

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

Documents:
[3D Model](#) [Product Specification PS-87380-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

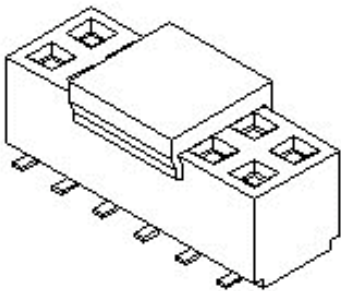
Product Family PCB Receptacles
Series [87381](#)
Application Board-to-Board
Comments With Cap
Product Name Milli-Grid™

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



Series

image - Reference only

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
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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

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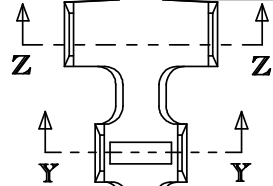
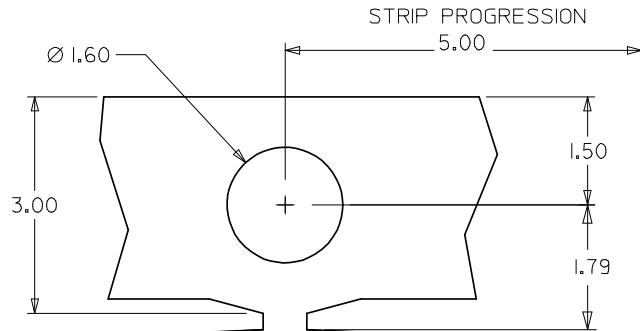
DIE PROGRESSION DIRECTION

TO CRIMPING TOOL

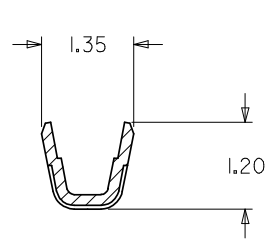
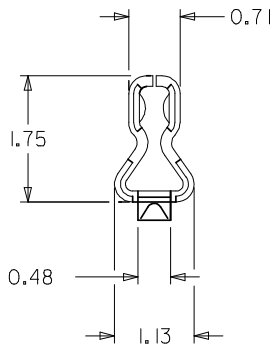
NOTES:

- 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.

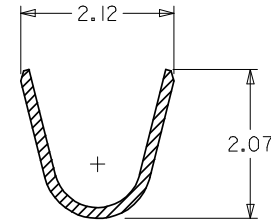
PART #	FINISH
87421-0000	2.5µM TIN
87421-0002	GOLD FLASH (SELECTIVE) OVER 1.0 µM NICKEL OVERALL



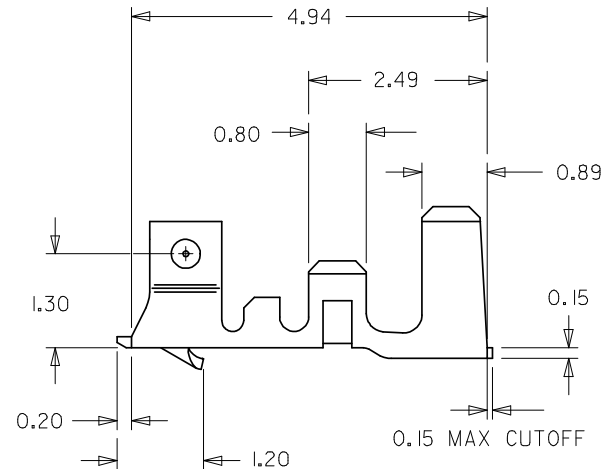
MIN GOLD FLASH
PLATING LENGTH



SECT. Y-Y



SECT. Z-Z



REVISED EC NO: J2008-3226 2008/03/24 DRWN:LSLEE 2008/04/09 CHK:OKUKITA 2008/04/09 APPR:LSLEE	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	SEE TABLE mmINCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	NTS		SCALE	DESIGN UNITS	THIRD ANGLE
				MM ONLY			METRIC	PROJECTION
				DRAWN BY DATE		TITLE		
				SKANG 2007/07/18				
				CHECKED BY DATE		1.50MM PITCH CRIMP		
				ATSEE 2007/07/25				
				APPROVED BY DATE		MOLEX INCORPORATED		
				MLONG 2007/07/25				
				MATERIAL NO.		DOCUMENT NO.		SHEET NO.
				SEE TABLE		SD-87421-0000		1 OF 1
SIZE A2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								