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Part Number:

0901362106

Status:

Active

Overview:

C-Grid III™

Description:

2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Right Angle, Shrouded, 6 Circuits, 4µm (160µ") Tin/Lead (Sn) over Nickel (Ni)

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

General

Product Family

PCB Headers

Series

90136

Application

Wire-to-Board

Overview

C-Grid III™

Product Name

C-Grid III™

Physical

Breakaway

No

Circuits (Loaded)

6

Circuits (maximum)

6

Color - Resin

Black

First Mate / Last Break

No

Glow-Wire Compliant

No

Guide to Mating Part

No

Keying to Mating Part

None

Lock to Mating Part

Yes

Material - Metal

Brass

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

Polyester

Number of Rows

1

Orientation

Right Angle

PC Tail Length (in)

0.114 In

PC Tail Length (mm)

2.90 mm

PCB Locator

No

PCB Retention

None

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.60 mm

Packaging Type

Tray

Pitch - Mating Interface (in)

0.100 In

Pitch - Mating Interface (mm)

2.54 mm

Plating min: Mating (µin)

120

Plating min: Mating (µm)

3

Plating min: Termination (µin)

120

Plating min: Termination (µm)

3

Polarized to PCB

No

Shrouded

Fully

Stackable

No

Temperature Range - Operating

-55°C to +125°C

Termination Interface: Style

Through Hole

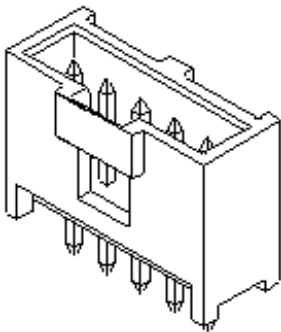
Electrical

Current - Maximum per Contact

3A

Voltage - Maximum

350V



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

90136Series

Mates With

90123 C-Grid III™ Modular Crimp Housing.

90156 C-Grid III™ Crimp Housing

Solder Process Data

Lead-free Process Capability

Wave Capable (TH only)

Material Info

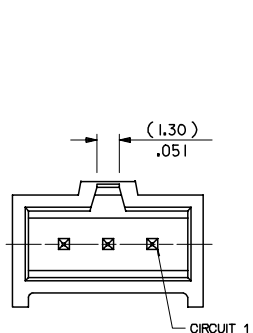
Reference - Drawing Numbers

Sales Drawing

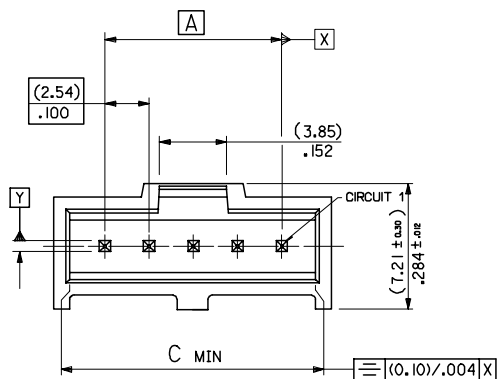
SDA-90136

This document was generated on 03/31/2010

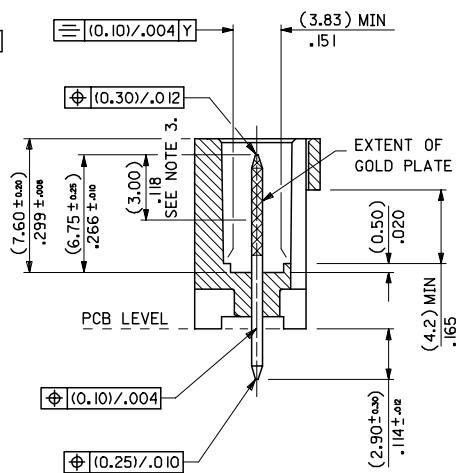
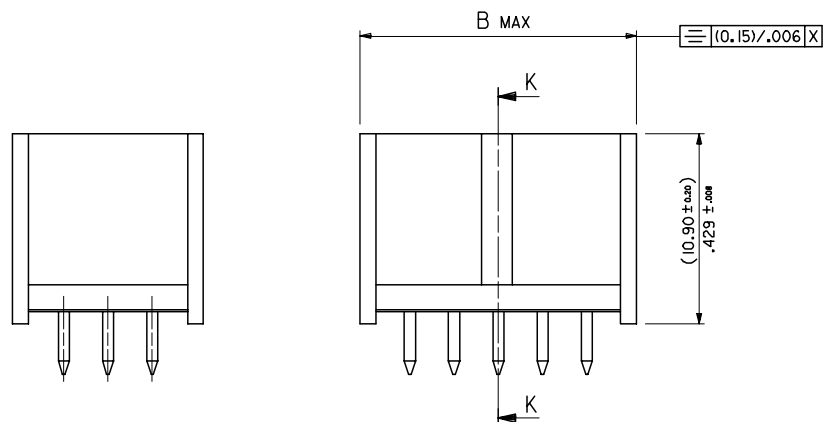
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1 TO 3 CIRCUITS

