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Part Number: [0872631625](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount, Bottom Entry, 0.76µm (30µ") Gold (Au) Selective, 16 Circuits, without Pick-and-Place Cap, Tube, Leadfree

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)

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

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [87263](#)
 Application Board-to-Board
 Product Literature Order No 987650-1991
 Product Name Milli-Grid™

Physical

Circuits (Loaded) 16
 Color - Resin Black
 Durability (mating cycles max) 25
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part None
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Bottom Entry
 PCB Locator Yes
 PCB Retention None
 Packaging Type Tube
 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) 30.4
 Plating min: Mating (µm) 0.76
 Polarized to Mating Part No
 Polarized to PCB Yes
 Temperature Range - Operating -55°C to +105°C
 Termination Interface: Style Surface Mount

Electrical

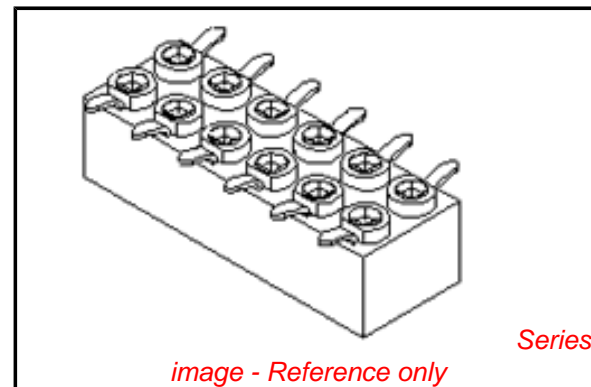
Current - Maximum per Contact 1A
 Voltage - Maximum 125V

Solder Process Data

Lead-free Process Capability Reflow Capable (SMT only)
 Process Temperature max. C 260

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

[87263Series](#)

Mates With

[87759](#) Vertical, Surface Mount, Stackable PCB Headers, [87760](#) Right Angle, Through Hole, Stackable PCB Headers, [87758](#) Vertical, Through Hole, Stackable PCB Headers

This document was generated on 04/27/2010

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PARTS TO BE PACK WITH CAP (12 CKT SHOWN)



RECOMMENDED SOLDER PAD DESIGN

PART NO. LEGEND

87263 - * * * *

- CIRCUIT SIZE
- PLATING OPTION
 - 3 - 0.38um MIN. GOLD
 - 5 - 0.76um MIN. GOLD
 - 6 - (0.13-0.38)um GOLD FLASH
- PACKAGING
 - 0 - W/CAP IN TUBE (SEE SHEET 2)
 - 2 - W/O CAP IN TUBE (SEE SHEET 2)
 - 9 - W/CAP IN TAPE & REEL (SEE SHEET 3)

CKT. SIZE	DIM. A	DIM. B
4	2.00	4.00
6	4.00	6.00
8	6.00	8.00
10	8.00	10.00
12	10.00	12.00
14	12.00	14.00
16	14.00	16.00
18	16.00	18.00
20	18.00	20.00
22	20.00	22.00
24	22.00	24.00
26	24.00	26.00
28	26.00	28.00
30	28.00	30.00
32	30.00	32.00
34	32.00	34.00
36	34.00	36.00
38	36.00	38.00
40	38.00	40.00
42	40.00	42.00
44	42.00	44.00

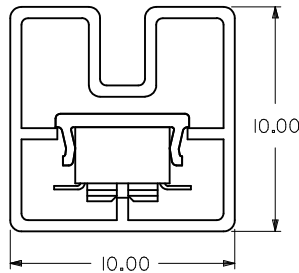
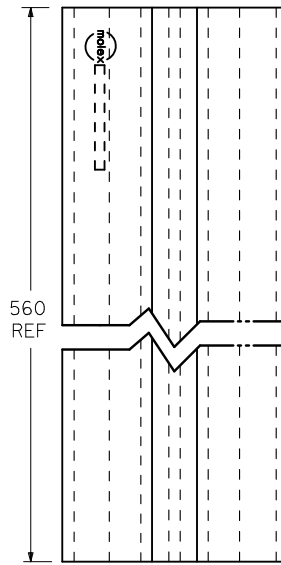
NOTES:

1. FOR ILLUSTRATION PURPOSES, DRAWING SHOWS PART WITH 12 CIRCUIT SIZE.
2. PLATING
POST-PLATING - SELECTIVE GOLD (SEE LEGEND) AT CONTACT AREA, AND 1.27um MIN. SELECTIVE TIN AT SOLDER AREA BOTH OVER 1.27um MIN. NICKEL OVERALL.
3. CO-PLANARITY OF P.C TAIL TO BE MEASURED BY RESTING THE PART ON A FLAT GAGE SURFACE.
4. PRODUCT SPECIFICATION PS-87263 APPLIES.
5. CAP : HIGH TEMPERATURE THERMOPLASTIC, UL RATED 94V-0, SUITABLE FOR SURFACE-MOUNT SOLDERING PROCESS. COLOR BLACK
6. POSITION OF CAP TO BE CENTRAL WITH RESPECT TO DIMENSION " A "
7. CONTACT FACTORY FOR DETAILS ON THIS PART NO.
8. PARTS SHALL BE PACKED IN MOISTURE BARRIER BAG.

