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Part Number:

0877582250

Status:

Active

Overview:

milligrid

Description:

2.00mm (.079") Pitch Milli-Grid™ Header, Through Hole, Vertical, 22 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tray Packaging, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87761-100 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Overview

Product Name

PCB Headers

87758

Board-to-Board

milligrid

Milli-Grid™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Mated Height (in)

Mated Height (mm)

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Yes

22

22

Black

100

No

94V-0

No

No

None

None

0.217 In

5.50 mm

Phosphor Bronze

Gold

Tin

Nylon

2

Vertical

0.102 In

2.60 mm

No

None

0.062 In

1.60 mm

Tray

0.079 In

2.00 mm

0.079 In

2.00 mm

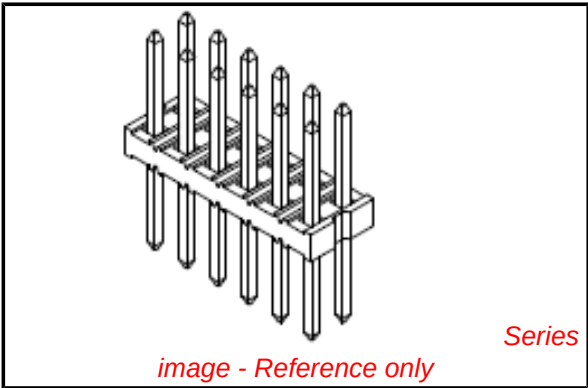
15

0.38

No

No

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

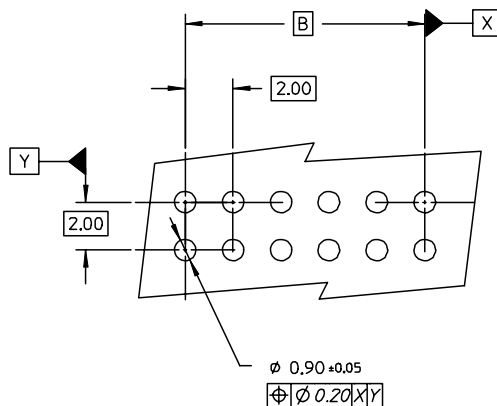
Material Info

Reference - Drawing Numbers

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

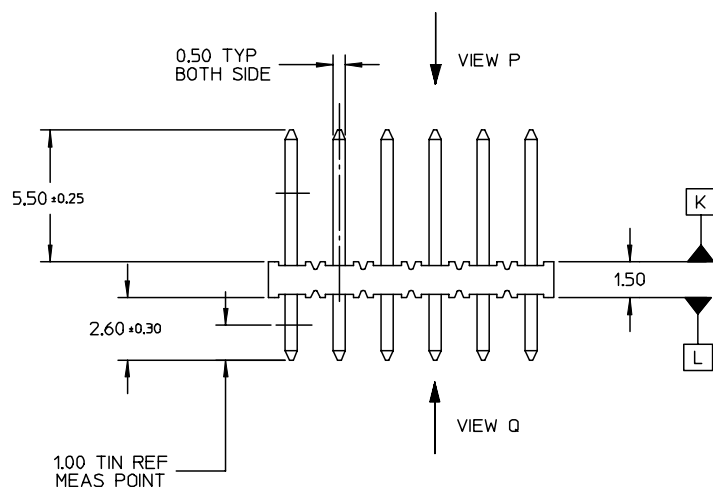
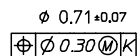
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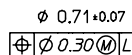


NOTES:

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.



VIEW P



VIEW Q

EC NO: S2004-0215 DRAWN:KSEE 2004/01/20 CHK'D:KCLING 2004/01/20 APPR:SKTOH 2004/01/20 A	QUALITY SYMBOLS <div>▽-0</div> <div>▽C-0</div>	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY		
				mm	INCH	DIMENSION STYLE MM ONLY		TITLE 2MM DUAL ROW SINGLE WAFER, VERTICAL THROUGH HOLE HEADER		
			4 PLACES	± ---	± ---	DRAWN BY	DATE			
			3 PLACES	± ---	± ---	KSEE	2003/10/30			
			2 PLACES	± 0.2	± ---	CHECKED BY	DATE	 MOLEX INCORPORATED		
1 PLACE	± ---	± ---	KCLING	2004/01/05						
			ANGULAR ± 3 °		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
			DRAFT WHERE APPLICABLE		SKTOH	2004/01/05	SEE TABLE	SD-87758-112	1 OF 2	
			MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					B

	10	9		8		7		6		5		4		3		2		87758		
F	PART NUMBER	CKT SIZE	A	B																F
	87758-0450 	4	NA	2.00																
	87758-0650 	6	NA	4.00																
E	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																
D	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																
C	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																
B	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																
A	87758-4850	48	47.90	46.00																
	87758-5050	50	49.90	48.00																