

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0877590876

Status:

Active

Overview:

milligrid

Description:

2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, 8 Circuits, 0.38μm (15μ") Gold (Au) Selective Plating, with Press-fit Plastic Pegs, Pick-and-Place Cap, Tube 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

87759

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

PCB Locator

PCB Retention

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

Robotic Placement

Shrouded

Stackable

Temperature Range - Operating

Yes

8

8

Black

100

No

94V-0

No

No

None

None

0.150 In

3.80 mm

Phosphor Bronze

Gold

Tin

Nylon

2

Vertical

Yes

None

Tube

0.079 In

2.00 mm

0.079 In

2.00 mm

15

0.38

No

No

Pick and Place Cap

No

Yes

-55°C to +105°C

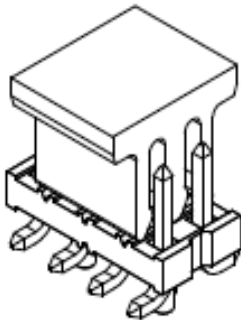


image - Reference only

Series

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.

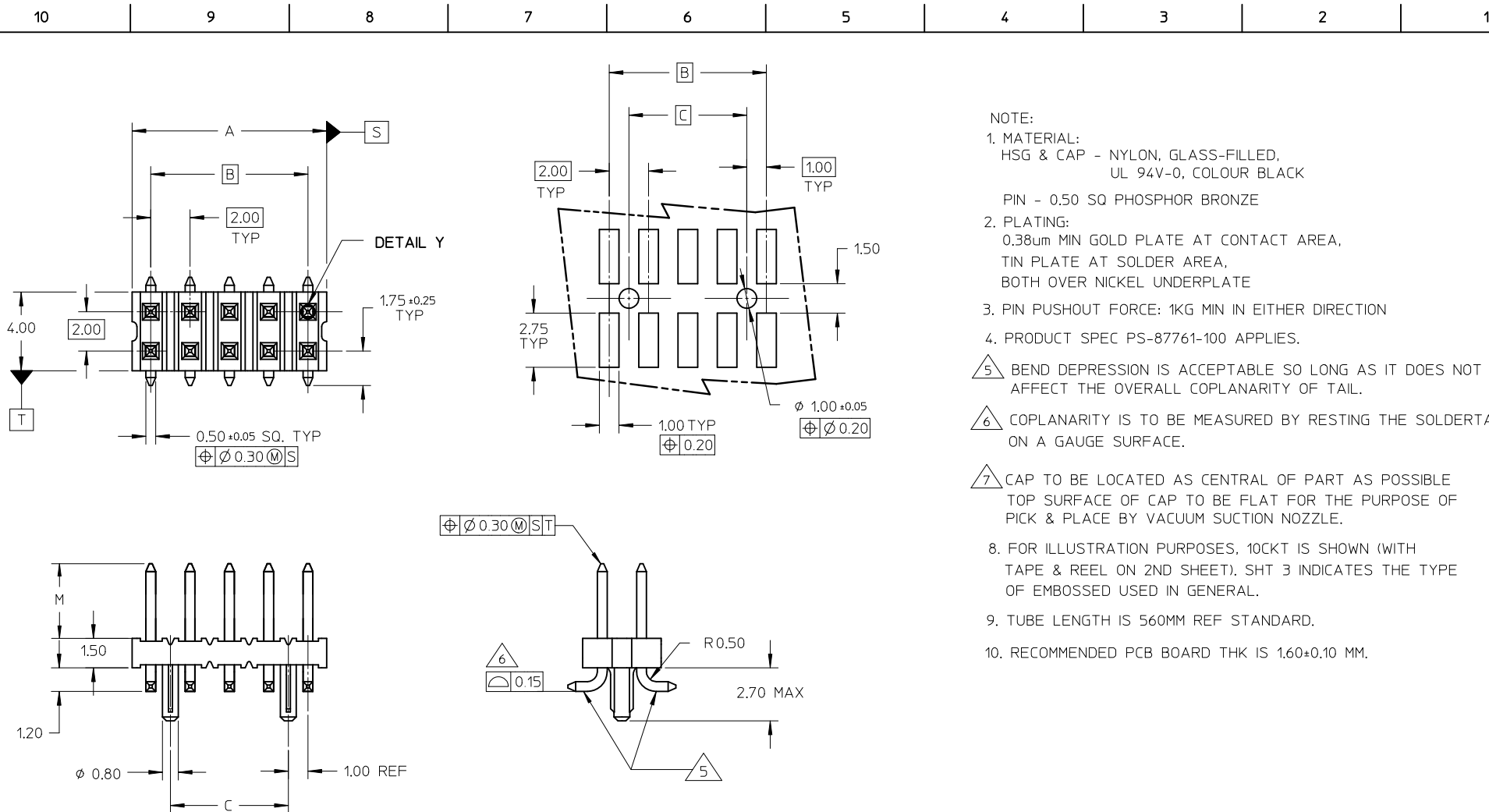
Search Parts in this Series
87759Series

Mates With
79107 Milli-Grid™ Receptacle, Vertical, Through Hole. 79108 Milli-Grid™ Flex-to-Board, Vertical Receptacle. Milli-Grid™ Receptacle, Surface Mount. 79109. 87381

Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	2A
Voltage - Maximum	125V
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-89990-476
Product Specification	PS-87761-100
Sales Drawing	SD-87759-208

