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Part Number:

0901200122

Status:

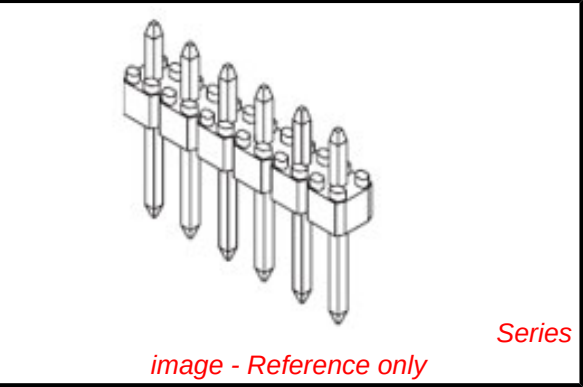
Active

Overview:

cgrid_iii

Description:

2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 2 Circuits, Tin (Sn) Plating



Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	PCB Headers
Series	90120
Application	Wire-to-Board
MolexKits	Yes
Overview	cgrid_iii
Product Name	C-Grid III™
Physical	
Breakaway	Yes
Circuits (Loaded)	2
Circuits (maximum)	2
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	None
Packaging Type	Bag
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Plating min: Mating (µin)	160
Plating min: Mating (µm)	4.00
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	
Duration at Max. Process Temperature (seconds)	10

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Halogen-Free

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

90120Series

Mates With

90147 C-Grid® PC Board Connector. 90123 C-Grid III™ Modular Crimp Housing

Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

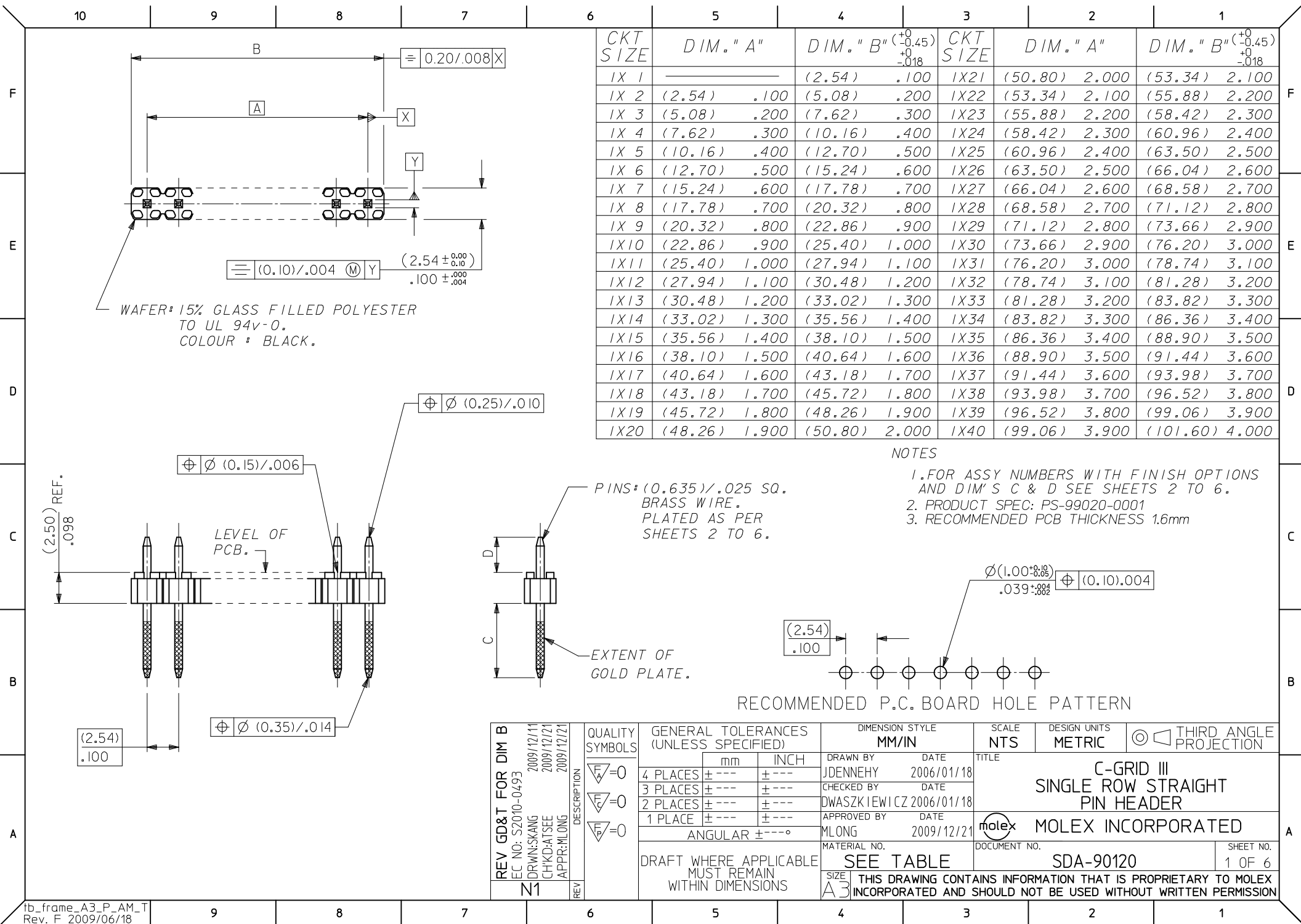
Material Info

Reference - Drawing Numbers

Sales Drawing	SDA-90120
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This document was generated on 06/08/2010

