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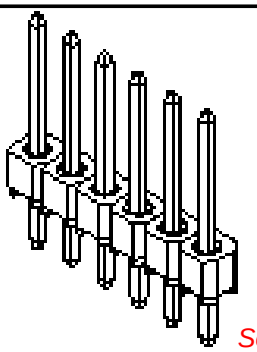
Part Number: 0906270136
Status: Active
Overview: cgrid_iii
Description: 2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, with Kinked PC Tail, 16 Circuits, Tin (Sn) Plating



Series image - Reference only

Documents:
3D Model
Drawing (PDF)
RoHS Certificate of Compliance (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

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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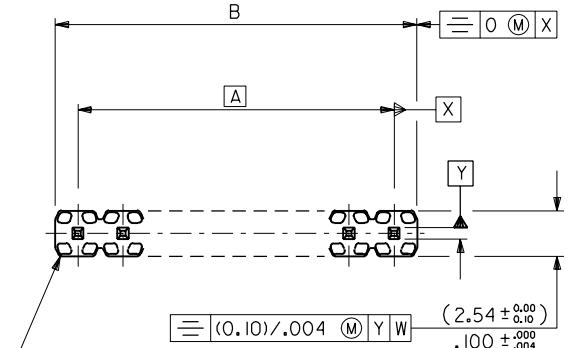
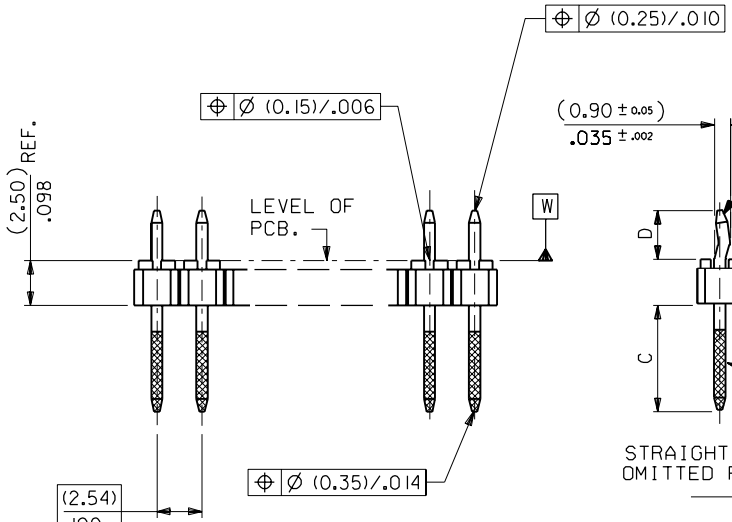
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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

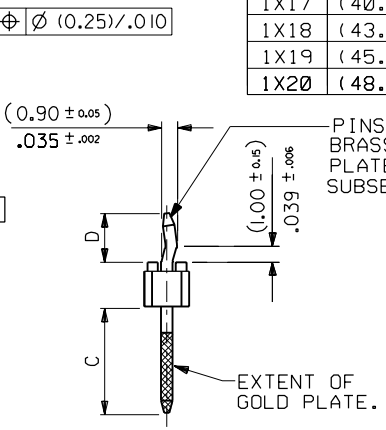


WAFER: 15% G.F. POLYESTER
TO UL 94V-0.
COLOUR : BLACK.

CKT SIZE	DIM. "A"	DIM. "B" (±0.20) ±.008	CKT SIZE	DIM. "A"	DIM. "B" (±0.20) ±.008
1X 1	———	(2.54) .100	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



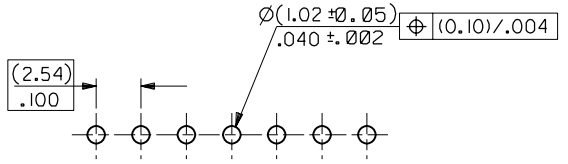
OPPOSING KINKS
VEIW SHOWS 1 X 2 CCT ONLY



STRAIGHT PINS
OMITTED FROM VIEW

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.

LTR	REVISIONS
B	NEW RELEASE ECN E00166 10 SEPTEMBER 1990 RD

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± ½°

	INCH	(METRIC)
3 PLACE	± .---	
2 PLACE	± .004	± .10
1 PLACE		± .25

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION (PRIMARY) ☒ (MM) ☐ IN.
EQUIVALENT DIMENSION (SECONDARY) ☐ (MM) ☒ IN.

DRWG BY: RD
CHK'D BY:
APP'D BY:
SCALE: 4:1

2	B
1	B

REVISE ONLY ON CAD SYSTEM — SH. REV.

CADCAM FILENAME SA90627X1 DCN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TITLE
C-GRID III SINGLE ROW KINKED PIN HEADER

MOLEX EUROPE

SHEET NO. 1OF2 DATE 90/11/28

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

7132-1283

PART NO. SEE CHART
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	噸
1 X 2	90628-0121	90628-0761	90628-0921	SEE NOTE 1
1 X 3	90627-0123	90627-0763	90627-0923	嗚
1 X 4	-0124	-0764	-0924	嗚
1 X 5	-0125	-0765	-0925	嗷
1 X 6	-0126	-0766	-0926	嗷
1 X 7	-0127	-0767	-0927	嘖
1 X 8	-0128	-0768	-0928	嘖
1 X 9	-0129	-0769	-0929	嘓
1 X 10	-0130	-0770	-0930	嘓
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

DIM C
(±0.25)
±.010
(6.75)
.266

DIM D
(±0.30)
±.012
(2.90)
.114

NOTES:

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

FOR PREVIOUS DRAWING ISSUES SEE MR1.

REVISIONS

LTR	
B	SEE SHEET 1.

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± ½°

	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.

DRWG BY: RD
CHK'D BY:
APP'D BY:
SCALE:

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM FILENAME SA90627X2 DGN

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TITLE
C-GRID III SINGLE ROW KINKED PIN HEADER

MOLEX EUROPE | SHEET NO. 20F | DATE 90/08/11

PART NO. SEE CHART | DWG NO. SDA-90627 | SIZE B

7132-1283