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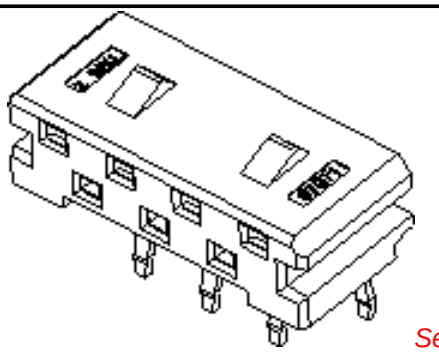
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0878712205

Status: Active

Description: 1.25mm (.049") Pitch Board-to-Board Receptacle, Through Hole, Friction Lock, with Kinked PC Tails, 5 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)	5
Color - Resin	Natural
Durability (mating cycles max)	10
Glow-Wire Compliant	No
Lock to Mating Part	Yes
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.

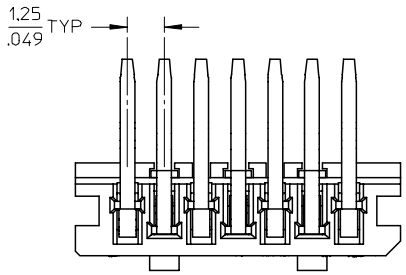
Search Parts in this Series
87871Series

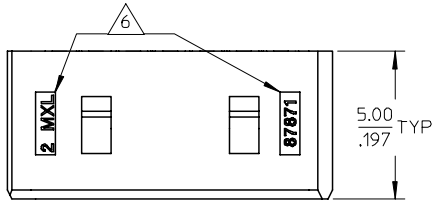
Mates With
87872-1105

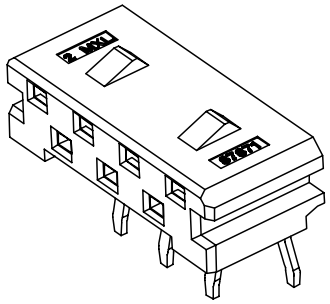
Product Specification	PS-87871-006
Sales Drawing	SD-87871-001

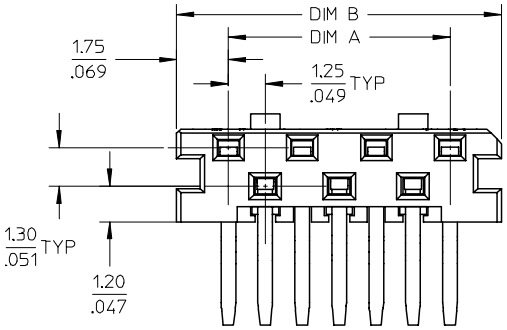
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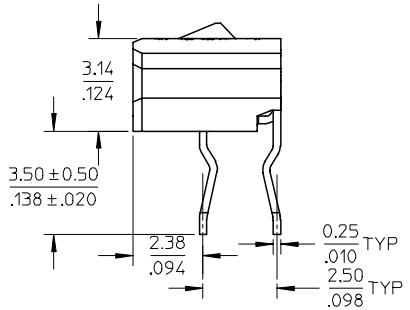
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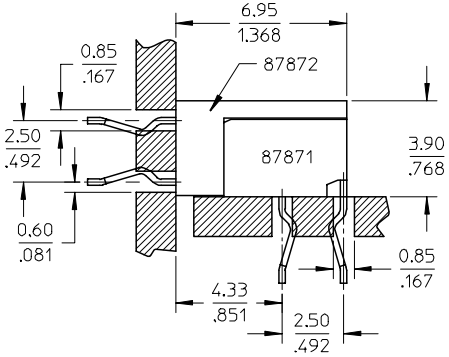




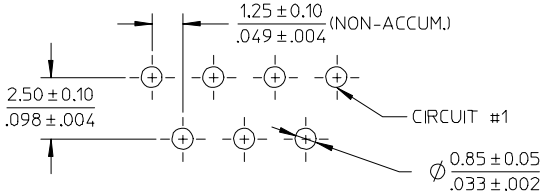








PART NUMBER IN T&R	PART NUMBER IN TUBE	CKT SIZE	DIM A	DIM B
87871-2403	87871-2203	3	2.5	6.0
87871-2405	87871-2205	5	5.0	8.5
87871-2407	87871-2207	7	7.5	11.0
87871-2409	87871-2209	9	10.0	13.5
87871-2411	87871-2211	11	12.5	16.0
87871-2413	87871-2213	13	15.0	18.5
87871-2415	87871-2215	15	17.5	21.0
87871-2417	87871-2217	17	20.0	23.5
87871-2419	87871-2219	19	22.5	26.0
87871-2421	87871-2221	21	25.0	28.5
87871-2423	87871-2223	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=3.0 MICROMETER/118 MICROINCH MINIMUM
3. PRODUCT SPECIFICATION : PS-87871-006
4. PART MATEABLE TO 87872-11**
5. PARTS ARE PACKED IN TUBE.
6. PART NUMBER & CAVITY IDENTIFICATION NUMBER

