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Part Number:

0906270763

Status:

Active

Overview:

cgrid_iii

Description:

2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, with Kinked PC Tail, 3 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating

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)	3
Circuits (maximum)	3
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
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

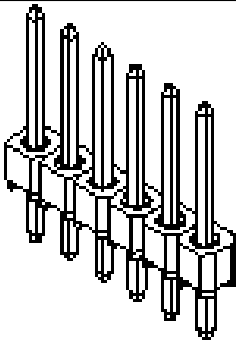
Electrical

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

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)
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Material Info



Series
image - Reference only

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

Reference - Drawing Numbers

Sales Drawing

SDA-90627

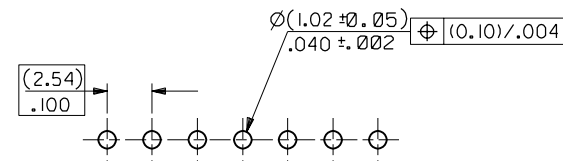
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CAD/CAM FILENAME SA90627X1 DGN		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
TITLE C-GRID III SINGLE ROW KINKED PIN HEADER			
 MOLEX EUROPE		SHEET NO. IOF2	DATE 90/11/28
PART NO. SEE CHART	DWG NO. SDA-90627	SIZE B	

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	

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



		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																					