

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0906270774

Status:

Active

Overview:

cgrid_iii

Description:

2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, with Kinked PC Tail, 14 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

Drawing (PDF)

General

Product Family

PCB Headers

Series

90627

Application

Wire-to-Board

Overview

cgrid_iii

Product Name

C-Grid III™

Physical

Breakaway

Yes

Circuits (Loaded)

14

Circuits (maximum)

14

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

None

Material - Metal

Brass

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

Polyester

Number of Rows

1

Orientation

Vertical

PC Tail Length (in)

0.114 In

PC Tail Length (mm)

2.90 mm

PCB Locator

No

PCB Retention

Yes

PCB Thickness Recommended (in)

0.061 In

PCB Thickness Recommended (mm)

1.50 mm

Packaging Type

Bag

Pitch - Mating Interface (in)

0.100 In

Pitch - Mating Interface (mm)

2.54 mm

Plating min: Mating (µin)

15.2

Plating min: Mating (µm)

0.38

Plating min: Termination (µin)

120

Plating min: Termination (µm)

3

Polarized to Mating Part

No

Polarized to PCB

No

Shrouded

No

Stackable

No

Temperature Range - Operating

-55°C to +125°C

Termination Interface: Style

Through Hole

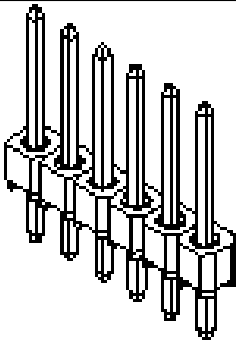
Electrical

Current - Maximum per Contact

3A

Voltage - Maximum

350V



Series
image - Reference only

EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

90627Series

Material Info

Reference - Drawing Numbers

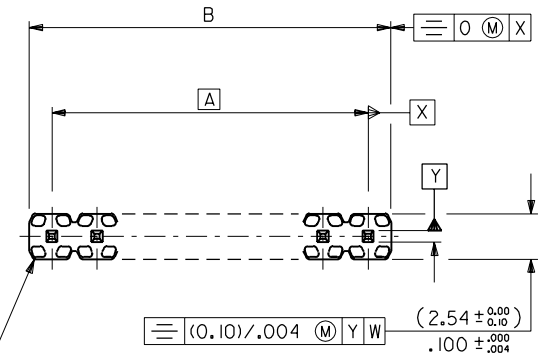
Sales Drawing

SDA-90627

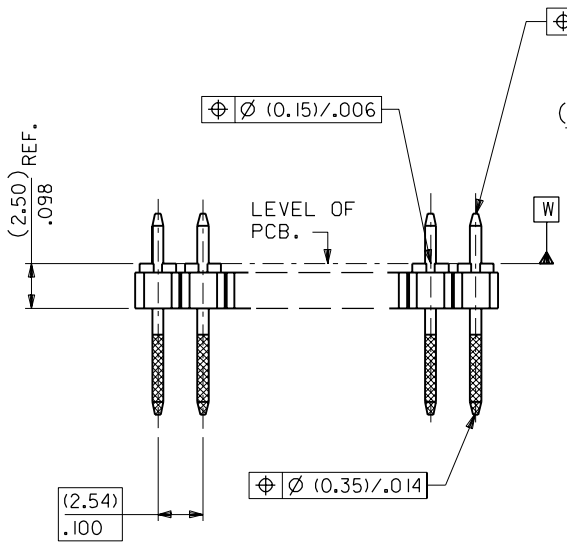
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

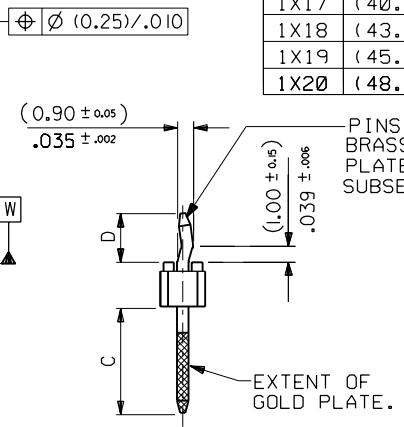
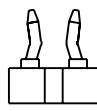
SEE CHART
SDA-90627



WAFER: 15% G.F. POLYESTER
TO UL 94V-0.
COLOUR : BLACK.



