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Part Number: [0781206013](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Wire-to-Board Receptacle, Dual Row, Vertical, SMT, 0.25µm (10µ") Gold (Au) Plating, without Kapton Tape, 60 Circuits, Tube,Lead free

Documents:

3D Model	Product Specification PS-87933-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Receptacles
Series	78120
Application	Wire-to-Board
Product Name	N/A

Physical

Circuits (Loaded)	60
Circuits (maximum)	60
Color - Resin	Black
Durability (mating cycles max)	100
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Tube
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	10
Plating min: Mating (µm)	0.25
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount

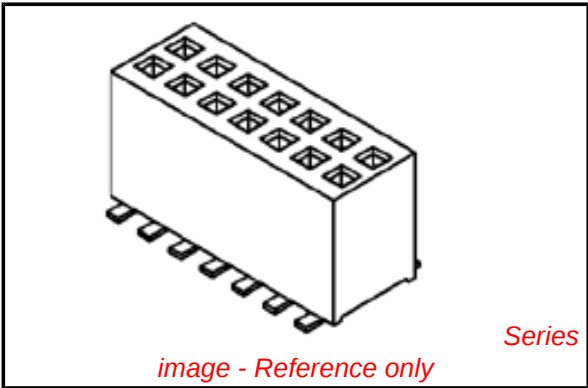
Electrical

Current - Maximum per Contact	1.75A
Voltage - Maximum	125V

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	3
Process Temperature max. C	260

Material Info



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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
[78120Series](#)

Mates With
[87932](#) , [87933](#) , [87934](#) Wire-to-Board
Headers

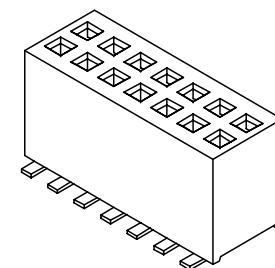
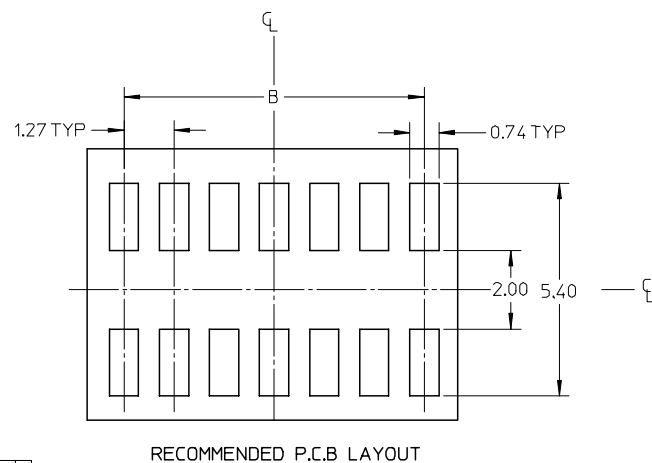
Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-87933-001
SD-78120-007

This document was generated on 03/18/2010

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7. PACKAGING SPECIFICATION REFER TO PK-89990-576

tb_frame_A3_P_AM_T
Rev. E 2006/04/15

	10	9	8	7	6	5	4	3	2	1						
F	P/N PACKED IN TUBE		CKT SIZE	KAPTON TAPE	DIMENSION							F				
					A	B										
	78120-0813		08	NO	5.19	3.81										
	78120-1013		10	NO	6.46	5.08										
	78120-2013		20	NO	12.81	11.43										
E	78120-3013		30	NO	19.16	17.78										
	78120-4013		40	NO	25.51	24.13										
	78120-5013		50	NO	31.86	30.48										
	78120-6013		60	NO	38.21	36.83										
	78120-6813		68	NO	43.29	41.91										
D	78120-7013		70	NO	44.56	43.18										
	78120-8013		80	NO	50.91	49.53										
	78120-9013		90	NO	57.26	55.88										
	78120-0013		100	NO	63.61	62.23										
C																C
B																B
A											A					
ib_frame_A3_P_AM_T Rev. E 2006/04/15		9	8	7	6	5	4	3	2	1						

ADD OPTION PART# EC NO: S2008-0097 2007/09/05 DRWN:CWLAM CHKD:KWLEE APPR:KWLEE 2007/09/19 2007/09/27	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		 =0 =0		mm	INCH	DRAWN BY CWLAM	DATE 2007/02/16	TITLE 1.27MM PITCH, DUAL ROW RECEPTACLE, SMT		
			4 PLACES	± ---	± ---	CHECKED BY KWLEE	DATE 2007/02/27			
			3 PLACES	± ---	± ---	APPROVED BY KWLEE	DATE 2007/02/27			
			2 PLACES	± 0.15	± ---	MATERIAL NO.	DOCUMENT NO.			
			1 PLACE	± ---	± ---	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		ANGULAR ± 1 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-78120-007		SHEET NO. 2 OF 2

ADD OPTION PART#
EC NO: S2008-0097
DRWN:CWLAM 2007/09/05
CHKD:KLEE 2007/09/19
APPR:KLEE 2007/09/27

REV

QUALITY SYMBOLS
▽=0
▽C=0

DESCRIPTION

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± ---	± ---
ANGULAR ± 1 °		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY
CWLAM

CHECKED BY
KLEE

APPROVED BY
KLEE

MATERIAL NO.

DATE
2007/02/16

DATE
2007/02/27

DATE
2007/02/27

DATE
2007/02/27

SIZE
A3

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SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
1.27MM PITCH, DUAL ROW RECEPTACLE, SMT

MOLEX MOLEX INCORPORATED

DOCUMENT NO.
SD-78120-007

SHEET NO.
2 OF 2