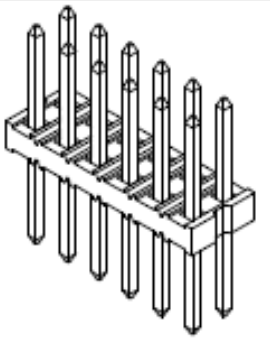
This document was generated on 05/25/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0877581050
Status: Active
Overview: milligrid
Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Through Hole, Vertical, 10 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tray Packaging, Lead-free



Series image - Reference only

Documents:

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

Agency Certification

UL	E29179

General

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

Physical

Breakaway	Yes
Circuits (Loaded)	10
Circuits (maximum)	10
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)	0.217 In
Mated Height (mm)	5.50 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)	15
Plating min: Mating (µm)	0.38
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
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

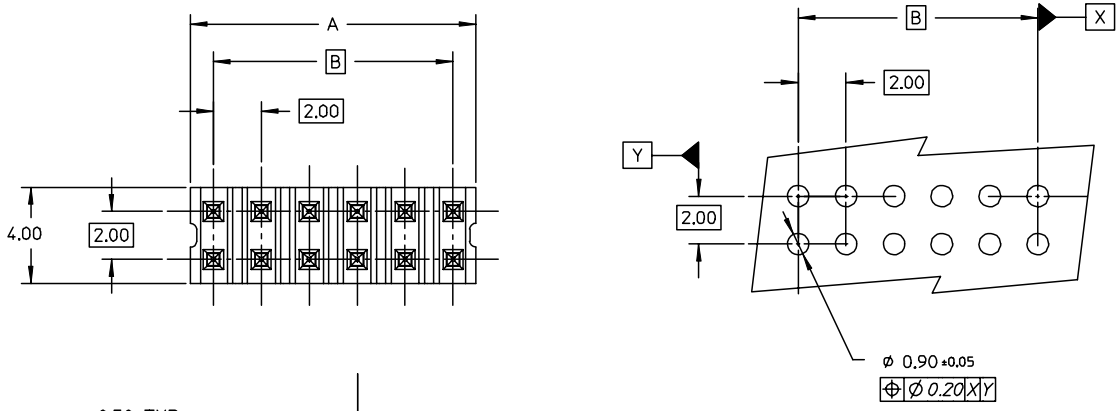
Solder Process Data

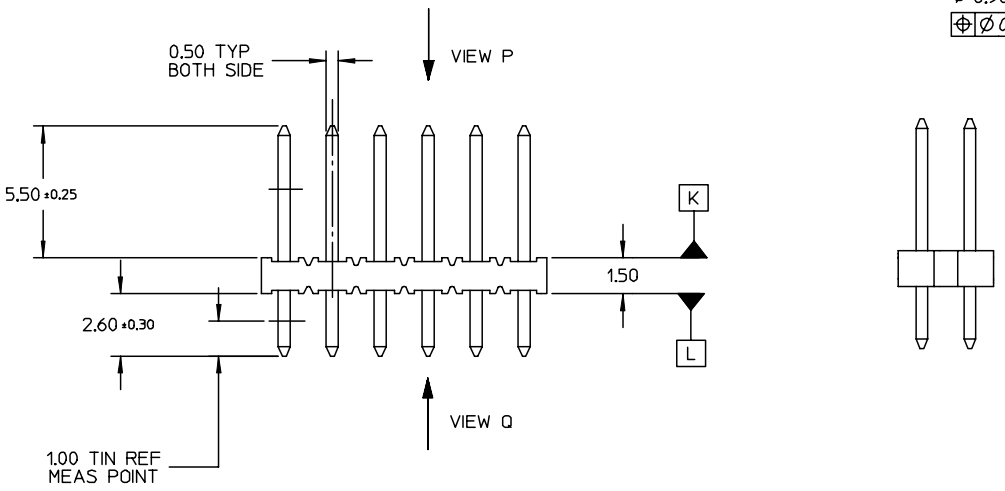
Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	250

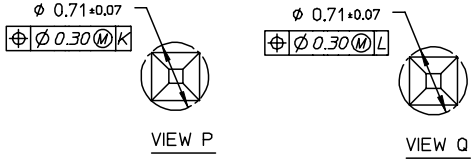
Material Info

Reference - Drawing Numbers

Product Specification	PS-87761-100
Sales Drawing	SD-87758-112







LEGEND

87758- * * 5 0

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:
   **50 - 0.38um MIN GOLD IN CONTACT AREA,
   TIN IN SOLDER AREA, BOTH 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.

EC NO: S2004-0215 2004/01/20
DRWN:KSEE 2004/01/20
CH'KD:KCLING 2004/01/20
APPR: SKTOH 2004/01/20
DESCRIPTION
REV A

QUALITY SYMBOLS
▼ = 0
▽C = 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

SCALE	NTS
DESIGN UNITS	METRIC
DIMENSION STYLE	MM ONLY
DRAWN BY	KSEE
DATE	2003/10/30
CHECKED BY	KCLING
DATE	2004/01/05
APPROVED BY	SKTOH
DATE	2004/01/05

THIRD ANGLE PROJECTION

REVISE ON CAD ONLY

TITLE: 2MM DUAL ROW SINGLE WAFER, VERTICAL THROUGH HOLE HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE

DOCUMENT NO.: SD-87758-112

SHEET NO.: 1 OF 2

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

B

PART NUMBER	CKT SIZE	A	B
87758-0450 △6	4	NA	2.00
87758-0650 △6	6	NA	4.00
87758-0850	8	7.90	6.00
87758-1050	10	9.90	8.00
87758-1250	12	11.90	10.00
87758-1450	14	13.90	12.00
87758-1650	16	15.90	14.00
87758-1850	18	17.90	16.00
87758-2050	20	19.90	18.00
87758-2250	22	21.90	20.00
87758-2450	24	23.90	22.00
87758-2650	26	25.90	24.00
87758-2850	28	27.90	26.00
87758-3050	30	29.90	28.00
87758-3250	32	31.90	30.00
87758-3450	34	33.90	32.00
87758-3650	36	35.90	34.00
87758-3850	38	37.90	36.00
87758-4050	40	39.90	38.00
87758-4250	42	41.90	40.00
87758-4450	44	43.90	42.00
87758-4650	46	45.90	44.00
87758-4850	48	47.90	46.00
87758-5050	50	49.90	48.00

EC NO: S2004-0215 2004/01/20
DRWN:KSEE 2004/01/20
CH'KD:KCLING 2004/01/20
APPR: SKTOH
DESCRIPTION

REV
A

QUALITY SYMBOLS
▼ = 0
▽C = 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

SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
REVISE ON CAD ONLY
DIMENSION STYLE: MM ONLY
DRAWN BY: KSEE DATE: 2003/10/30
CHECKED BY: KCLING DATE: 2004/01/05
APPROVED BY: SKTOH DATE: 2004/01/05

TITLE
2MM DUAL ROW
SINGLE WAFER, VERTICAL
THROUGH HOLE HEADER

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-87758-112
SHEET NO.: 2 OF 2

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