

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0879116811](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch C-Grid® Header, Right Angle, Through Hole, 68 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tube Packaging, Lead-free

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

Agency Certification

UL E29179

General

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

Physical

Breakaway Yes
Circuits (Loaded) 68
Circuits (maximum) 68
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

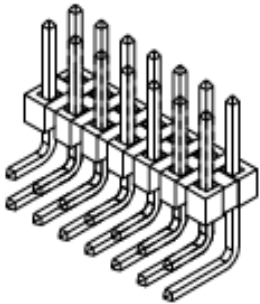


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
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
[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 05/25/2010

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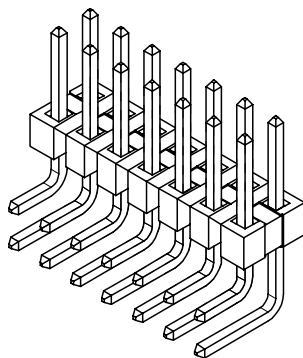
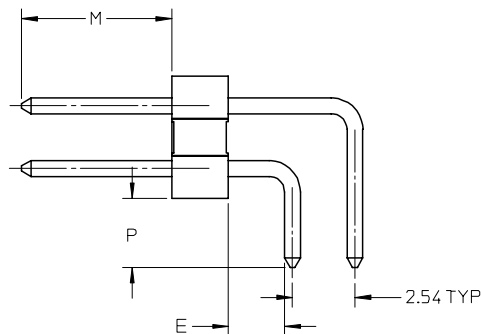
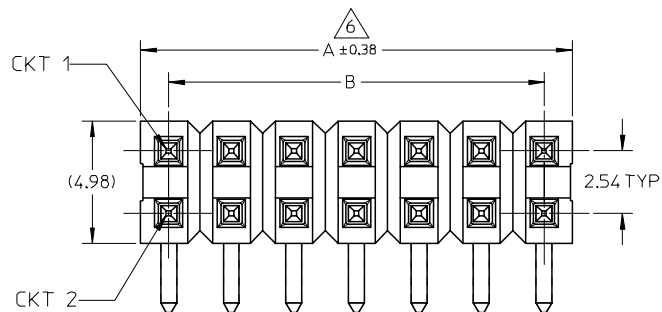
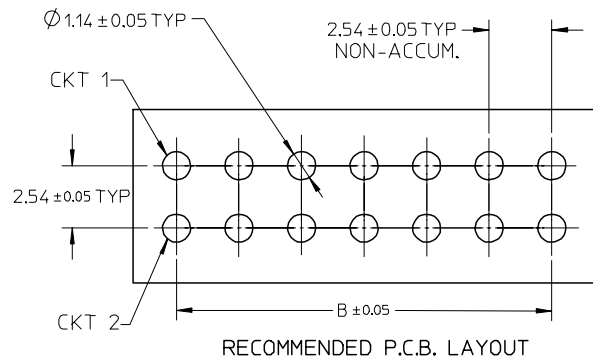
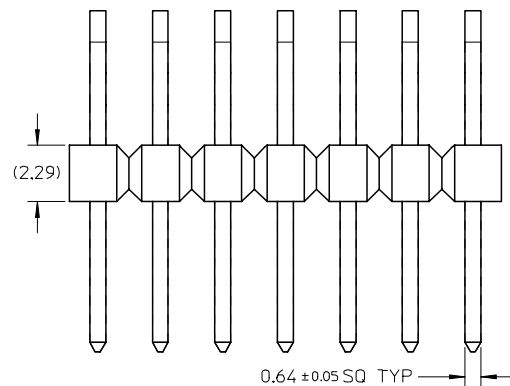
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NOTE:

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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REVISED		DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
EC NO: S2007-0544		2006/12/13		2006/12/19		2006/12/27		DRAWN BY YLQIAO		DATE 2005/01/17		TITLE		CUSTOM HEADER	
DRWN:SKLIM01		2006/12/13		2006/12/19		2006/12/27		CHECKED BY		DATE		PTL IM		2005/01/25	
CHKD:CWAM		2006/12/13		2006/12/19		2006/12/27		APPR:KWLEE		DATE		SCLOW		2005/01/25	
APPR:KWLEE		2006/12/13		2006/12/19		2006/12/27		1 PLACE		± ---		ANGULAR ± 3 °		MATERIAL NO.	
REV B		REV		REV		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO.		SHEET NO.	
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SD-87911-027		1 OF 4									

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