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NOTE:

1. MATERIAL:
HSG & CAP - NYLON, GLASS-FILLED,
UL 94V-0, COLOUR BLACK

PIN - 0.50 SQ PHOSPHOR BRONZE

2. PLATING:
0.38um MIN GOLD PLATE AT CONTACT AREA,
TIN PLATE AT SOLDER AREA,
BOTH OVER NICKEL UNDERPLATE

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

4. PRODUCT SPEC PS-87761-100 APPLIES.

5. BEND DEPRESSION IS ACCEPTABLE SO LONG AS IT DOES NOT AFFECT THE OVERALL COPLANARITY OF TAIL.

6. COPLANARITY IS TO BE MEASURED BY RESTING THE SOLDER TAIL ON A GAUGE SURFACE.

7. CAP TO BE LOCATED AS CENTRAL OF PART AS POSSIBLE
TOP SURFACE OF CAP TO BE FLAT FOR THE PURPOSE OF
PICK & PLACE BY VACUUM SUCTION NOZZLE.

8. FOR ILLUSTRATION PURPOSES, 10CKT IS SHOWN (WITH
TAPE & REEL ON 2ND SHEET). SHT 3 INDICATES THE TYPE
OF EMBOSSED USED IN GENERAL.

9. TUBE LENGTH IS 560MM REF STANDARD.

10. RECOMMENDED PCB BOARD THK IS 1.60±0.10 MM.

DETAIL Y

CHG DIM M. EWR#1191 EC NO: S2010-0237 2009/12/16 DRWN:ATSEE 2009/12/17 CHKD:SKANG 2009/12/21 APPR:MLONG	DESCRIPTION	QUALITY SYMBOLS F_A=0 F_G=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY KSEE	DATE 2003/12/22	CUSTOM HEADER MGRID, 2MM DUAL ROW HDR WITH PEG, SMT				
			4 PLACES	±---	±---	CHECKED BY	DATE					
			3 PLACES	±---	±---	KCLING	2004/01/12					
			2 PLACES	±0.2	±---	APPROVED BY	DATE	MOLEX INCORPORATED				
			1 PLACE	±---	±---	MLONG	2009/12/17					
			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87759-208		1 OF 4			
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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	10	9	8		7		6		5		4	3	2	1		
F	PART NUMBER WITH CAP IN TUBE	PART NUMBER WITH CAP IN TAPE & REEL	CKT SIZE	A	B	C	M	N	F	So	W	EMBOSSSED TYPE	CAP TYPE			F
	87759-0876	87759-7626	08	7.90	6.00	4.00	3.80	8.05	11.50	-	24.00	A	C1			
	87759-5276	87759-7648	08	7.90	6.00	4.00	8.80	13.00	11.50	-	24.00	A	C2			
	87759-1076	87759-7627	10	9.90	8.00	6.00	3.80	8.05	11.50	-	24.00	A	C1			
	87759-1276	87759-7628	12	11.90	10.00	8.00	3.80	8.05	11.50	-	24.00	A				
	87759-1476	87759-7629	14	13.90	12.00	10.00	3.80	8.05	11.50	-	24.00	A				
E	87759-1676	87759-7630	16	15.90	14.00	12.00	3.80	8.05	14.20	28.40	32.00	B				E
	87759-1876	87759-7631	18	17.90	16.00	14.00	3.80	8.05	14.20	28.40	32.00	B				
	87759-2076	87759-7632	20	19.90	18.00	16.00	3.80	8.05	20.20	40.40	44.00	B				
	87759-2276	87759-7633	22	21.90	20.00	18.00	3.80	8.05	20.20	40.40	44.00	B				
	87759-2476	87759-7634	24	23.90	22.00	20.00	3.80	8.05	20.20	40.40	44.00	B				
	87759-2676	87759-7635	26	25.90	24.00	22.00	3.80	8.05	20.20	40.40	44.00	B				
D	87759-2876	87759-7636	28	27.90	26.00	24.00	3.80	8.05	20.20	40.40	44.00	B				D
	87759-3076	87759-7637	30	29.90	28.00	26.00	3.80	8.05	20.20	40.40	44.00	B				
	87759-3276	87759-7638	32	31.90	30.00	28.00	3.80	8.05	26.20	52.40	56.00	B				
	87759-3476	87759-7639	34	33.90	32.00	30.00	3.80	8.05	26.20	52.40	56.00	B				
	87759-3676	87759-7640	36	35.90	34.00	32.00	3.80	8.05	26.20	52.40	56.00	B				
	87759-3876	87759-7641	38	37.90	36.00	34.00	3.80	8.05	26.20	52.40	56.00	B				
C	87759-4076	87759-7642	40	39.90	38.00	36.00	3.80	8.05	26.20	52.40	56.00	B				C
	87759-4276	87759-7643	42	41.90	40.00	38.00	3.80	8.05	26.20	52.40	56.00	B				
	87759-4476	87759-7644	44	43.90	42.00	40.00	3.80	8.05	26.20	52.40	56.00	B				
	87759-4676	87759-7645	46	45.90	44.00	42.00	3.80	8.05	34.20	68.40	72.00	B				
	87759-4876	87759-7646	48	47.90	46.00	44.00	3.80	8.05	34.20	68.40	72.00	B				
B	87759-5076	87759-7647	50	49.90	48.00	46.00	3.80	8.05	34.20	68.40	72.00	B	B			
A															A	