ADD PART NO.
EC NO: S2006-0462 2005/10/26
DRWN:KFLIM 2005/10/26
CHKD:BHLOW 2005/10/27
APPR:PTLIM DESCRIPTION
REV
A2

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: 2004/03/03
CHECKED BY: PTLIM DATE: 2004/04/14
APPROVED BY: SCLOW DATE: 2004/04/14
MATERIAL NO.: SEE TABLE

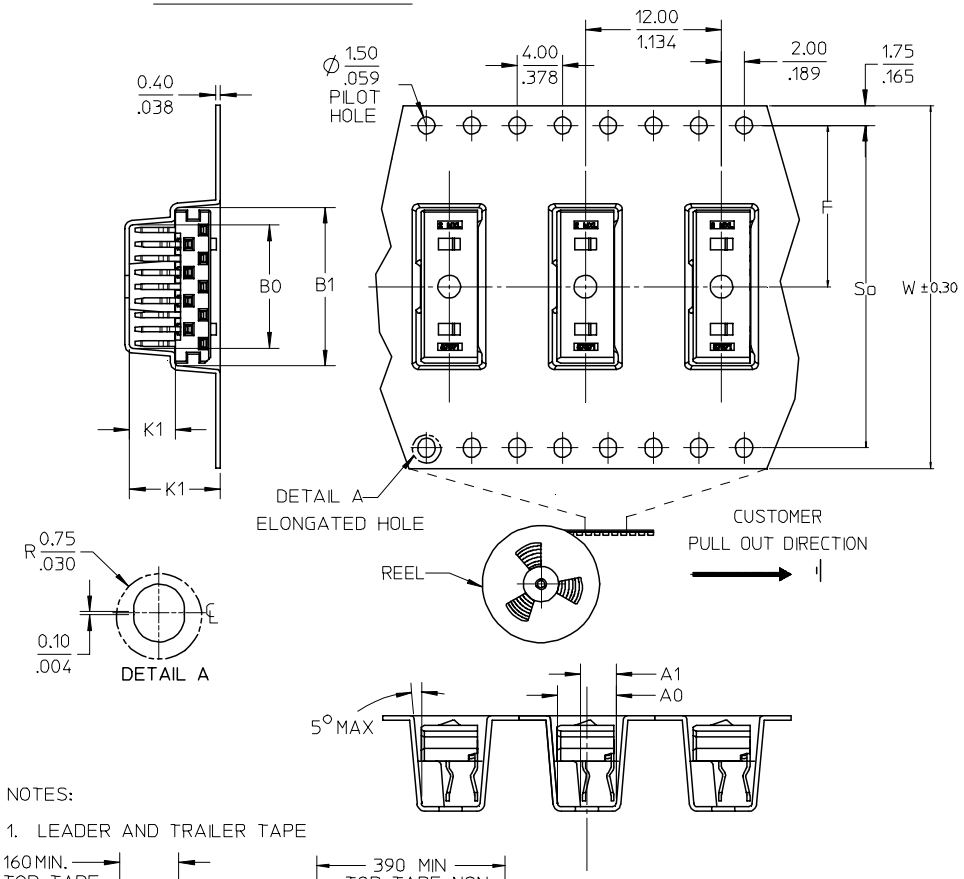
TITLE: SALES, ZIGZAG, 1.25MM BTB, RECEPTACLE WITH FRICTION LOCK (LEADFREE)

