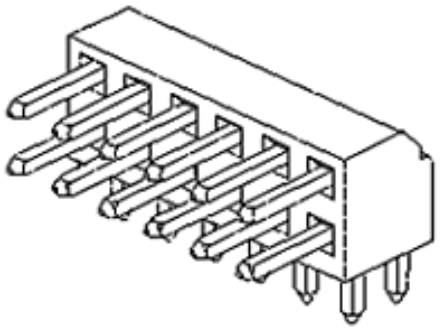
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0877602638
Status: Active
Overview: milligrid
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Right Angle, Through Hole, 26 Circuits, 2.54µm (100µ") Tin (Sn) Plating, Mating Pin Length: 3.06mm (.120"), Tray, Lead-free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-87761-100 (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	milligrid
Product Name	Milli-Grid™

Physical

Breakaway	No
Circuits (Loaded)	26
Circuits (maximum)	26
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
Material - Plating Mating	Tin
Material - Plating Termination	Nickel
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.102 In
PC Tail Length (mm)	2.60 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)	100
Plating min: Mating (µm)	2.54
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No

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
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

Solder Process Data

Duration at Max. Process Temperature (seconds)	14
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	265

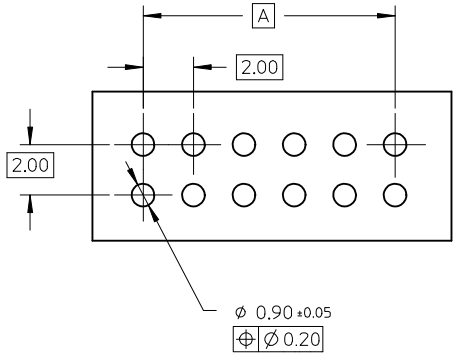
Material Info

Reference - Drawing Numbers

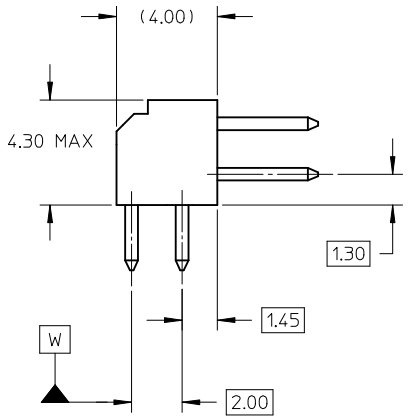
Product Specification	PS-87761-100
Sales Drawing	SD-87760-109

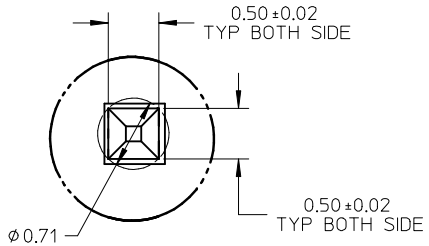
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

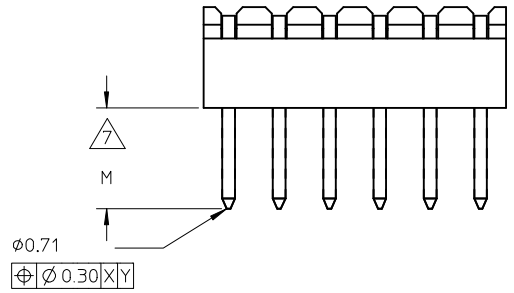


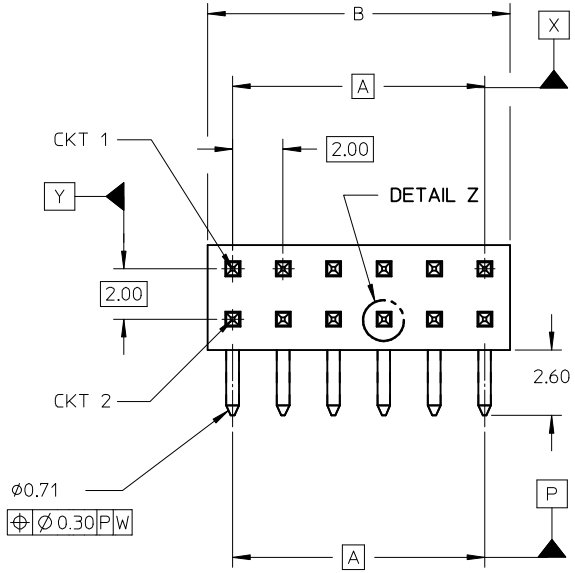
RECOMMENDED PCB LAYOUT





DETAIL Z





NOTES:

