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Part Number: [0879114211](#)
Status: **Active**
Overview: C-Grid®
Description: 2.54mm (.100") Pitch C-Grid® Header, Right Angle, Through Hole, 42 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tube Packaging, Lead-free

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

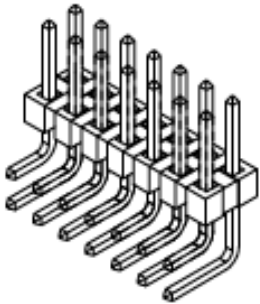
UL E29179

General

Product Family PCB Headers
Series [87911](#)
Application Board-to-Board, Wire-to-Board
Overview C-Grid®
Product Name C-Grid®

Physical

Breakaway Yes
Circuits (Loaded) 42
Circuits (maximum) 42
Color - Resin Black
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
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Right Angle
PC Tail Length (in) 0.125 In
PC Tail Length (mm) 3.18 mm
PCB Locator No
PCB Retention None
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tube
Pitch - Mating Interface (in) 0.100 In
Pitch - Mating Interface (mm) 2.54 mm
Pitch - Term. Interface (in) 0.100 In
Pitch - Term. Interface (mm) 2.54 mm
Plating min: Mating (µin) 15
Plating min: Mating (µm) 0.38
Polarized to Mating Part No
Polarized to PCB No
Shrouded No
Stackable No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -55°C to +105°C



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Not Reviewed
**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

[87911Series](#)

Mates With

[7859 Shunts](#). C-Grid® PCB Receptacles like
[71850](#). [SL™](#) IDT Housing like [70450](#)

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	3A
Voltage - Maximum	250V
Material Info	
Reference - Drawing Numbers	
Sales Drawing	SD-87911-027

This document was generated on 04/21/2010

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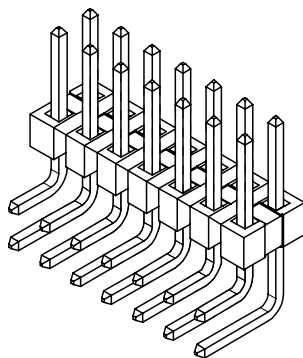
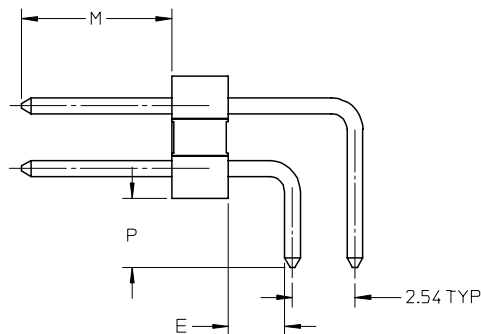
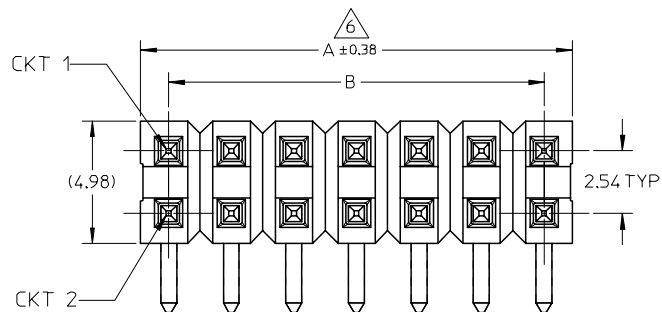
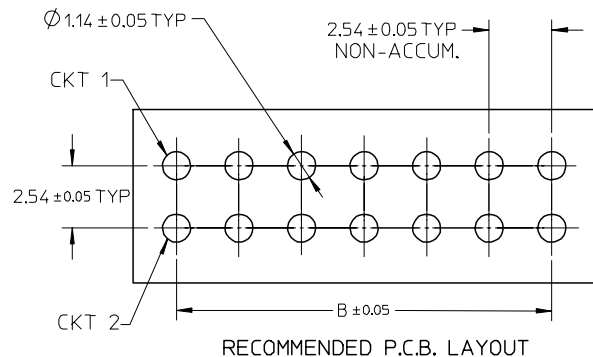
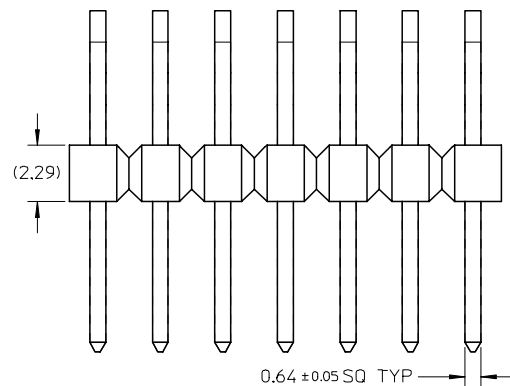
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NOTE:

1. MATERIAL:

HOUSING: - LCP, GLASS FILLED, UL94V-0
COLOR: BLACK

TERMINAL: - COPPER ALLOY, 0.64MM SQ

2. PLATING TYPE:

- 1) 15µin MIN. GOLD PLATE ON CONTACT AND 75µin MIN. TIN ON SOLDER TAIL OVER 50µin MIN. NICKEL OVERALL.
- 2) 30µin MIN. GOLD PLATE ON CONTACT AND 75µin MIN. TIN ON SOLDER TAIL OVER 50µin MIN. NICKEL OVERALL.
- 3) 100µin MIN. TIN OVERALL. 50µin MIN. NICKEL OVERALL.

3. THE ABOVE 14 CKT SHOWN IS FOR ILLUSTRATION ONLY..

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

5. PART TO BE PACKED IN TUBE.

6. IRREGULAR CIRCUIT CUTOFF WITHIN BREAKAWAY SECTION IS PERMISSIBLE. CUTTING OR CHIPPING OF THE MAIN BODY IS NOT ACCEPTABLE

7. RECOMMENDED PCB THICKNESS = 1.60 ± 0.10mm

8. PRODUCT SPECIFICATION: PS-87920-019

9. PACKAGING SPECIFICATION: PK-89990-519

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E

D

C

B

A

REVISED	EC NO: S2007-0544	2006/12/13 2006/12/19 2006/12/27	DESCRIPTION	QUALITY SYMBOLS ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					DRAWN BY YLOIAO		DATE 2005/01/17	TITLE CUSTOM HEADER C-GRID DUAL ROW HEADER RIGHT ANGLE THROUGH HOLE					
					CHECKED BY PTL IM		DATE 2005/01/25						
					APPROVED BY SCLOW		DATE 2005/01/25						
					MATERIAL NO.		DOCUMENT NO.		SHEET NO.				
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE TABLE		SD-87911-027		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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