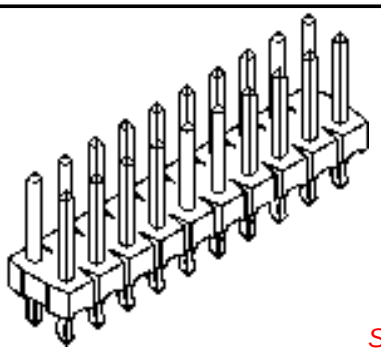
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0906280780
Status: Active
Overview: cgrid__sl_products
Description: 2.54mm (.100") Pitch C-Grid III™ Header, Dual Row, Vertical, with Kinked PC Tail, 80 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating
Replacement Part Number: 90131-0780



Series image - Reference only

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

General

Product Family	PCB Headers
Series	90628
Application	Wire-to-Board
Obsolete Date	2004/12/01
Overview	cgrid__sl_products
Product Name	C-Grid III™
Replacement Part Number	90131-0780

Physical

Breakaway	Yes
Circuits (Loaded)	80
Circuits (maximum)	80
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	2
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	Yes
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

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
90628Series

Electrical

Current - Maximum per Contact	3A
Voltage - Maximum	350V

Material Info

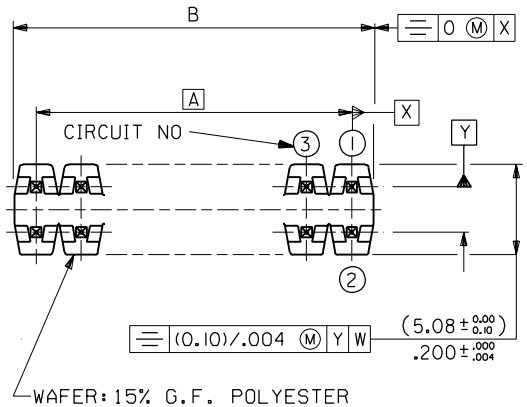
Reference - Drawing Numbers

Sales Drawing	SDA-90628

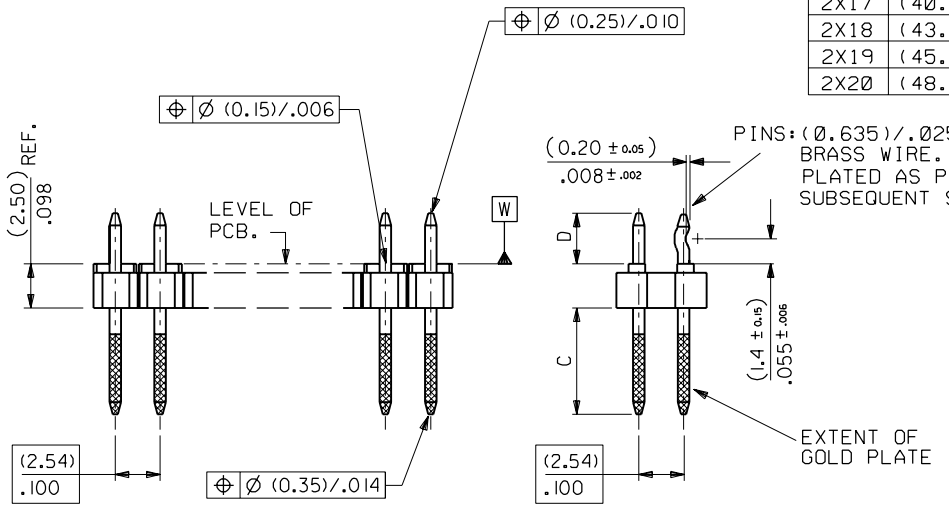
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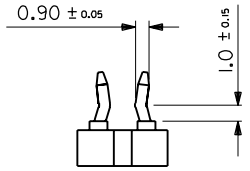
PART NO. SEE CHART
DWG. NO. SDA-90628



