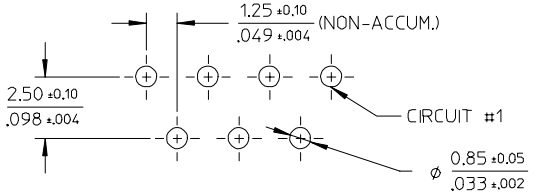
**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

| PART NUMBER | CKT SIZE | DIM A | DIM B |
|---|---|---|---|
| 87871-2317 | 17 | 20.0 | 23.5 |
| 87871-2319 | 19 | 22.5 | 26.0 |
| 87871-2321 | 21 | 25.0 | 28.5 |
| 87871-2323 | 23 | 27.5 | 31.0 |

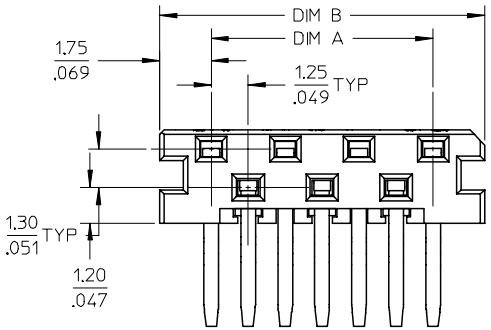


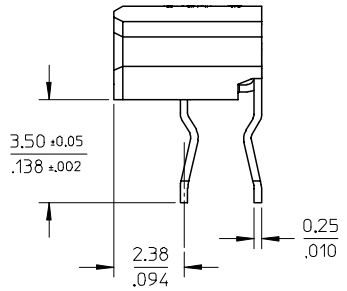



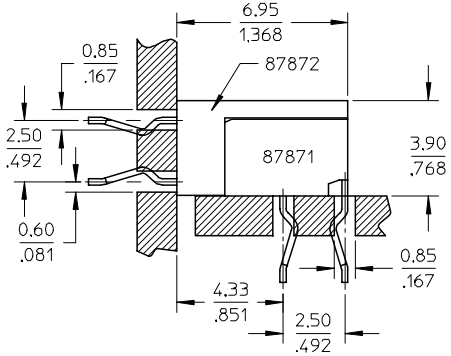




RECOMMENDED PCB LAYOUT
(BOARD THICKNESS : 1.6MM)




NOTES
1. MATERIAL : HOUSING - HIGH TEMP THERMOPLASTIC, GLASS FILLED, UL94 V-0, COLOR : NATURAL
   TERMINAL - PHOSPHOR BRONZE
2. FINISHES : TERMINAL - TIN OVERALL
   THICKNESS= 3 MICROMETER/118 MICROINCH MINIMUM
3. PRODUCT SPECIFICATION : PS-87871-006
4. PART MATEABLE TO 87872-11**
5. PARTS ARE PACKED IN TUBE.
6. CAVITY IDENTIFICATION NUMBER

EC NO: S2005-0142 2004/11/01
DRWN:BHLOW 2004/11/01
CH'KD:PTLIM 2004/11/04
APPR:SKTOH
DESCRIPTION
REV A1

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

| | mm | INCH |
|---|---|---|
| 4 PLACES | ± --- | ± --- |
| 3 PLACES | ± --- | ± --- |
| 2 PLACES | ± 0.20 | ± --- |
| 1 PLACE | ± --- | ± --- |
| ANGULAR ± 3 ° | | |

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: BHLOW DATE: 2004/03/31
CHECKED BY: PTLIM DATE: 2004/04/07
APPROVED BY: SCLOW DATE: 2004/04/13
MATERIAL NO.: SEE TABLE

TITLE: SALES DRAWING
ZIGZAG, 1.25MM, BTB
RECEPTACLE (LEAD-FREE)

MOLEX INCORPORATED

DOCUMENT NO.: SD-87871-010
SHEET NO.: 1 OF 1
SIZE: A3

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