OPPOSING KINKS
VIEW SHOWS 1 X 2 CCT ONLY

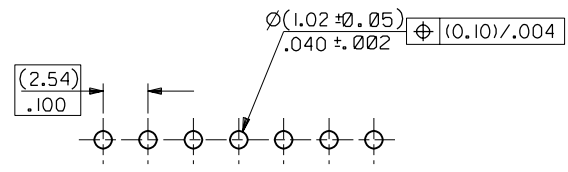


STRAIGHT PINS
OMITTED FROM VIEW

CKT SIZE	DIM. "A"		DIM. "B" ^(+0.20) ±.008		CKT SIZE	DIM. "A"		DIM. "B" ^(+0.20) ±.008	
1X 1			(2.54)		1X21	(50.80)	2.000	(53.34)	2.100
1X 2	(2.54)	.100	(5.08)	.200	1X22	(53.34)	2.100	(55.88)	2.200
1X 3	(5.08)	.200	(7.62)	.300	1X23	(55.88)	2.200	(58.42)	2.300
1X 4	(7.62)	.300	(10.16)	.400	1X24	(58.42)	2.300	(60.96)	2.400
1X 5	(10.16)	.400	(12.70)	.500	1X25	(60.96)	2.400	(63.50)	2.500
1X 6	(12.70)	.500	(15.24)	.600	1X26	(63.50)	2.500	(66.04)	2.600
1X 7	(15.24)	.600	(17.78)	.700	1X27	(66.04)	2.600	(68.58)	2.700
1X 8	(17.78)	.700	(20.32)	.800	1X28	(68.58)	2.700	(71.12)	2.800
1X 9	(20.32)	.800	(22.86)	.900	1X29	(71.12)	2.800	(73.66)	2.900
1X10	(22.86)	.900	(25.40)	1.000	1X30	(73.66)	2.900	(76.20)	3.000
1X11	(25.40)	1.000	(27.94)	1.100	1X31	(76.20)	3.000	(78.74)	3.100
1X12	(27.94)	1.100	(30.48)	1.200	1X32	(78.74)	3.100	(81.28)	3.200
1X13	(30.48)	1.200	(33.02)	1.300	1X33	(81.28)	3.200	(83.82)	3.300
1X14	(33.02)	1.300	(35.56)	1.400	1X34	(83.82)	3.300	(86.36)	3.400
1X15	(35.56)	1.400	(38.10)	1.500	1X35	(86.36)	3.400	(88.90)	3.500
1X16	(38.10)	1.500	(40.64)	1.600	1X36	(88.90)	3.500	(91.44)	3.600
1X17	(40.64)	1.600	(43.18)	1.700	1X37	(91.44)	3.600	(93.98)	3.700
1X18	(43.18)	1.700	(45.72)	1.800	1X38	(93.98)	3.700	(96.52)	3.800
1X19	(45.72)	1.800	(48.26)	1.900	1X39	(96.52)	3.800	(99.06)	3.900
1X20	(48.26)	1.900	(50.80)	2.000	1X40	(99.06)	3.900	(101.60)	4.000

PINS: (0.635)±.025 SQ.
BRASS WIRE.
PLATED AS PER
SUBSEQUENT SHEETS

NOTES
1. FOR ASSY NUMBERS WITH FINISH OPTIONS
AND DIM'S C & D SEE SUBSEQUENT SHEETS.
2. PCB THICKNESS: (1.37-1.80)±.054-.071.



RECOMMENDED P.C. BOARD HOLE PATTERN

FOR PREVIOUS
DRAWING ISSUES
SEE MRI.

NEW RELEASE ECN E00166 10 SEPTEMBER 1990 RD		DIMENSIONS SHOWN (METRIC) INCH UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1° INCH (METRIC) 3 PLACE ± .0004 ± .10 2 PLACE ± .004 ± .10 1 PLACE ± .25 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWG BY RD CHK'D BY APP'D BY SCALE 4:1		REVISE ONLY ON CAD SYSTEM CAD/CAM FILENAME SA90627X1 DCN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		2 B SHL REV.
TITLE C-GRID III SINGLE ROW KINKED PIN HEADER		DESIGN DIMENSION (PRIMARY) ☒ (MM) EQUIVALENT DIMENSION (SECONDARY) ☒ (MM)		SHEET NO. DATE 10F2 90/11/28		PART NO. SEE CHART		DWG NO. SDA-90627		SIZE B

		10		9		8		7		6		5		4		3		2		1	
F		SEE CHART PART NO. DWG. NO.		SDA-90627		CIRCUIT SIZE		PLATING TYPE A PART NO.		PLATING TYPE E PART NO.		PLATING TYPE F PART NO.		KINKED PIN POSITION							
						1 X 1		90627-0121		90627-0761		90627-0921		嘴							
						1 X 2		90628-0121		90628-0761		90628-0921		SEE NOTE 1							
						1 X 3		90627-0123		90627-0763		90627-0923		嘴							
						1 X 4		↑ -0124		↑ -0764		↑ -0924		嘴							
						1 X 5		-0125		-0765		-0925		嗽							
						1 X 6		-0126		-0766		-0926		嗽							
						1 X 7		-0127		-0767		-0927		嘴							
						1 X 8		-0128		-0768		-0928		嘴							
						1 X 9		-0129		-0769		-0929		嗽							
						1 X 10		-0130		-0770		-0930		嗽							
						1 X 11		-0131		-0771		-0931		1.6 & 11							
						1 X 12		-0132		-0772		-0932		1.6 & 12							
						1 X 13		-0133		-0773		-0933		1.7 & 13							
						1 X 14		-0134		-0774		-0934		1.7 & 14							
						1 X 15		-0135		-0775		-0935		1.8 & 15							
						1 X 16		-0136		-0776		-0936		1.8 & 16							
						1 X 17		-0137		-0777		-0937		1.9 & 17							
						1 X 18		-0138		-0778		-0938		1.9 & 18							
						1 X 19		-0139		-0779		-0939		1.10 & 19							
						1 X 20		-0140		-0780		-0940		1.10 & 20							
						1 X 21		-0141		-0781		-0941		1.11 & 21							
						1 X 22		-0142		-0782		-0942		1.11 & 22							
						1 X 23		-0143		-0783		-0943		1.12 & 23							
						1 X 24		-0144		-0784		-0944		1.12 & 24							
						1 X 25		-0145		-0785		-0945		1.13 & 25							
						1 X 26		-0146		-0786		-0946		1.13 & 26							
						1 X 27		-0147		-0787		-0947		1.14 & 27							
						1 X 28		-0148		-0788		-0948		1.14 & 28							
						1 X 29		-0149		-0789		-0949		1.15 & 29							
						1 X 30		-0150		-0790		-0950		1.15 & 30							
						1 X 31		-0151		-0791		-0951		1.16 & 31							
						1 X 32		-0152		-0792		-0952		1.16 & 32							
						1 X 33		-0153		-0793		-0953		1.17 & 33							
						1 X 34		-0154		-0794		-0954		1.17 & 34							
						1 X 35		-0155		-0795		-0955		1.18 & 35							
						1 X 36		-0156		-0796		-0956		1.18 & 36							
						1 X 37		-0157		-0797		-0957		1.19 & 37							
						1 X 38		-0158		-0798		-0958		1.19 & 38							
						1 X 39		↓ -0159		↓ -0799		↓ -0959		1.20 & 39							
						1 X 40		90627-0160		90627-0800		90627-0960		1.20 & 40							
E		DIM C (±0.25) ±.00 (6.75) .266		DIM D (±0.30) ±.02 (2.90) .114																	
D																					
C																					
B																					
A																					
										</											