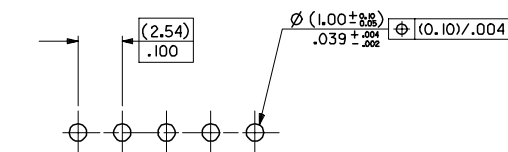


4 TO 32 CIRCUITS



SECTION K-K

No. OF CKTS	DIM A	DIM B	DIM C
1		(5.89) / .232	(4.06) / .160
2	(2.54) / .100	(8.43) / .332	(6.60) / .260
3	(5.08) / .200	(10.97) / .432	(9.14) / .360
4	(7.62) / .300	(13.51) / .532	(11.68) / .460
5	(10.16) / .400	(16.05) / .632	(14.22) / .560
6	(12.70) / .500	(18.59) / .732	(16.76) / .660
7	(15.24) / .600	(21.13) / .832	(19.30) / .760
8	(17.78) / .700	(23.67) / .932	(21.84) / .860
9	(20.32) / .800	(26.21) / 1.032	(24.38) / .960
10	(22.86) / .900	(28.75) / 1.132	(26.92) / 1.060
11	(25.40) / 1.000	(31.29) / 1.232	(29.46) / 1.160
12	(27.94) / 1.100	(33.83) / 1.332	(32.00) / 1.260
13	(30.48) / 1.200	(36.37) / 1.432	(34.54) / 1.360
14	(33.02) / 1.300	(38.91) / 1.532	(37.08) / 1.460
15	(35.56) / 1.400	(41.45) / 1.632	(39.62) / 1.560
16	(38.10) / 1.500	(43.99) / 1.732	(42.16) / 1.660
17	(40.64) / 1.600	(46.53) / 1.832	(44.70) / 1.760
18	(43.18) / 1.700	(49.07) / 1.932	(47.24) / 1.860
19	(45.72) / 1.800	(51.61) / 2.032	(49.78) / 1.960
20	(48.26) / 1.900	(54.15) / 2.132	(52.32) / 2.060
21	(50.80) / 2.000	(56.69) / 2.232	(54.86) / 2.160
22	(53.34) / 2.100	(59.23) / 2.332	(57.40) / 2.260
23	(55.88) / 2.200	(61.77) / 2.432	(59.94) / 2.360
24	(58.42) / 2.300	(64.31) / 2.532	(62.48) / 2.460
25	(60.96) / 2.400	(66.85) / 2.632	(65.02) / 2.560
26	(63.50) / 2.500	(69.39) / 2.732	(67.56) / 2.660
27	(66.04) / 2.600	(71.93) / 2.832	(70.10) / 2.760
28	(68.58) / 2.700	(74.47) / 2.932	(72.64) / 2.860
29	(71.12) / 2.800	(77.01) / 3.032	(75.18) / 2.960
30	(73.66) / 2.900	(79.55) / 3.132	(77.72) / 3.060
31	(76.20) / 3.000	(82.09) / 3.232	(80.26) / 3.160
32	(78.74) / 3.100	(84.63) / 3.332	(82.80) / 3.260