ADD 32CKT T&R INFO EC NO: S2010-0732 DRWN:SKANG 2010/03/08 CHKD:ATSEE 2010/03/18 APPR:MLONG 2010/03/22	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			mm	INCH	DRAWN BY JDK	DATE 1991/01/11	TITLE MGRID, B/ENTRY RECEPT. 2.80MM HT. W/LOC. PEGS W/CAP, SMT		
		4 PLACES	± ---	± ---	CHECKED BY MLA1	DATE 1991/01/11			
		3 PLACES	± ---	± ---	APPROVED BY MLONG	DATE 2010/03/19			
			ANGULAR ± 3 °		MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-87263-**2*		SHEET NO. 1 OF 3	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



P/N 87263-***2*



P/N 87263-***0*

CKT. SIZE	PART NO. FOR PARTS WITHOUT CAP	△ PART NO. FOR PARTS WITH CAP
4	87263-042*	87263-040*
6	87263-062*	87263-060*
8	87263-082*	87263-080*
10	87263-102*	87263-100*
12	87263-122*	87263-120*
14	87263-142*	87263-140*
16	87263-162*	87263-160*
18	87263-182*	87263-180*
20	87263-202*	87263-200*
22	87263-222*	87263-220*
24	87263-242*	87263-240*
26	87263-262*	87263-260*
28	87263-282*	87263-280*
30	87263-302*	87263-300*
32	87263-322*	87263-320*
34	87263-342*	87263-340*
36	87263-362*	87263-360*
38	87263-382*	87263-380*
40	87263-402*	87263-400*
42	87263-422*	87263-420*
44	△ 87263-442*	87263-440*

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	▽=0		mm	INCH	NTS	METRIC	
	∠=0		DRAWN BY		DATE	TITLE	
			4 PLACES	± ---	± ---	JDK	
	3 PLACES	± ---	± ---	CHECKED BY	DATE		
	2 PLACES	± 0.20	± ---	MLA1	1991/01/11		
	1 PLACE	± ---	± ---	APPROVED BY	DATE		
		ANGULAR ± 3 °		MLONG	2010/03/19		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.	DOCUMENT NO.		SHEET NO.
J4	REV			SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		2 OF 3

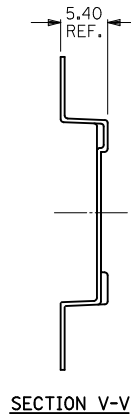
DRAWN BY		DATE	TITLE
JDK		1991/01/11	MGRID, B/ENTRY RECEPT. 2.80MM HT. W/LOC. PEGS W/CAP, SMT
CHECKED BY		DATE	
MLA1		1991/01/11	
APPROVED BY		DATE	
MLONG		2010/03/19	
MATERIAL NO.		DOCUMENT NO.	
SEE TABLE		SD-87263-***2*	
SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
A3			

DRAWN BY		DATE	TITLE
JDK		1991/01/11	MGRID, B/ENTRY RECEPT. 2.80MM HT. W/LOC. PEGS W/CAP, SMT
CHECKED BY		DATE	
MLA1		1991/01/11	
APPROVED BY		DATE	
MLONG		2010/03/19	
MATERIAL NO.		DOCUMENT NO.	
SEE TABLE		SD-87263-***2*	
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A3			

DRAWN BY		DATE	TITLE
JDK		1991/01/11	MGRID, B/ENTRY RECEPT. 2.80MM HT. W/LOC. PEGS W/CAP, SMT
CHECKED BY		DATE	
MLA1		1991/01/11	
APPROVED BY		DATE	
MLONG		2010/03/19	
MATERIAL NO.		DOCUMENT NO.	
SEE TABLE		SD-87263-***2*	
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A3			



PART NO. 87263-***9* (CKTS 04 TO 14)
SINGLE SPROCKET HOLE T/REEL - TYPE A

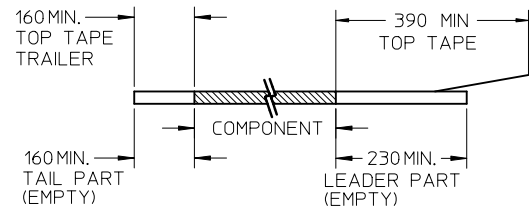


PART NO. 87263-***9* (CKTS 16 TO 40)
DOUBLE SPROCKET HOLE T/REEL - TYPE B

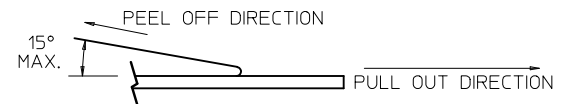
△ PART NO. FOR PARTS IN T/REEL	CKT. SIZE	F	So	W	T/REEL TYPE
87263-049*	4	11.5	-	24	A
87263-069*	6	11.5	-	24	
87263-089*	8	11.5	-	24	
87263-109*	10	11.5	-	24	
87263-129*	12	11.5	-	24	B
87263-149*	14	11.5	-	24	
87263-169*	16	11.5	-	24	
87263-189*	18	14.2	28.4	32	
87263-209*	20	20.2	40.4	44	
87263-229*	22	-	-	-	
87263-249*	24	20.2	40.4	44	
87263-269*	26	20.2	40.4	44	
87263-289*	28	20.2	40.4	44	
87263-309*	30	20.2	40.4	44	
87263-329*	32	26.2	52.4	56	
87263-349*	34	-	-	-	
87263-369*	36	26.2	52.4	56	
87263-389*	38	-	-	-	
87263-409*	40	-	-	-	

NOTES:

1. LEADER AND TRAILER TAPE



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



- 3. PACKAGING STANDARD IS AS PER EIA-481.
- 4. TAPE & REEL QUANTITY = 1000PCS/REEL.
- 5. THE TAPE IS TREATED FOR ANTI-STATIC.

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			mm	INCH	DRAWN BY	DATE	TITLE			
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		3 PLACES	± ---	± ---	CHECKED BY	DATE				
2 PLACES	± 0.20	± ---	MLA1	1991/01/11	MOLEX INCORPORATED					
1 PLACE	± ---	± ---	APPROVED BY	DATE						
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				SEE TABLE		SD-87263-***2*		3 OF 3		
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