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	10	9	8	7	6	5	4	3	2	1	
F	CIRCUIT SIZE	PLATING TYPE A		PLATING TYPE E		PLATING TYPE F					
		PART NO.	CUSTOMER SPECIFIC PART NO.	PART NO.	CUSTOMER SPECIFIC PART NO.	PART NO.	CUSTOMER SPECIFIC PART NO.				
	I X 1	90120-0121	90120-9121	90120-0761	90120-9761	90120-0921	90120-9921				
	I X 2	▲ -0122	▲ -9122	▲ -0762	▲ -9762	▲ -0922	▲ -9922				
	I X 3	-0123	-9123	-0763	-9763	-0923	-9923				
	I X 4	-0124	-9124	-0764	-9764	-0924	-9924				
	I X 5	-0125	-9125	-0765	-9765	-0925	-9925				
	I X 6	-0126	-9126	-0766	-9766	-0926	-9926				
	I X 7	-0127	-9127	-0767	-9767	-0927	-9927				
	I X 8	-0128	-9128	-0768	-9768	-0928	-9928				
	I X 9	-0129	-9129	-0769	-9769	-0929	-9929				
E	I X 10	-0130	-9130	-0770	-9770	-0930	-9930				
	I X 11	-0131	-9131	-0771	-9771	-0931	-9931				
	I X 12	-0132	-9132	-0772	-9772	-0932	-9932				
	I X 13	-0133	-9133	-0773	-9773	-0933	-9933				
	I X 14	-0134	-9134	-0774	-9774	-0934	-9934				
	I X 15	-0135	-9135	-0775	-9775	-0935	-9935				
	I X 16	-0136	-9136	-0776	-9776	-0936	-9936				
	I X 17	-0137	-9137	-0777	-9777	-0937	-9937				
	I X 18	-0138	-9138	-0778	-9778	-0938	-9938				
	I X 19	-0139	-9139	-0779	-9779	-0939	-9939				
D	I X 20	-0140	-9140	-0780	-9780	-0940	-9940				
	I X 21	-0141	-9141	-0781	-9781	-0941	-9941				
	I X 22	-0142	-9142	-0782	-9782	-0942	-9942				
	I X 23	-0143	-9143	-0783	-9783	-0943	-9943				
	I X 24	-0144	-9144	-0784	-9784	-0944	-9944				
	I X 25	-0145	-9145	-0785	-9785	-0945	-9945				
	I X 26	-0146	-9146	-0786	-9786	-0946	-9946				
	I X 27	-0147	-9147	-0787	-9787	-0947	-9947				
	I X 28	-0148	-9148	-0788	-9788	-0948	-9948				
	I X 29	-0149	-9149	-0789	-9789	-0949	-9949				
C	I X 30	-0150	-9150	-0790	-9790	-0950	-9950				
	I X 31	-0151	-9151	-0791	-9791	-0951	-9951				
	I X 32	-0152	-9152	-0792	-9792	-0952	-9952				
	I X 33	-0153	-9153	-0793	-9793	-0953	-9953				
	I X 34	-0154	-9154	-0794	-9794	-0954	-9954				
	I X 35	-0155	-9155	-0795	-9795	-0955	-9955				
	I X 36	-0156	-9156	-0796	-9796	-0956	-9956				
	I X 37	-0157	-9157	-0797	-9797	-0957	-9957				
	I X 38	-0158	-9158	-0798	-9798	-0958	-9958				
	I X 39	▼ -0159	▼ -9159	▼ -0799	▼ -9799	▼ -0959	▼ -9959				
B	I X 40	90120-0160	90120-9160	90120-0800	90120-9800	90120-0960	90120-9960				
A	DIM C (±0.20) ±.008 (6.75) .266										
A	DIM D (±0.20 0.30) +.008 -.012 (2.90) .114										
NOTES: FOR PLATING VARIATIONS SEE ENG.STD. SDES-99000-0003.											
STANDARD PRODUCTS											
REV GD&T FOR DIM B EC NO: S2010-0493 DRWN:SKANG 2009/12/11 CHKD:ATSEE 2009/12/21 APPR:MLONG 2009/12/21											
QUALITY SYMBOLS F=0 F=0 F=0											
GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
DIMENSION STYLE MM/IN DRAWN BY DATE JDENNEHY 2006/01/18 CHECKED BY DATE DWASZKIEWICZ 2006/01/18 APPROVED BY DATE MLONG 2009/12/21											
SCALE NTS DESIGN UNITS METRIC THIRD ANGLE PROJECTION											
C-GRID III SINGLE ROW STRAIGHT PIN HEADER											
molex MOLEX INCORPORATED											
MATERIAL NO. SEE TABLE DOCUMENT NO. SDA-90120 SHEET NO. 2 OF 6											
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
tb_frame_A3_P_AM.T Rev. F 2009/06/18											

[illegible]

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