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Part Number: [0877600006](#)
Status: **Active**
Overview: milligrd
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Right Angle, Through Hole, 16 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tray, Lead-free

Documents:

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

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [87760](#)
 Application Board-to-Board, Wire-to-Board
 Comments Lead-free version of 87049 series
 Overview [milligrd](#)
 Product Name Milli-Grid™

Physical

Breakaway No
 Circuits (Loaded) 16
 Circuits (maximum) 16
 Color - Resin Black
 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) 0.197 In
 Mated Height (mm) 5.00 mm
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin High Temperature Thermoplastic
 Number of Rows 2
 Orientation Right Angle
 PC Tail Length (in) 0.118 In
 PC Tail Length (mm) 3.00 mm
 PCB Locator No
 PCB Retention None
 PCB Thickness Recommended (in) 0.062 In
 PCB Thickness Recommended (mm) 1.60 mm
 Packaging Type Tray
 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) 15
 Plating min: Mating (µm) 0.38
 Polarized to Mating Part No
 Polarized to PCB No
 Shrouded No



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

[87760Series](#)

Mates With

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

Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole

Electrical

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

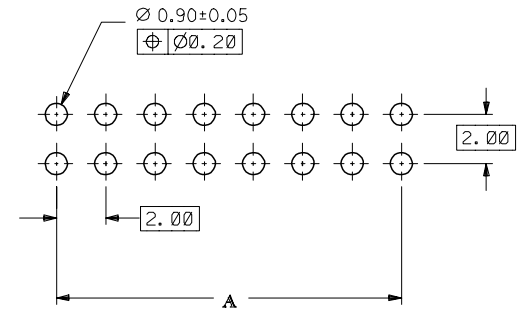
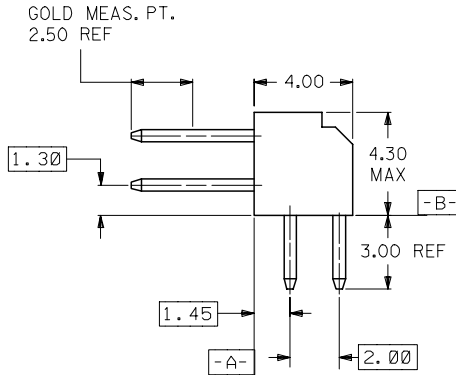
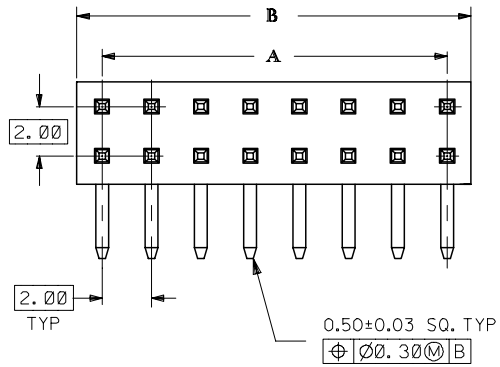
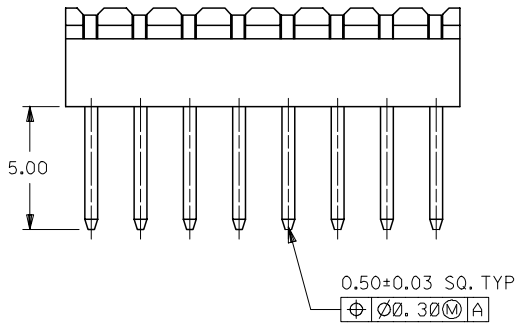
Material Info**Reference - Drawing Numbers**

Sales Drawing	SD-87760-012
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This document was generated on 05/26/2010

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PLATING Δ	PART NUMBER IN TRAY	CKT SIZE	DIMENSION	
TIN/LEAD	87760-0002	16	A	B
TIN	87760-0006	16	14.00	16.00
			14.00	16.00



RECOMMENDED P.C. PATTERN

NOTES:

Δ PLATING:
0.38um / 15u" MIN. GOLD IN CONTACT AREA
TIN/LEAD OR TIN IN SOLDER TAIL AREA
BOTH OVER NICKEL OVERALL

2) MATERIAL:
HOUSING : HIGH TEMPERATURE THERMOPLASTIC,
94V-0, COLOR - BLACK
PIN : 0.5mm SQ. BRASS

3) PRODUCT SPECIFICATION PS-87761-100 APPLIES.

4) RECOMMENDED PC BOARD THICKNESS IS 1.60 ± 0.13mm.

5) PART PACKED IN TRAY.

EC NO: S2005-0307 2004/10/18 DRAWN: BOKOK CHKD: PTLIM 2004/10/19 APPR: SLOW 2004/10/19	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.2 ± ---	1 PLACE ± --- ± ---	ANGULAR ± 3 °	DRAWN BY KSEE
REV	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY SKTOH	DATE 2002/12/04	MOLEX INCORPORATED	
		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DOCUMENT NO. SD-87760-012	SHEET NO. 1 OF 1