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

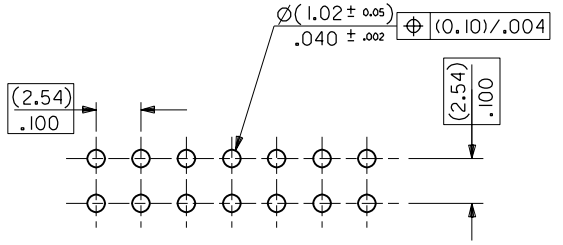


OPPOSING KINKS
VEIW SHOWS 2 X 1 CCT ONLY



STRAIGHT PINS
OMMITTED FROM VIEW

NOTES
1. FOR ASSY NUMBERS WITH FINISH OPTIONS AND DIMS 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 ECR E00166 11 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

SH.	REV.
2	B
1	B

REVISE ONLY ON CAD SYSTEM

CADCAM FILENAME SA90628X1 DCN

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

TITLE
C-GRID III DUAL ROW KINKED PIN HEADER

molex MOLEX EUROPE

SHEET NO. 1OF2
DATE 90/09/11
PART NO. SEE CHART
DWG NO. SDA-90628
SIZE B

7132-1283

PART NO. SEE CHART
DWG. NO. SDA-90628

CIRCUIT SIZE	PLATING TYPE A PART NO.	PLATING TYPE E PART NO.	PLATING TYPE F PART NO.	KINKED PIN POSITIONS
2 X 1	90628 -0121	90628 -0761	90628 -0921	1
2 X 2	-0122	-0762	-0922	1,3
2 X 3	-0123	-0763	-0923	1 & 5
2 X 4	-0124	-0764	-0924	3 & 5
2 X 5	-0125	-0765	-0925	3 & 7
2 X 6	-0126	-0766	-0926	5 & 7
2 X 7	-0127	-0767	-0927	5 & 9
2 X 8	-0128	-0768	-0928	7 & 9
2 X 9	-0129	-0769	-0929	7 & 11
2 X 10	-0130	-0770	-0930	9 & 11
2 X 11	-0131	-0771	-0931	1,11 & 21
2 X 12	-0132	-0772	-0932	1,12 & 23
2 X 13	-0133	-0773	-0933	1,13 & 25
2 X 14	-0134	-0774	-0934	1,15 & 27
2 X 15	-0135	-0775	-0935	1,15 & 29
2 X 16	-0136	-0776	-0936	1,15 & 31
2 X 17	-0137	-0777	-0937	1,17 & 33
2 X 18	-0138	-0778	-0938	1,17 & 35
2 X 19	-0139	-0779	-0939	1,19 & 37
2 X 20	-0140	-0780	-0940	1,19 & 39
2 X 21	-0141	-0781	-0941	1,21 & 41
2 X 22	-0142	-0782	-0942	1,21 & 43
2 X 23	-0143	-0783	-0943	1,23 & 45
2 X 24	-0144	-0784	-0944	1,23 & 47
2 X 25	-0145	-0785	-0945	1,25 & 49
2 X 26	-0146	-0786	-0946	1,25 & 51
2 X 27	-0147	-0787	-0947	1,27 & 53
2 X 28	-0148	-0788	-0948	1,27 & 55
2 X 29	-0149	-0789	-0949	1,29 & 57
2 X 30	-0150	-0790	-0950	1,29 & 59
2 X 31	-0151	-0791	-0951	1,31 & 61
2 X 32	-0152	-0792	-0952	1,31 & 63
2 X 33	-0153	-0793	-0953	1,33 & 65
2 X 34	-0154	-0794	-0954	1,33 & 67
2 X 35	-0155	-0795	-0955	1,35 & 69
2 X 36	-0156	-0796	-0956	1,35 & 71
2 X 37	-0157	-0797	-0957	1,37 & 73
2 X 38	-0158	-0798	-0958	1,37 & 75
2 X 39	-0159	-0799	-0959	1,39 & 77
2 X 40	90628 -0160	90628 -0800	90628 -0960	1,39 & 79

DIM C
(±0.25)
±.010
(6.75)
.266

DIM D
(±0.30)
±.012
(2.90)
.114

NOTES:

1. FOR PLATING VARIATIONS SEE ENG.STD. SDES-99000-0003.

FOR PREVIOUS DRAWING ISSUES SEE MRI.

LTR	REVISIONS
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 SA90628X2 DGN

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TITLE
C-GRID III DUAL ROW KINKED PIN HEADER

MOLEX EUROPE | SHEET NO. 20F | DATE 90/09/11

PART NO. SEE CHART | DWG NO. SDA-90628 | SIZE B

7132-1283