

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0877581216

Status:

Active

Overview:

milligrid

Description:

2.00mm (.079") Pitch Milli-Grid™ Header, Through Hole, Vertical, 12 Circuits, 0.38μm (15μ") Gold (Au) Selective Plating, Pocket 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

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

Stackable

Yes

12

12

Black

No

94V-0

No

No

None

None

0.157 In

4.00 mm

Phosphor Bronze

Gold

Tin

Nylon

2

Vertical

0.102 In

2.60 mm

No

None

0.063 In

1.60 mm

Tray

0.079 In

2.00 mm

0.079 In

2.00 mm

15

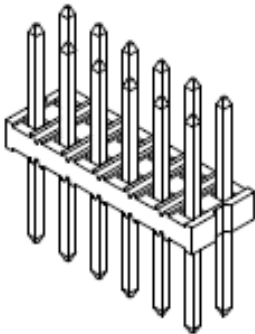
0.38

No

No

No

No



Series

image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

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

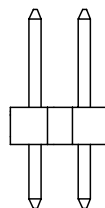
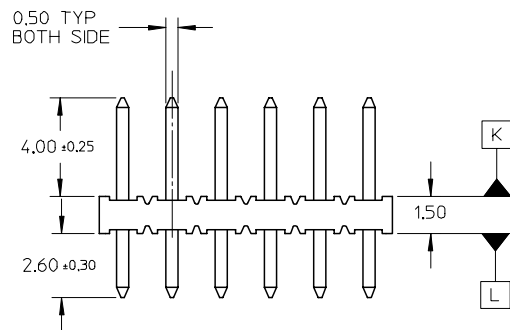
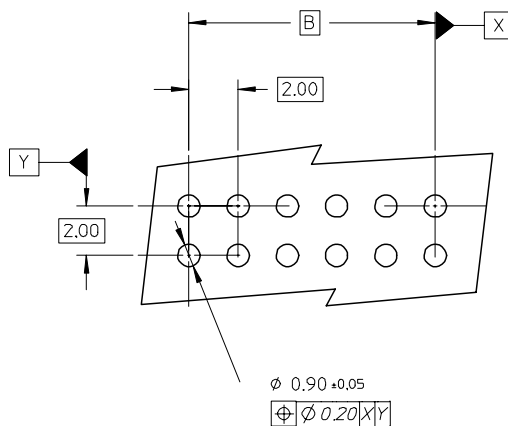
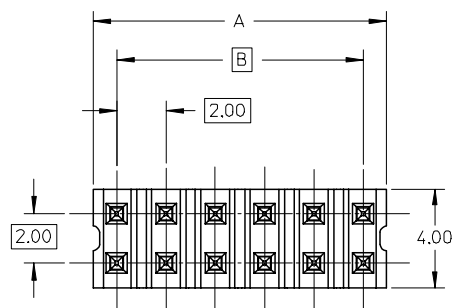
Material Info

Reference - Drawing Numbers

Product Specification	PS-87761-100
Sales Drawing	SD-87758-107

This document was generated on 05/25/2010

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$\phi 0.71 \pm 0.07$
 $\phi 0.30 \times M$