1. MATERIAL:
   HSG: PCT, 30% GLASS FILLED,UL 94V-0,
   COLOUR BLACK.
   PIN: 0.50MM SQ PHOSPHOR BRONZE 510
2. PLATING:
   ***6 - 0.38um MIN GOLD IN CONTACT AREA,
   1.90um MIN TIN IN SOLDERTAIL AREA, BOTH OVER
   1.27um MIN NICKEL OVERALL

   ***7 - 0.76um MIN GOLD IN CONTACT AREA,
   1.90um MIN TIN IN SOLDERTAIL AREA, BOTH OVER
   1.27um MIN NICKEL OVERALL

   ***8 - 2.54um MIN TIN OVER
   1.27um MIN NICKEL OVERALL

3. 12 CKT USED FOR ILLUSTRATION ONLY
4. PART TO BE PACKED IN POCKET TRAY/TUBE (SEE TABLE).
5. PRODUCT SPEC PS-87761-100 APPLIES.
6. RECOMMENDED PCB BOARD THK 1.60±0.10 MM.
7. MATING LENGTH: 1 - 4.00MM
   2 - 3.50MM
   3 - 3.06MM
   4 - 5.75MM

LEGEND:

87760 - * * * *
(SEE SHT 3)
PLATING OPTION (SEE NOTE 2)
MATING OPTION

0047-DW-SIRIUS	DRWN:SKANG	2009/10/21
EC NO: S2010-0177	CH'KD:ATSEE	2009/10/22
A11	APPR:MLONG	2009/10/23

DESCRIPTION / REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

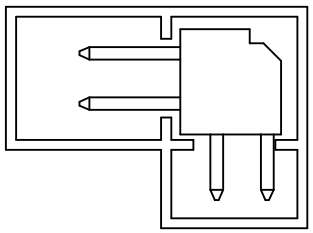
GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	NTS
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	KSEE
DATE	2003/10/15
CHECKED BY	KCLING
DATE	2003/12/02
APPROVED BY	SKTOH
DATE	2003/12/11
MATERIAL NO.	SEE TABLE
TITLE	MGRID, 2MM DUAL ROW HDR. R/A
	MOLEX INCORPORATED
DOCUMENT NO.	SD-87760-109
SHEET NO.	1 OF 2
SIZE	A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

PART NUMBER	VOID PIN LOCATION	CKT SIZE	A	B	M	PACKAGING TYPE
87760-04**	-	04	2.00	4.00	REFER TO NOTE 7.	TRAY
87760-06**	-	06	4.00	6.00		
87760-08**	-	08	6.00	8.00		
87760-10**	-	10	8.00	10.00		
87760-12**	-	12	10.00	12.00		
87760-14**	-	14	12.00	14.00		
87760-16**	-	16	14.00	16.00		
87760-18**	-	18	16.00	18.00		
87760-20**	-	20	18.00	20.00		
87760-22**	-	22	20.00	22.00		
87760-24**	-	24	22.00	24.00		
87760-26**	-	26	24.00	26.00		
87760-28**	-	28	26.00	28.00		
87760-30**	-	30	28.00	30.00		
87760-32**	-	32	30.00	32.00		
87760-34**	-	34	32.00	34.00		
87760-36**	-	36	34.00	36.00		
87760-38**	-	38	36.00	38.00		
87760-40**	-	40	38.00	40.00		
87760-42**	-	42	40.00	42.00		
87760-44**	-	44	42.00	44.00		
87760-46**	-	46	44.00	46.00		
87760-48**	-	48	46.00	48.00		
87760-50**	-	50	48.00	50.00		
87760-5116	5, 6 & 26	50	48.00	50.00		
87760-5248	-	28	26.00	28.00		TUBE



PART IN TUBE

0047-DW-SIRIUS
EC NO: S2010-0177
DRWN:SKANG 2009/10/21
CH'KD:ATSEE 2009/10/22
APPR:MLONG 2009/10/23
DESCRIPTION
REV
A11

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.2	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: KSEE DATE: 2003/10/15
CHECKED BY: KCLING DATE: 2003/12/02
APPROVED BY: SKTOH DATE: 2003/12/11

TITLE: MGRID, 2MM DUAL ROW HDR. R/A

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87760-109
SHEET NO.: 2 OF 2
SIZE: A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION