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Part Number: [0877580617](#)
Status: **Active**
Overview: [milligrid](#)
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Through Hole, Vertical, 6 Circuits, 0.76µm (30µ") Gold (Au) Selective Plating, Pocket Tray Packaging, Lead-free

Documents:

3D Model	Product Specification PS-87761-100 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179
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General

Product Family	PCB Headers
Series	87758
Application	Board-to-Board
Overview	milligrid
Product Name	Milli-Grid™

Physical

Breakaway	Yes
Circuits (Loaded)	6
Circuits (maximum)	6
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)	0.157 In
Mated Height (mm)	4.00 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	2
Orientation	Vertical
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)	30
Plating min: Mating (µm)	0.76
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No

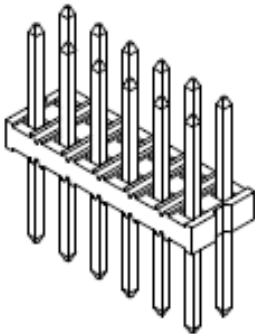


image - Reference only

Series

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Contains SVHC: No**
**Halogen-Free
Status**

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.

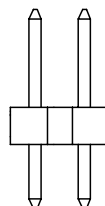
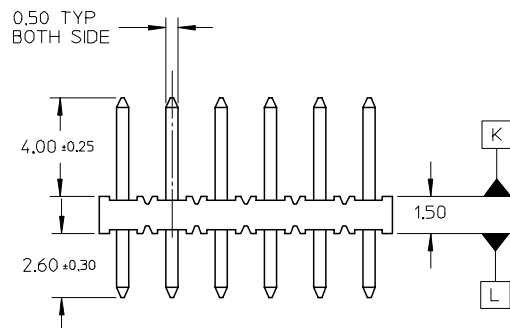
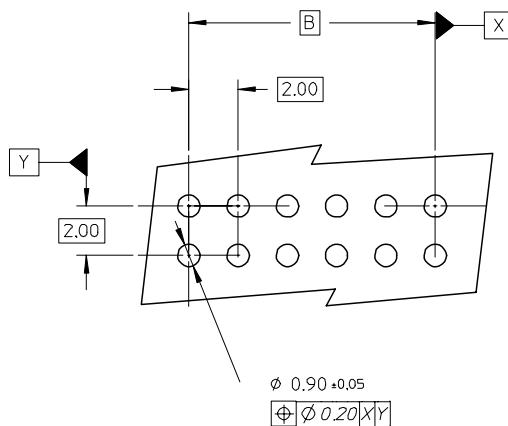
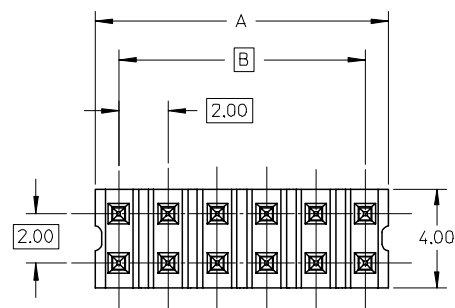
Search Parts in this Series
[87758Series](#)

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	No
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)	3
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	250
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-87761-100
Sales Drawing	SD-87758-107

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LEGEND
87758- ** ** *

CKT SIZE (SEE SHT 2 TABLE) PLATING (SEE NOTE 2)

NOTES:

1. MATERIAL:

HOUSING: 30% G.F. NYLON 46, 94V-0, COLOR: BLACK
PIN: 0.50mm SQ. PHOSPHOR BRONZE 510

2. PLATING:

**16 - 0.38um MIN GOLD IN CONTACT AREA.
TIN IN SOLDER AREA, BOTH OVER
NICKEL OVERALL.
**17 - 0.76um MIN GOLD IN CONTACT AREA.
TIN IN SOLDER AREA, BOTH OVER
NICKEL OVERALL.
**18 - 2.54um MIN TIN OVER
NICKEL OVERALL.

3. 12 CKT USED FOR ILLUSTRATION ONLY

4. PACKED IN POCKET TRAY

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

6. CKT 4 AND 6 IS CUT FROM CKT 8 AND 12 RESPECTIVELY.
CKT 2 ARE CUT FROM ANY LARGER CKT SIZE. ROUGH EDGES
ARE EXPECTED ALONG THE CUTTING EDGES.

7. PRODUCT SPEC PS-87761-100 APPLIES.

8. RECOMMENDED PCB THICKNESS IS 1.60 ± 0.10

Ø 0.71 ± 0.07
Ø 0.30 M K



VIEW P

Ø 0.71 ± 0.07
Ø 0.30 M L



VIEW Q

EC NO: S2005-0715 DRWN:KCH0 CHKD:PTLM APPR:SCLOW 2005/05/16 2005/05/18 2005/05/19	DESCRIPTION REV A2	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY KSEE	DATE 2003/10/30	TITLE SALES DRAWING 2MM DUAL ROW SINGLE WAFER, VERTICAL T/H HDR				
						CHECKED BY KCL ING	DATE 2004/01/05					
						APPROVED BY SKTOH	DATE 2004/01/05	molex MOLEX INCORPORATED				
			ANGULAR ± 3 °		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87758-107		SHEET NO. 1 OF 2			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