VIEW P

$\phi 0.71 \pm 0.07$
 $\phi 0.30 \times M$



VIEW Q

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

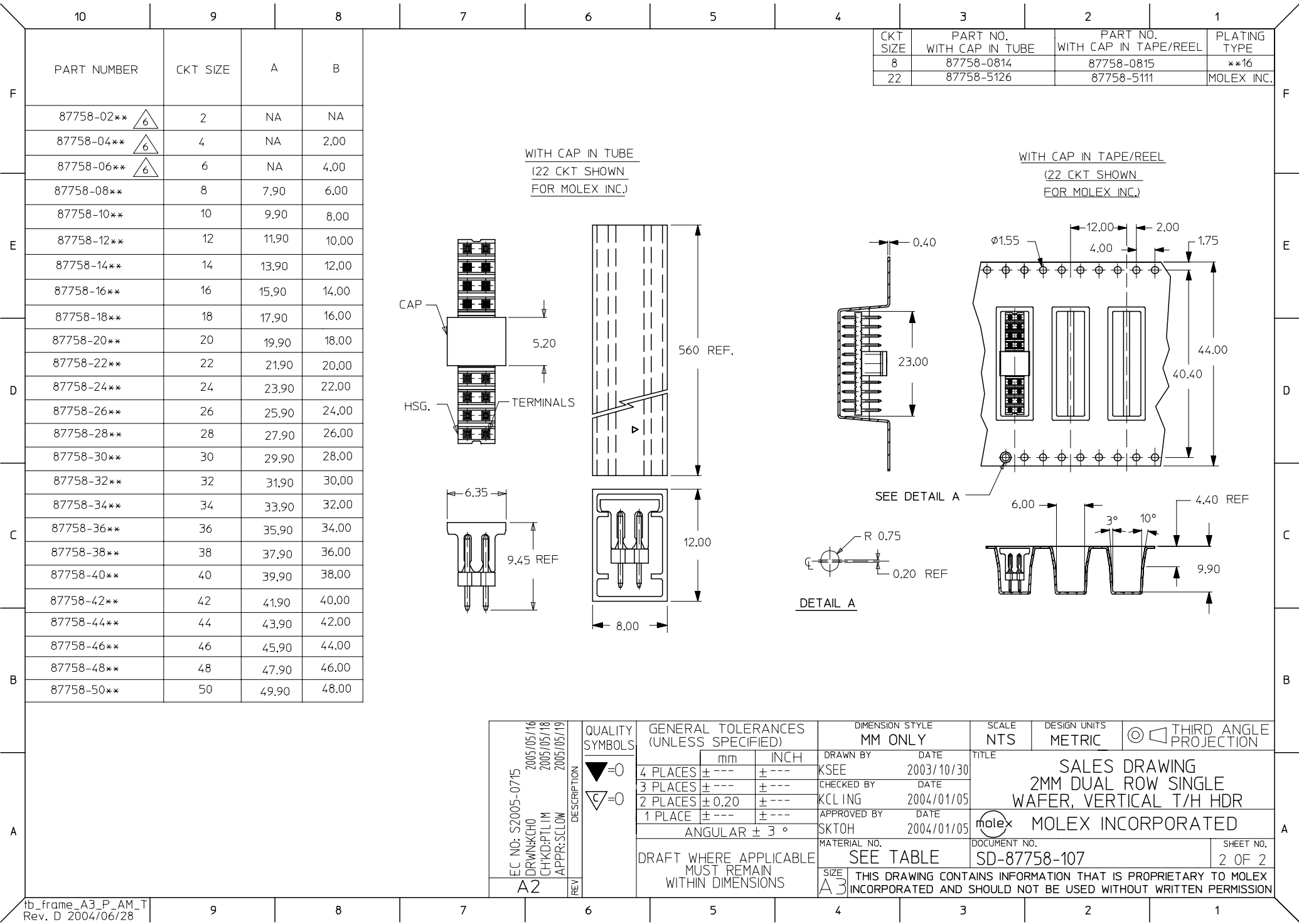
5. PIN PUSHOUT FORCE: 1KG MIN IN EITHER DIRECTION

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.

