

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0906270136

Status:

Active

Overview:

cgrid_iii

Description:

2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, with Kinked PC Tail, 16 Circuits, Tin (Sn) Plating

Documents:

3D Model

RoHS Certificate of Compliance (PDF)

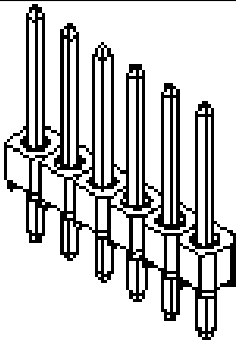
Drawing (PDF)

General	
Product Family	PCB Headers
Series	90627
Application	Wire-to-Board
Overview	cgrid_iii
Product Name	C-Grid III™
Physical	
Breakaway	Yes
Circuits (Loaded)	16
Circuits (maximum)	16
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	Tin
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
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

Material Info

Reference - Drawing Numbers	
Sales Drawing	SDA-90627



Series
image - Reference only

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](#)

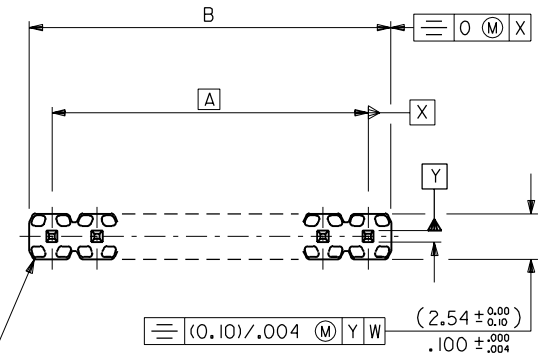
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
90627Series

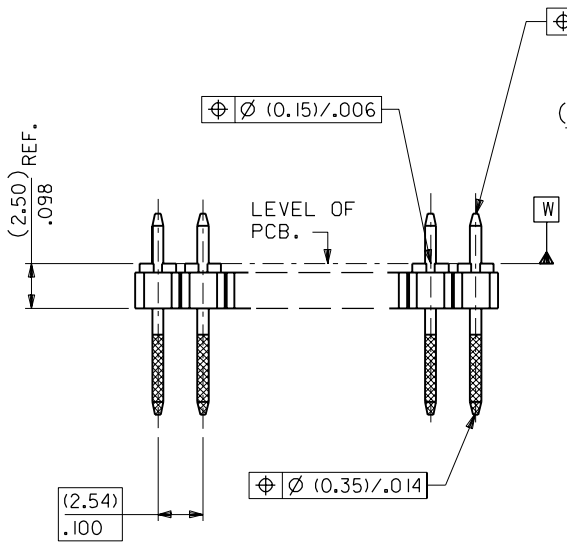
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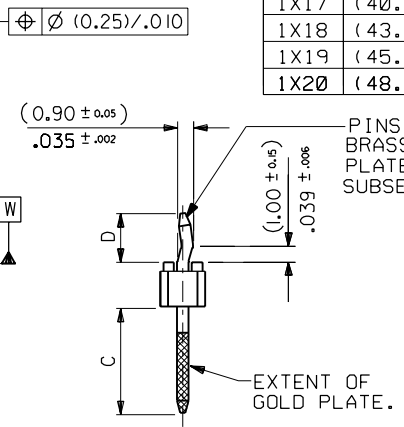
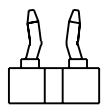
PART NO.
SEE CHART
DWG. NO.
SDA-90627



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



OPPOSING KINKS
VIEW SHOWS 1 X 2 CCT ONLY



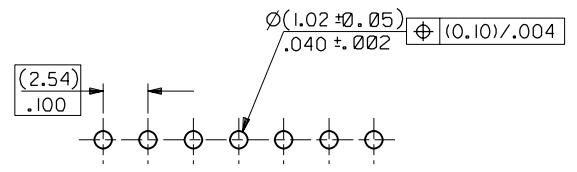
STRAIGHT PINS
OMITTED FROM VIEW

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

2	B
1	B
SH.	REV.

FOR PREVIOUS
DRAWING ISSUES
SEE MRI.

NEW RELEASE ECN E00166 10 SEPTEMBER 1990 RD	REVISIONS	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	
		DESIGN DIMENSION (PRIMARY) ☒ (MM) ☐ IN. EQUIVALENT DIMENSION (SECONDARY) ☐ (MM) ☒ IN.	CHK'D BY APP'D BY SCALE 4:1	
REVISE ONLY ON CAD SYSTEM		CAD/CAM FILENAME SA90627X1 DCN		
TITLE C-GRID III SINGLE ROW KINKED PIN HEADER		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
molex MOLEX EUROPE		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																					

NOTES:
1. SEE SHEET 1 FOR KINK DETAIL.
2. FOR PLATING VARIATIONS SEE ENG.STD. SDES-99000-0003.

FOR PREVIOUS DRAWING ISSUES SEE MRI.

SEE SHEET 1.

LTR

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± 1/2°
INCH (METRIC)
3 PLACE ± .
2 PLACE ± . ±
1 PLACE ± ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
DESIGN DIMENSION (PRIMARY) (MM) □ IN.
EQUIVALENT DIMENSION (SECONDARY) (MM) □ IN.

RD
CHK'D BY
APP'D BY
SCALE

REVISE ONLY ON CAD SYSTEM
SH. REV.
CADCAM FILENAME
SA9062TX2
DCN
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TITLE
C-GRID III
SINGLE ROW KINKED
PIN HEADER
MOLEX EUROPE
SHEET NO. DATE
20F 90/08/11
PART NO.
SEE CHART
DWG NO.
SDA-90627
SIZE
B

7132-1283

10

9

8

7

6

5

4

3

2

1