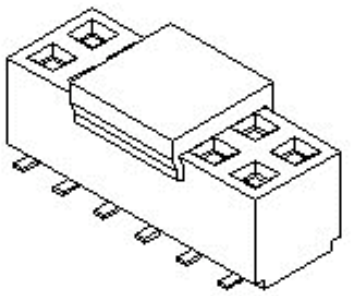
This document was generated on 04/09/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0873819030

Status: Active

Description: 2.00mm (.079") Pitch Milli-Grid™ Receptacle, Surface Mount, Top Entry, 0.76µm (30µ") Gold (Au) Plating, with Cap Version, with Locating Pegs, 10 Circuits, Tape on Reel Packaging, Lead free



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
Comments	With Cap
Product Name	Milli-Grid™

Physical

Circuits (Loaded)	10
Circuits (maximum)	10
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	Nylon
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	None
Packaging Type	Embossed Tape on Reel
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 Mating Part	No
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Stackable	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

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 , 87759, 87760, 87832 Surface Mount PCB Header, 87833 Right Angle PCB Header, 87831 Vertical, Through Hole PCB Header

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

Reference - Drawing Numbers

Product Specification	PS-87380-002
Sales Drawing	SD-87381-***3

This document was generated on 04/09/2010

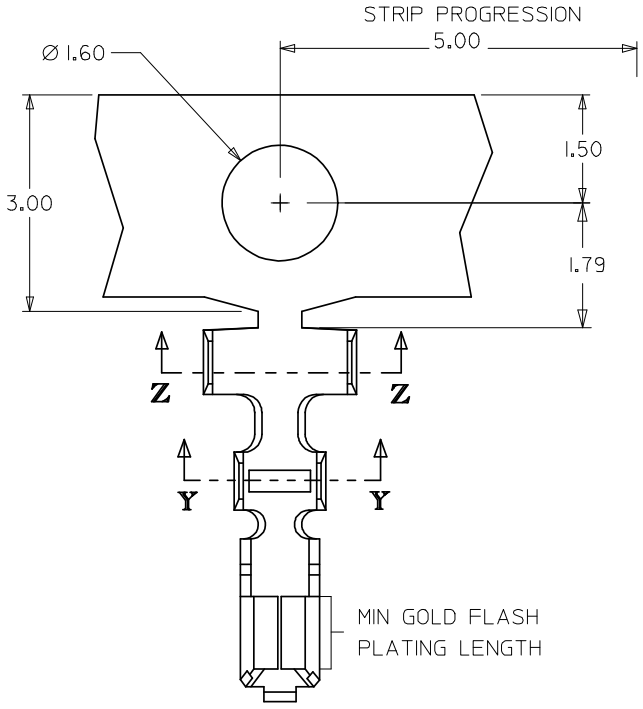
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

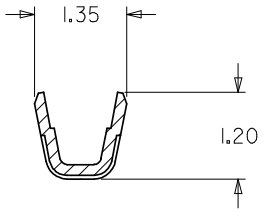
PART #	FINISH
87421-0000	2.5μM TIN
87421-0002	GOLD FLASH (SELECTIVE) OVER 1.0 μM NICKEL OVERALL

DIE PROGRESSION DIRECTION

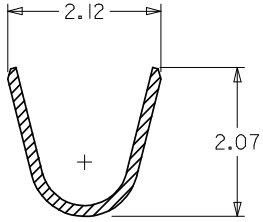
TO CRIMPING TOOL

NOTES:
1) TERMINAL TO CRIMP WITH AWG#26 WIRE (UL1061 IS RECOMMENDED).
2) TERMINAL TO USE HOUSING P/N 87439-**0*.
3) REFER CRIMP SPECIFICATION CS-87421.
4) REFER PRODUCT SPECIFICATION PS-87437.

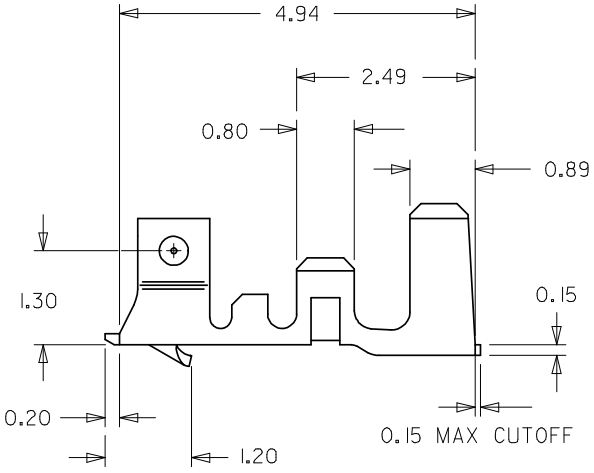


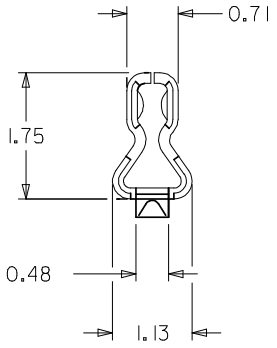


SECT. Y-Y



SECT. Z-Z





REVISED			
EC NO: J2008-3226	2008/03/24		
DRWN:LSLEE	2008/04/09		
CHKD:NUKITA	2008/04/09		
APPR:LSLEE			
DESCRIPTION			
REV			
B			

QUALITY SYMBOLS
▼=0
Ⓒ=0

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

SEE TABLE

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

NTS
MM ONLY

DRAWN BY	DATE
SKANG	2007/07/18
CHECKED BY	DATE
ATSEE	2007/07/25
APPROVED BY	DATE
MLONG	2007/07/25

MATERIAL NO.
SEE TABLE

SCALE

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
1.50MM PITCH CRIMP

molex MOLEX INCORPORATED

DOCUMENT NO.
SD-87421-0000

SHEET NO.
1 OF 1

SIZE
A2

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