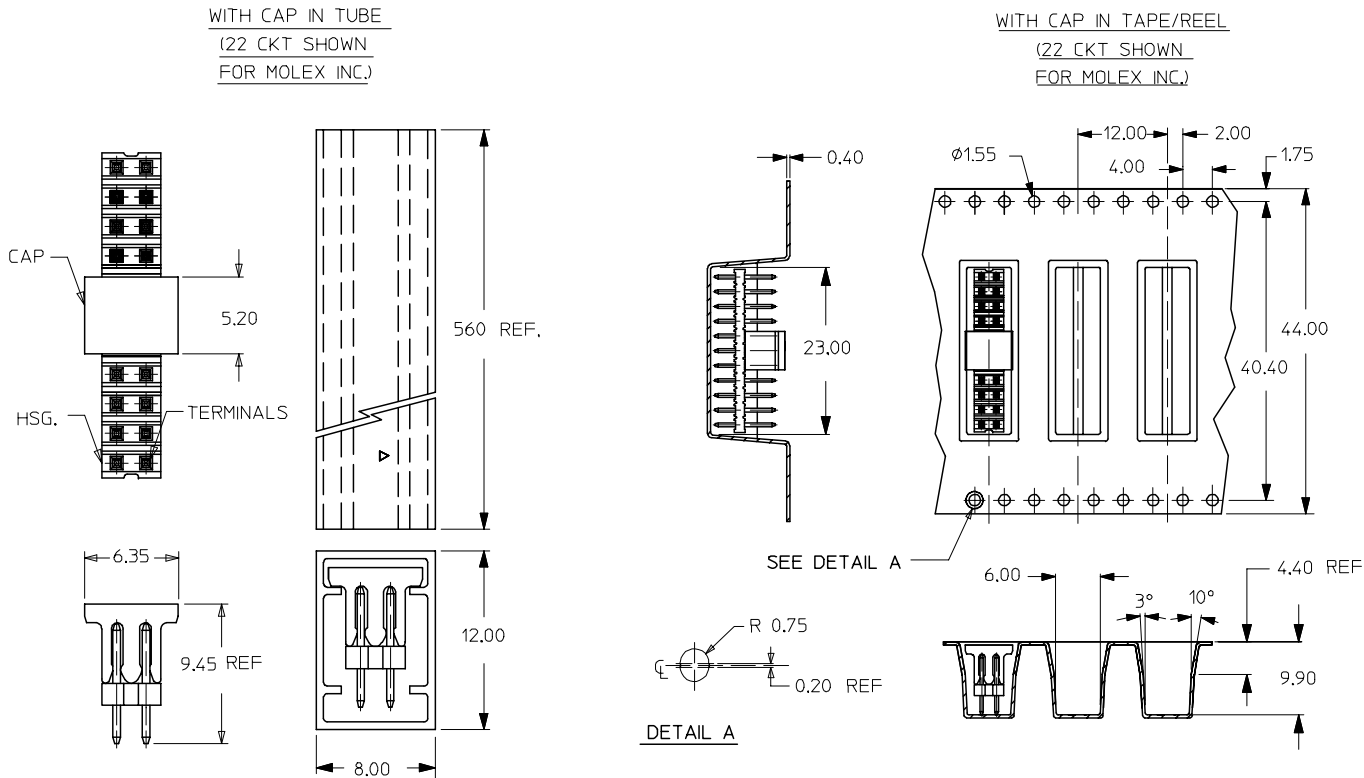
7. PRODUCT SPEC PS-87761-100 APPLIES.

8. RECOMMENDED PCB THICKNESS IS 1.60±0.10

EC NO: S2005-0715 DRAWN:KCHO CHKD:PTLM APPR:SCLOW A2	2005/05/16 2005/05/18 2005/05/19	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			▼=0 ▽=0		mm INCH	DRAWN BY KSEE	DATE 2003/10/30	TITLE SALES DRAWING 2MM DUAL ROW SINGLE WAFER, VERTICAL T/H HDR		
				4 PLACES	± ---	± ---	CHECKED BY KCL ING		DATE 2004/01/05	
				3 PLACES	± ---	± ---	APPROVED BY SKTOH		DATE 2004/01/05	
				2 PLACES	± 0.20	± ---	DOCUMENT NO. SD-87758-107		SHEET NO. 1 OF 2	
				1 PLACE	± ---	± ---				
			ANGULAR ± 3 °		MATERIAL NO. SEE TABLE	MOLEX MOLEX INCORPORATED				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



CKT SIZE	PART NO. WITH CAP IN TUBE	PART NO. WITH CAP IN TAPE/REEL	PLATING TYPE
8	87758-0814	87758-0815	**16
22	87758-5126	87758-5111	MOLEX INC.



EC NO: S2005-0715 2005/05/16 DRWN:KCH0 2005/05/18 CHKD:PTLIM 2005/05/19 APPR:SCLOW	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY	DATE	TITLE SALES DRAWING 2MM DUAL ROW SINGLE WAFER, VERTICAL T/H HDR				
			4 PLACES	± ---	± ---	KSEE	2003/10/30					
			3 PLACES	± ---	± ---	CHECKED BY	DATE					
			2 PLACES	± 0.20	± ---	KCL ING	2004/01/05					
			1 PLACE	± ---	± ---	APPROVED BY	DATE					
			ANGULAR ± 3 °		SKTOH	2004/01/05	molex MOLEX INCORPORATED					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87758-107			SHEET NO. 2 OF 2		
A2					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					