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Part Number: [0879116411](#)
Status: **Active**
Overview: [cgrid_sl_products](#)
Description: 2.54mm (.100") Pitch C-Grid® Header, Right Angle, Through Hole, 64 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Tube Packaging, Lead-free

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

Agency Certification

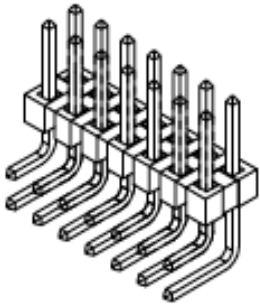
UL E29179

General

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

Physical

Breakaway Yes
Circuits (Loaded) 64
Circuits (maximum) 64
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.

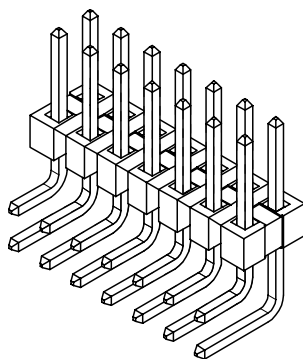
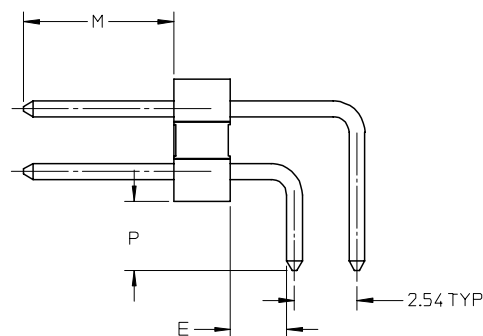
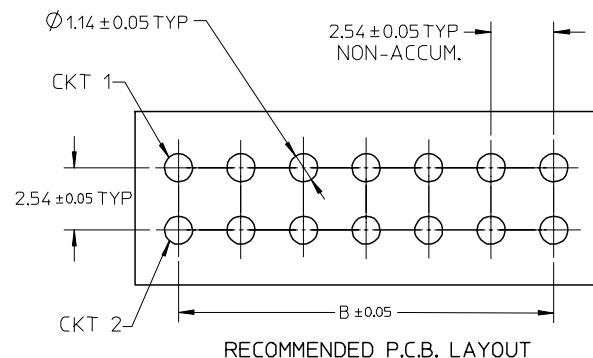
Search Parts in this Series
[87911Series](#)

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 05/25/2010

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9. PACKAGING SPECIFICATION: PK-89990-519