RECOMMENDED P.C. BOARD
HOLE PATTERN

NOTES

1. MATERIAL:-

- PIN:- (0.635) / .025 SQ. BRASS WIRE.
- HOUSING:- 15% GLASS FILLED POLYESTER
- UL 94 V-0 COLOUR BLACK

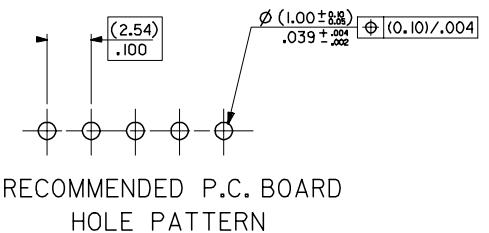
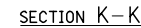
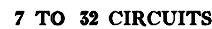
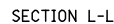
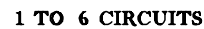
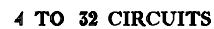
2. FOR PLATING VERSIONS SEE SHEET 2.

3. MEASUREMENT POINT FOR MINIMUM PLATING THICKNESS

4. PRODUCT SPEC: PS-99020-0001

5. RECOMMENDED PCB THICKNESS 1.6mm

ADDED CIRCUIT 1 INDICATOR		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO.	DATE	SYMBOL	DESCRIPTION	mm	INCH	MM/IN	DATE	5:1	METRIC				
E2008-0112	2007/09/10	▽=0	ADDED CIRCUIT 1 INDICATOR	4 PLACES ± ---	± ---	KS	1987/10/30						
DRW: NDB/BNES	2007/09/10	▽=0	CHFKO: 2007/09/10	3 PLACES ± ---	± .004	CHECKED BY	DATE						
APPR: IMALLACE	2007/09/11		REV	2 PLACES ± 0.10	± ---	APPROVED BY	DATE						
				1 PLACE ± ---	± ---								
				ANGULAR ± 1/2°									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
				SEE CHART									
				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									



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9	(20.32) / .800	(26.21) / 1.032	(24.38) / .960
10	(22.86) / .900	(28.75) / 1.132	(26.92) / 1.060
11	(25.4) / 1.000	(31.29) / 1.232	(29.46) / 1.160
12	(27.94) / 1.100	(33.83) / 1.332	(32.00) / 1.260
13	(30.48) / 1.200	(36.37) / 1.432	(34.54) / 1.360
14	(33.02) / 1.300	(38.91) / 1.532	(37.08) / 1.460
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23	(55.88) / 2.200	(61.77) / 2.432	(59.94) / 2.360
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DOCUMENT NO.	SDA-90136	SHEET NO.	3 OF 100
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	10	9	8	7	6	5	4	3	2	1	
F			PART NUMBERS								F
		NO. OF CKTS	PLATING TYPE A	PLATING TYPE E	PLATING TYPE F						
		1	90136-2101	90136-2201	90136-2301						
		2	▲ -2102	▲ -2202	▲ -2302						
		3	-2103	-2203	-2303						
		4	-2104	-2204	-2304						
		5	-2105	-2205	-2305						
E		6	-2106	-2206	-2306						E
		7	-2107	-2207	-2307						
		8	-2108	-2208	-2308						
		9	-2109	-2209	-2309						
		10	-2110	-2210	-2310						
		11	-2111	-2211	-2311						
		12	-2112	-2212	-2312						
		13	-2113	-2213	-2313						
D		14	-2114	-2214	-2314						D
		15	-2115	-2215	-2315						
		16	-2116	-2216	-2316						
		17	-2117	-2217	-2317						
		18	-2118	-2218	-2318						
		19	-2119	-2219	-2319						
		20	-2120	-2220	-2320						
		21	-2121	-2221	-2321						
		22	-2122	-2222	-2322						
C		23	-2123	-2223	-2323						C
		24	-2124	-2224	-2324						
		25	-2125	-2225	-2325						
		26	-2126	-2226	-2326						
		27	-2127	-2227	-2327						
		28	-2128	-2228	-2328						
		29	-2129	-2229	-2329						
B		30	-2130	-2230	-2330						B
		31	▼ -2131	▼ -2231	▼ -2331						
		32	90136-2132	90136-2232	90136-2332						