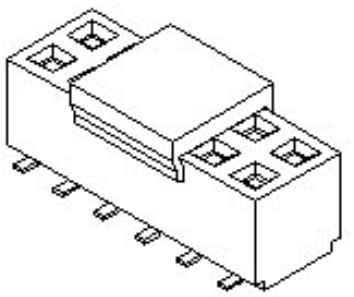
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0873812617
Status: Active
Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount, Top Entry, 0.76µm (30µ") Gold (Au) Plating, without Cap, with Locating Peg, 26 Circuits, Leadfree



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-87380-002 (PDF)
RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	87381
Application	Board-to-Board
Obsolete Date	2006/06/01
Product Literature Order No	987650-1991
Product Name	Milli-Grid™

Physical

Circuits (Loaded)	26
Circuits (maximum)	26
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
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
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
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	1.9A
Voltage - Maximum	125V

Material Info

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
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
87381Series

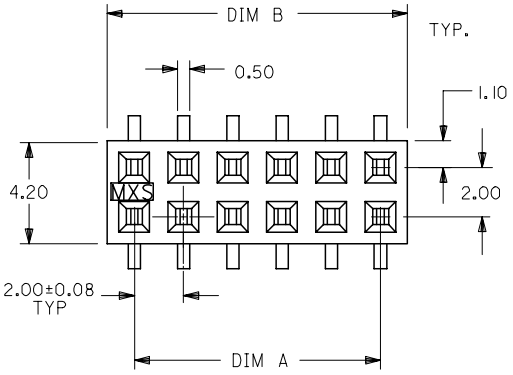
Mates With
87758 Vertical, Through Hole, Stackable PCB Header, 87759 Vertical, Surface Mount, Stackable PCB Header, 87760 Right Angle, Through Hole, Stackable PCB Header, 87831 Vertical, Through Hole PCB Header, 87832 Vertical, Surface Mount PCB

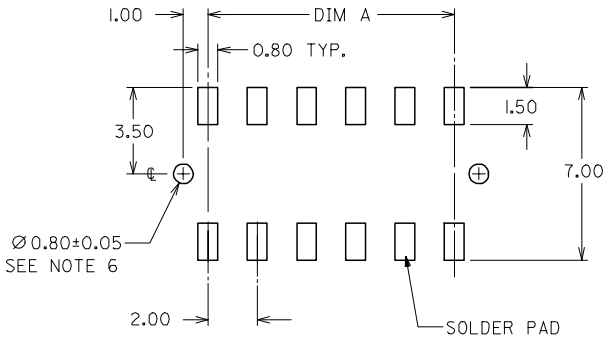
Reference - Drawing Numbers

Product Specification	PS-87380-002
Sales Drawing	SD-87381-****

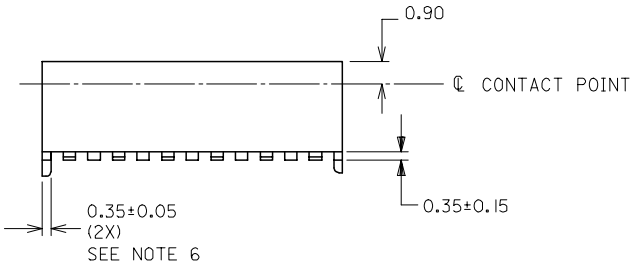
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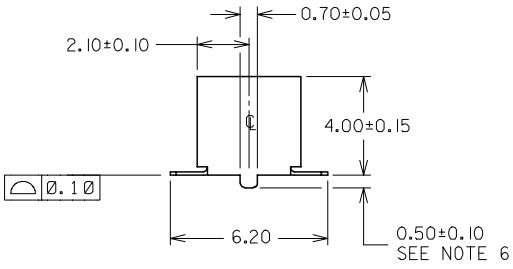
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





RECOMMENDED PCB LAYOUT



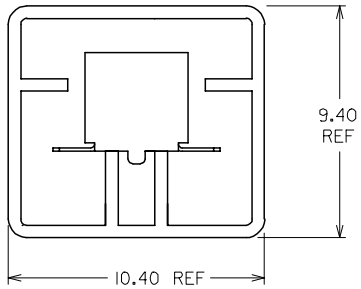


PART NUMBER	CKT. SIZE	DIM A	DIM B
87381-06**	6	4.00	6.00
87381-08**	8	6.00	8.00
87381-10**	10	8.00	10.00
87381-12**	12	10.00	12.00
87381-14**	14	12.00	14.00
87381-16**	16	14.00	16.00
87381-18**	18	16.00	18.00
87381-20**	20	18.00	20.00
87381-22**	22	20.00	22.00
87381-24**	24	22.00	24.00
87381-26**	26	24.00	26.00
87381-28**	28	26.00	28.00
87381-30**	30	28.00	30.00
87381-32**	32	30.00	32.00
87381-34**	34	32.00	34.00
87381-36**	36	34.00	36.00
87381-38**	38	36.00	38.00
87381-40**	40	38.00	40.00
87381-42**	42	40.00	42.00
87381-44**	44	42.00	44.00
87381-46**	46	44.00	46.00
87381-48**	48	46.00	48.00
87381-50**	50	48.00	50.00

PART NO. LEGEND

87381 - * * * *

- CIRCUIT SIZE
- PLATING: 7 / 8 (SEE NOTE 1)
- PEG OPTION: 0 WITHOUT PEG; 1 WITH PEG



PART IN TUBE

NOTES:

1. PLATING FINISH :
   - 7 - 0.76um MIN. GOLD IN CONTACT AREA
     1.27um MIN. TIN IN SOLDER TAIL AREA
     BOTH OVER 1.27um MIN NICKEL OVERALL
   - 8 - 0.38um MIN. GOLD IN CONTACT AREA
     1.27um MIN. TIN IN SOLDER TAIL AREA
     BOTH OVER 1.27um MIN NICKEL OVERALL
2. 12 CKT SIZE SHOWN FOR ILLUSTRATION ONLY. SEE CHART FOR ALL AVAILABLE PART SIZES
3. PRODUCT SPECIFICATION PS-87380 APPLIES
4. COPLANARITY OF SOLDER TAILS ARE TO BE MEAURED BY RESTING THE PART ON A FLAT GAUGE SURFACE
5. OTHER PLATING OPTIONS AVAILABLE. PLEASE CONTACT FACTORY
6. PEG AND PCB HOLE OPTIONAL. SEE PART LEGEND FOR PART CONFIGURATON
7. PARTS SHALL BE PACKED IN MOISTURE BARRIER BAG.

REV	DESCRIPTION	APPR:MLONG	CHKD:ATSEE	DRWN:SKANG	EC NO: S2008-0281
E1	ADD NOTE 7.	2007/11/01	2007/11/01	2007/10/31	

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	TAY	1993/01/21
CHECKED BY	SKTOH	1993/01/26
APPROVED BY	RWONG	1993/01/27

TITLE: MGRID 4MM HT., WITH LOC. PEG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87381-****
SHEET NO.: 1 OF 1
SIZE: A3

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