REVISED EC NO: S2007-0544 DRAWN: SKLIM01 CHKD: CWLAM APPR: KWLEE	2006/12/13	2006/12/19	2006/12/27	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
								DRAWN BY YLQIAO		DATE 2005/01/17	TITLE CUSTOM HEADER C-GRID DUAL ROW HEADER RIGHT ANGLE THROUGH HOLE		
								CHECKED BY PTLIM		DATE 2005/01/25			
								APPROVED BY SCLOW		DATE 2005/01/25			
						ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT 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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F	<table><tr><th rowspan="2">PART NO.</th><th rowspan="2">CKT SIZE</th><th rowspan="2">VOID POSITION</th><th rowspan="2">PLATING TYPE</th><th colspan="5">DIMENSION</th></tr><tr><th>A</th><th>B</th><th>M</th><th>P</th><th>E</th></tr><tr><td>87911-0411</td><td>4</td><td>-----</td><td>1</td><td>5.08</td><td>2.54</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-0412</td><td>4</td><td>-----</td><td>2</td><td>5.08</td><td>2.54</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-0413</td><td>4</td><td>-----</td><td>3</td><td>5.08</td><td>2.54</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-0611</td><td>6</td><td>-----</td><td>1</td><td>7.62</td><td>5.08</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-0612</td><td>6</td><td>-----</td><td>2</td><td>7.62</td><td>5.08</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-0613</td><td>6</td><td>-----</td><td>3</td><td>7.62</td><td>5.08</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-0811</td><td>8</td><td>-----</td><td>1</td><td>10.16</td><td>7.62</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-0812</td><td>8</td><td>-----</td><td>2</td><td>10.16</td><td>7.62</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-0813</td><td>8</td><td>-----</td><td>3</td><td>10.16</td><td>7.62</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-0800</td><td>8</td><td>-----</td><td>1</td><td>10.16</td><td>7.62</td><td>6.10</td><td>2.79</td><td>2.29</td></tr><tr><td>87911-1011</td><td>10</td><td>-----</td><td>1</td><td>12.70</td><td>10.16</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1012</td><td>10</td><td>-----</td><td>2</td><td>12.70</td><td>10.16</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1013</td><td>10</td><td>-----</td><td>3</td><td>12.70</td><td>10.16</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1211</td><td>12</td><td>-----</td><td>1</td><td>15.24</td><td>12.70</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1212</td><td>12</td><td>-----</td><td>2</td><td>15.24</td><td>12.70</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1213</td><td>12</td><td>-----</td><td>3</td><td>15.24</td><td>12.70</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1411</td><td>14</td><td>-----</td><td>1</td><td>17.78</td><td>15.24</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1412</td><td>14</td><td>-----</td><td>2</td><td>17.78</td><td>15.24</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1413</td><td>14</td><td>-----</td><td>3</td><td>17.78</td><td>15.24</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1611</td><td>16</td><td>-----</td><td>1</td><td>20.32</td><td>17.78</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1612</td><td>16</td><td>-----</td><td>2</td><td>20.32</td><td>17.78</td><td>6.10</td><td>3.18</td><td>2.27</td></tr><tr><td>87911-1613</td><td>16</td><td>-----</td><td>3</td><td>20.32</td><td>17.78</td><td>6.10</td><td>3.18</td><td>2.27</td></tr></table>									PART NO.	CKT SIZE	VOID POSITION	PLATING TYPE	DIMENSION					A	B	M	P	E	87911-0411	4	-----	1	5.08	2.54	6.10	3.18	2.27	87911-0412	4	-----	2	5.08	2.54	6.10	3.18	2.27	87911-0413	4	-----	3	5.08	2.54	6.10	3.18	2.27	87911-0611	6	-----	1	7.62	5.08	6.10	3.18	2.27	87911-0612	6	-----	2	7.62	5.08	6.10	3.18	2.27	87911-0613	6	-----	3	7.62	5.08	6.10	3.18	2.27	87911-0811	8	-----	1	10.16	7.62	6.10	3.18	2.27	87911-0812	8	-----	2	10.16	7.62	6.10	3.18	2.27	87911-0813	8	-----	3	10.16	7.62	6.10	3.18	2.27	87911-0800	8	-----	1	10.16	7.62	6.10	2.79	2.29	87911-1011	10	-----	1	12.70	10.16	6.10	3.18	2.27	87911-1012	10	-----	2	12.70	10.16	6.10	3.18	2.27	87911-1013	10	-----	3	12.70	10.16	6.10	3.18	2.27	87911-1211	12	-----	1	15.24	12.70	6.10	3.18	2.27	87911-1212	12	-----	2	15.24	12.70	6.10	3.18	2.27	87911-1213	12	-----	3	15.24	12.70	6.10	3.18	2.27	87911-1411	14	-----	1	17.78	15.24	6.10	3.18	2.27	87911-1412	14	-----	2	17.78	15.24	6.10	3.18	2.27	87911-1413	14	-----	3	17.78	15.24	6.10	3.18	2.27	87911-1611	16	-----	1	20.32	17.78	6.10	3.18	2.27	87911-1612	16	-----	2	20.32	17.78	6.10	3.18	2.27	87911-1613	16	-----	3	20.32	17.78	6.10	3.18	2.27	F
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																			87911-3211	32	-----	1	40.64	38.10	6.10	3.18	2.27	87911-4611	46	-----	1	58.42	55.88	6.10	3.18	2.27
																			87911-3212	32	-----	2	40.64	38.10	6.10	3.18	2.27	87911-4612	46	-----	2	58.42	55.88	6.10	3.18	2.27
																			87911-3213	32	-----	3	40.64	38.10	6.10	3.18	2.27	87911-4613	46	-----	3	58.42	55.88	6.10	3.18	2.27
																			87911-3411	34	-----	1	43.18	40.64	6.10	3.18	2.27	87911-4811	48	-----	1	60.96	58.42	6.10	3.18	2.27
																			87911-3412	34	-----	2	43.18	40.64	6.10	3.18	2.27	87911-4812	48	-----	2	60.96	58.42	6.10	3.18	2.27
																			87911-3413	34	-----	3	43.18	40.64	6.10	3.18	2.27	87911-4813	48	-----	3	60.96	58.42	6.10	3.18	2.27
																			87911-3611	36	-----	1	45.72	43.18	6.10	3.18	2.27	87911-5011	50	-----	1	63.50	60.96	6.10	3.18	2.27
																			87911-3612	36	-----	2	45.72	43.18	6.10	3.18	2.27	87911-5012	50	-----	2	63.50	60.96	6.10	3.18	2.27
																			87911-3613	36	-----	3	45.72	43.18	6.10	3.18	2.27	87911-5013	50	-----	3	63.50	60.96	6.10	3.18	2.27
																			87911-3811	38	-----	1	48.26	45.72	6.10	3.18	2.27	87911-5211	52	-----	1	66.04	63.50	6.10	3.18	2.27
																			87911-3812	38	-----	2	48.26	45.72	6.10	3.18	2.27	87911-5212	52	-----	2	66.04	63.50	6.10	3.18	2.27
																			87911-3813	38	-----	3	48.26	45.72	6.10	3.18	2.27	87911-5213	52	-----	3	66.04	63.50	6.10	3.18	2.27
																			87911-4011	40	-----	1	50.80	48.26	6.10	3.18	2.27	87911-5411	54	-----	1	68.58	66.04	6.10	3.18	2.27
																			87911-4012	40	-----	2	50.80	48.26	6.10	3.18	2.27	87911-5412	54	-----	2	68.58	66.04	6.10	3.18	2.27
																			87911-4013	40	-----	3	50.80	48.26	6.10	3.18	2.27	87911-5413	54	-----	3	68.58	66.04	6.10	3.18	2.27
87911-4211	42	-----	1	53.34	50.80	6.10	3.18	2.27	87911-5611	56	-----	1	71.12	68.58	6.10	3.18	2.27																			
87911-4212	42	-----	2	53.34	50.80	6.10	3.18	2.27	87911-5612	56	-----	2	71.12	68.58	6.10	3.18	2.27																			
87911-4213	42	-----	3	53.34	50.80	6.10	3.18	2.27	87911-5613	56	-----	3	71.12	68.58	6.10	3.18	2.27																			
87911-4411	44	-----	1	55.88	53.34	6.10	3.18	2.27	87911-5811	58	-----	1	73.66	71.12	6.10	3.18	2.27																			
87911-4412	44	-----	2	55.88	53.34	6.10	3.18	2.27	87911-5812	58	-----	2	73.66	71.12	6.10	3.18	2.27																			
87911-4413	44	-----	3	55.88	53.34	6.10	3.18	2.27	87911-5813	58	-----	3	73.66	71.12	6.10	3.18	2.27																			
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