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Part Number: [0873680824](#)
Status: **Active**
Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount, Side Entry, 0.38μm (15μ") Gold (Au) Plating, 8 Circuits, Leadfree

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Receptacles
Series [87368](#)
Application Board-to-Board
Product Literature Order No 987650-1991
Product Name Milli-Grid™

Physical

Circuits (Loaded) 8
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 Nylon
Number of Rows 2
Orientation Right Angle
PCB Locator Yes
PCB Retention Yes
Packaging Type Tube
Pitch - Mating Interface (in) 0.079 In
Pitch - Mating Interface (mm) 2.00 mm
Plating min: Mating (μin) 15.2
Plating min: Mating (μm) 0.38
Plating min: Termination (μin) 101.6
Plating min: Termination (μm) 2.54
Polarized to PCB Yes
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Surface Mount

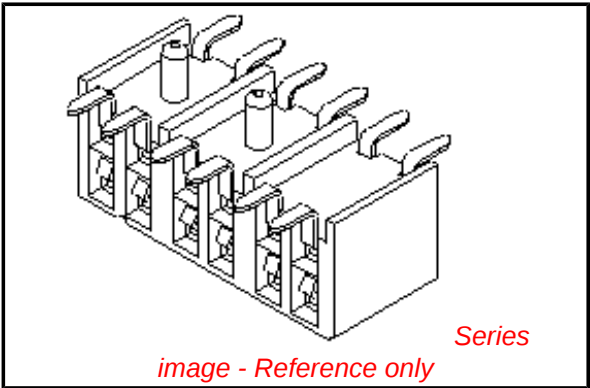
Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 14
Lead-free Process Capability Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 265

Material Info



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**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
[87368Series](#)

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

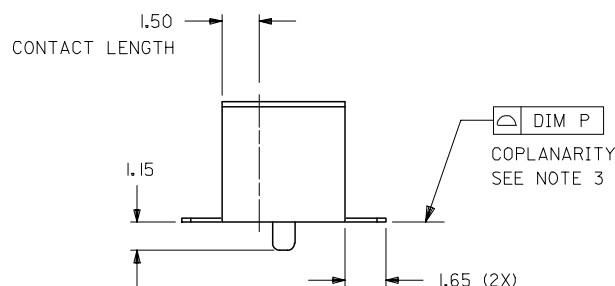
Reference - Drawing Numbers

Sales Drawing

SD-87368-**20

This document was generated on 05/04/2010

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PART NUMBER	CKT. SIZE	DIM A	DIM B	DIM F	DIM P
87368-082*	8	6.00	8.20	4.00	0.10
87368-102*	10	8.00	10.20	4.00	0.10
87368-122*	12	10.00	12.20	4.00	0.13
87368-142*	14	12.00	14.20	6.00	0.13
87368-162*	16	14.00	16.20	8.00	0.13
87368-182*	18	16.00	18.20	10.00	0.13
87368-202*	20	18.00	20.20	12.00	0.13
87368-222*	22	20.00	22.20	14.00	0.13
87368-242*	24	22.00	24.20	16.00	0.15
87368-262*	26	24.00	26.20	18.00	0.15
87368-282*	28	26.00	28.20	20.00	0.15
87368-302*	30	28.00	30.20	22.00	0.15
87368-322*	32	30.00	32.20	24.00	0.15
87368-342*	34	32.00	34.20	26.00	0.15
87368-362*	36	34.00	36.20	28.00	0.15
87368-382*	38	36.00	38.20	30.00	0.15
87368-402*	40	38.00	40.20	32.00	0.15
87368-422*	42	40.00	42.20	34.00	0.15
87368-442*	44	42.00	44.20	36.00	0.15
87368-462*	46	44.00	46.20	38.00	0.15
87368-482*	48	46.00	48.20	40.00	0.15
87368-502*	50	48.00	50.20	42.00	0.15

7) PARTS SHALL BE PACKED IN MOISTURE BARRIER BAG.

4 (SEE NOTE 2)
5



ADD NOTE 7: EC NO: S2008-0335 DWNSKANG 2007/11/27 CHKDATSEE 2007/11/30 APPR:MLONG 2007/12/03	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				mm	INCH	DRAWN BY JACK	DATE 1992/06/12	TITLE MGRID 2MM DUAL ROW SIDE ENTRY RECEPT., SMT					
			4 PLACES	± ---	± ---	CHECKED BY TAY	DATE 1992/09/24						
			3 PLACES	± ---	± ---	APPROVED BY ROY		DATE 1992/09/25	molex MOLEX INCORPORATED				
			2 PLACES	± 0.20	± ---								
			1 PLACE	± ---	± ---	MATERIAL NO.	DOCUMENT NO.	SHEET NO.					
			ANGULAR ± 3 °		SEE TABLE		SD-87368-**20		1 OF 1				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								