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Part Number: [0877593651](#)
Status: **Active**
Overview: [milligrid](#)
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, 36 Circuits, 0.38μm (30μ") Gold (Au) Selective Plating, without Press-fit Plastic Pegs, Lead-free

Documents:
[3D Model](#) [Product Specification PS-87761-100 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

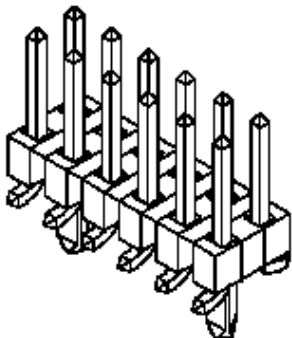
UL E29179

General

Product Family PCB Headers
Series [87759](#)
Application Board-to-Board
Overview [milligrid](#)
Product Name Milli-Grid™

Physical

Breakaway Yes
Circuits (Loaded) 36
Circuits (maximum) 36
Color - Resin Black
Durability (mating cycles max) 100
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part None
Mated Height (in) 0.150 In
Mated Height (mm) 3.80 mm
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
Polarized to Mating Part No
Polarized to PCB No
Shrouded No
Stackable Yes
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Surface Mount



Series

image - Reference only

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
[87759Series](#)

Mates With
[79107](#) Milli-Grid™ Receptacle, Vertical, Through Hole. [79108](#) Milli-Grid™ Flex-to-Board, Vertical Receptacle. Milli-Grid™ Receptacle, Surface Mount. [79109](#). [87381](#)

Electrical

Current - Maximum per Contact	2A
Voltage - Maximum	125V

Solder Process Data

Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	250

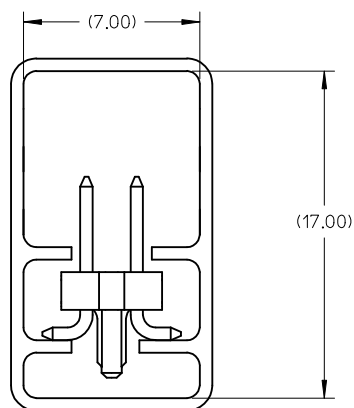
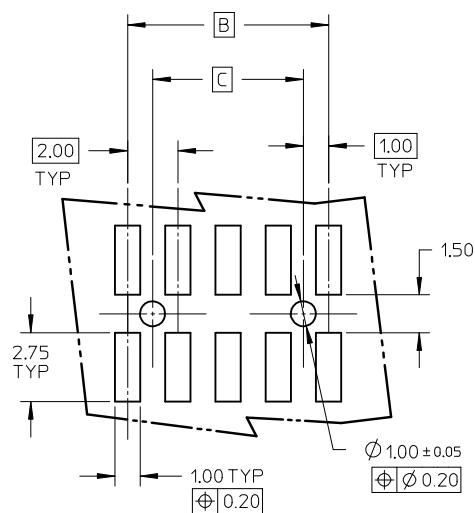
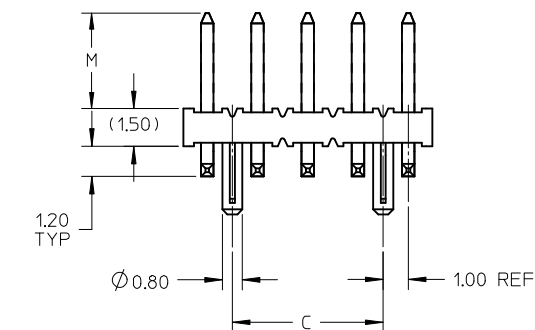
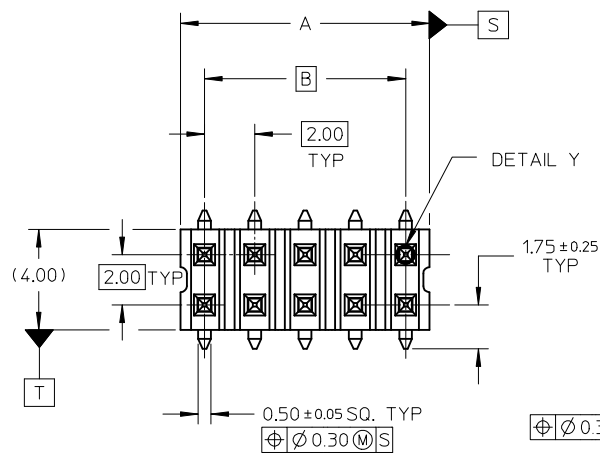
Material Info

Reference - Drawing Numbers

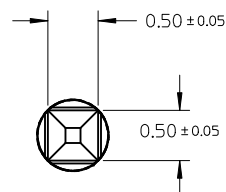
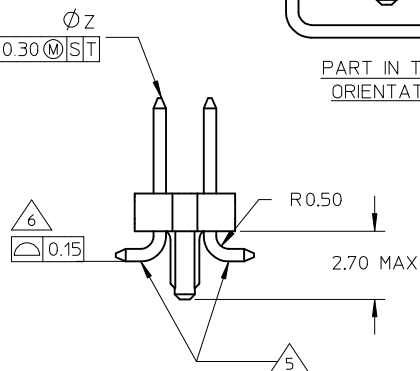
Packaging Specification	PK-89990-475
Product Specification	PS-87761-100
Sales Drawing	SD-87759-113

This document was generated on 05/25/2010

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PART IN TUBE
ORIENTATION



DETAIL Y

NOTE:

1. MATERIAL:

HSG - HIGH TEMPERATURE THERMOPLASTIC,
UL 94V-0, COLOUR BLACK

PIN - 0.50 SQ PHOSPHOR BRONZE

2. PLATING:

**50 / **52 - 0.38um MIN GOLD PLATE AT CONTACT AREA,
TIN PLATE AT SOLDER AREA,

BOTH OVER NICKEL UNDERPLATE

**51 - 0.76um MIN GOLD PLATE AT CONTACT AREA,
TIN PLATE AT SOLDER AREA,
BOTH OVER NICKEL UNDERPLATE

(** - REPRESENTS DIFFERENT CKT SIZE, SEE TABLE AT SHT 2)

3. PIN PUSHOUT FORCE: 1KG MIN IN EITHER DIRECTION

4. PRODUCT SPEC PS-87761-100 APPLIES.

5 BEND DEPRESSION IS ACCEPTABLE SO LONG AS IT DOES NOT
AFFECT THE OVERALL COPLANARITY OF TAIL.

6 COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL
ON A FLAT SURFACE.

7. FOR ILLUSTRATION PURPOSES, 10CKT IS SHOWN

8. TUBE LENGTH IS 560MM REF STANDARD.

9. RECOMMENDED PCB BOARD THK IS 1.60 ± 0.10 MM.

PDR#S-001876-00-00			QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION			
EC NO: S2009-0182					MM ONLY		NTS	METRIC				
2008/09/24 DRWN:SKANG					mm	INCH	DRAWN BY	DATE		TITLE CUSTOM HEADER MGRID, 2MM DUAL ROW HDR WITH PEG, SMT		
2008/09/24 CHKD:ATSEE					4 PLACES	± ---	± ---	KSEE				2003/12/24
2008/09/25 APPR:MLONG					3 PLACES	± ---	± ---	CHECKED BY				DATE
					2 PLACES	± 0.2	± ---	KCLING				2004/01/12
					1 PLACE	± ---	± ---	APPROVED BY		DATE	MOLEX INCORPORATED	
					ANGULAR ± 3 °		SKTOH	2004/01/12				
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.			DOCUMENT NO.		
B1					REV		SIZE A3			SEE TABLE		SD-87759-113
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												

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