molex MOLEX INCORPORATED

DOCUMENT NO.: SD-87871-001
SHEET NO.: 1 OF 2
SIZE: A3

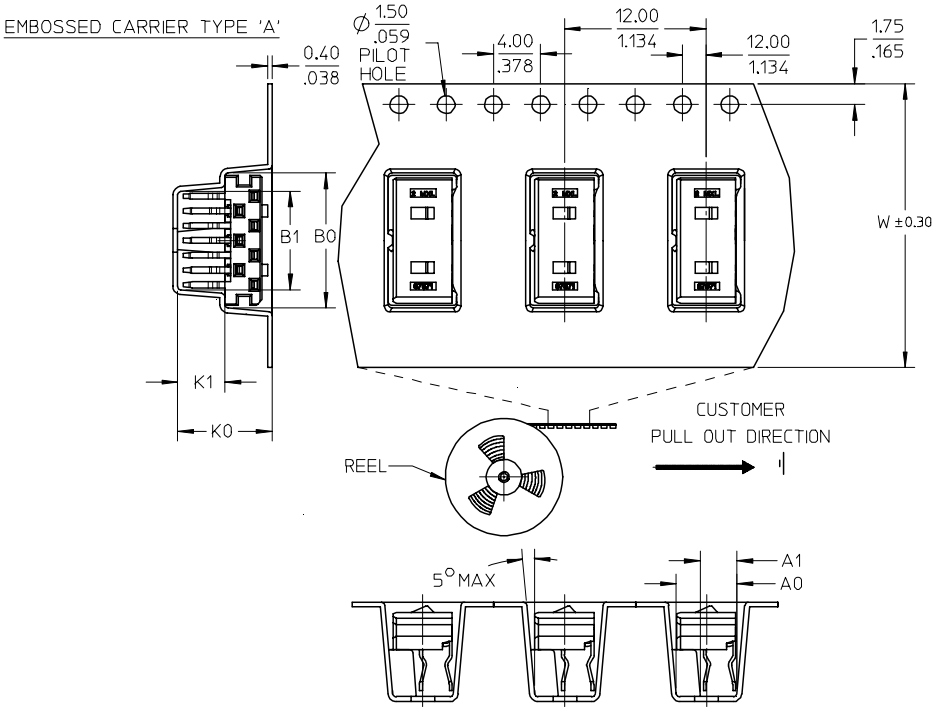
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EMBOSSED CARRIER TYPE 'B'



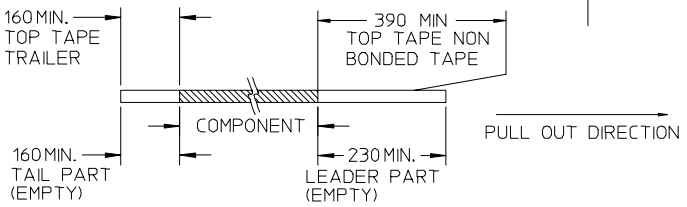
P/N IN T&R	CKT SIZE	W	F	B1	B0	S0	A1	A0	K1	K0	TYPE
87871-2403	3	24	11.50	3.30	6.40	-	3.10	5.10	4.00	8.00	A
87871-2405	5	24	11.50	5.80	8.90	-	3.10	5.10	4.00	8.00	A
87871-2407	7	24	11.50	8.30	11.40	-	3.10	5.10	4.00	8.00	A
87871-2409	9	32	14.20	10.80	13.90	28.4	3.10	5.10	4.00	8.00	B
87871-2411	11	32	14.20	13.30	16.40	28.4	3.10	5.10	4.00	8.00	B
87871-2413	13	32	14.20	15.80	18.90	28.4	3.10	5.10	4.00	8.00	B
87871-2415	15	32	14.20	18.30	21.40	28.4	3.10	5.10	4.00	8.00	B
87871-2417	17	44	20.20	20.80	23.90	40.40	3.10	5.10	4.00	8.00	B
87871-2419	19	44	20.20	23.30	26.40	40.40	3.10	5.10	4.00	8.00	B
87871-2421	21	44	20.20	25.80	28.90	40.40	3.10	5.10	4.00	8.00	B
87871-2423	23	44	20.20	28.30	31.40	40.40	3.10	5.10	4.00	8.00	B

EMBOSSED CARRIER TYPE 'A'

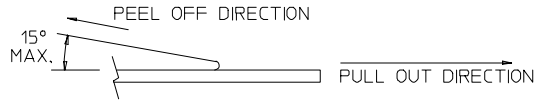


NOTES:

1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 20 - 80gf.
   (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



3. TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
4. THE TAPE IS TREATED FOR ANTI-STATIC.

REV	DESCRIPTION	DRWN	CHKD	APPR	EC NO: S2006-0462
A2	ADD NEW SHEET	KFLIM	BHLOW	PTLIM	2005/10/26 2005/10/26 2005/10/27

QUALITY SYMBOLS
▼=0
▽C=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	2004/03/03
CHECKED BY	PTLIM
DATE	2004/04/14
APPROVED BY	SCLOW
DATE	2004/04/14
TITLE	SALES, ZIGZAG, 1.25MM BTB, RECEPTACLE WITH FRICTION LOCK (LEADFREE)
	MOLEX INCORPORATED
MATERIAL NO.	SEE TABLE
DOCUMENT NO.	SD-87871-001
SHEET NO.	2 OF 2
SIZE	A3

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