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Part Number:

0901200320

Status:

Active

Overview:

cgrid_iii

Description:

2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 40 Circuits, Gold (Au) Plating

Documents:

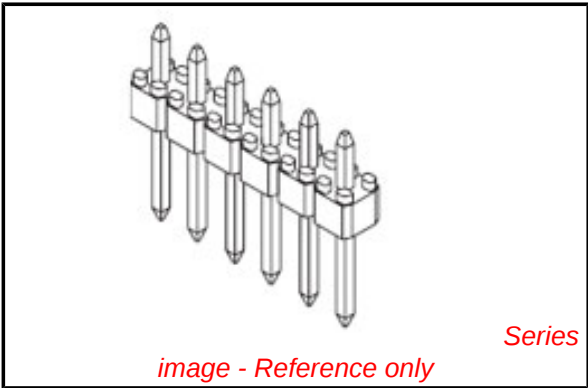
Drawing (PDF)

Product Specification PS-99020-0001 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Headers
Series	90120
Application	Wire-to-Board
Overview	cgrid_iii
Product Name	C-Grid III™
Physical	
Breakaway	Yes
Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	Black
Durability (mating cycles max)	200
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 - 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
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole

Electrical	
Current - Maximum per Contact	3A
Voltage - Maximum	350V AC/DC



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

90120Series

Mates With

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

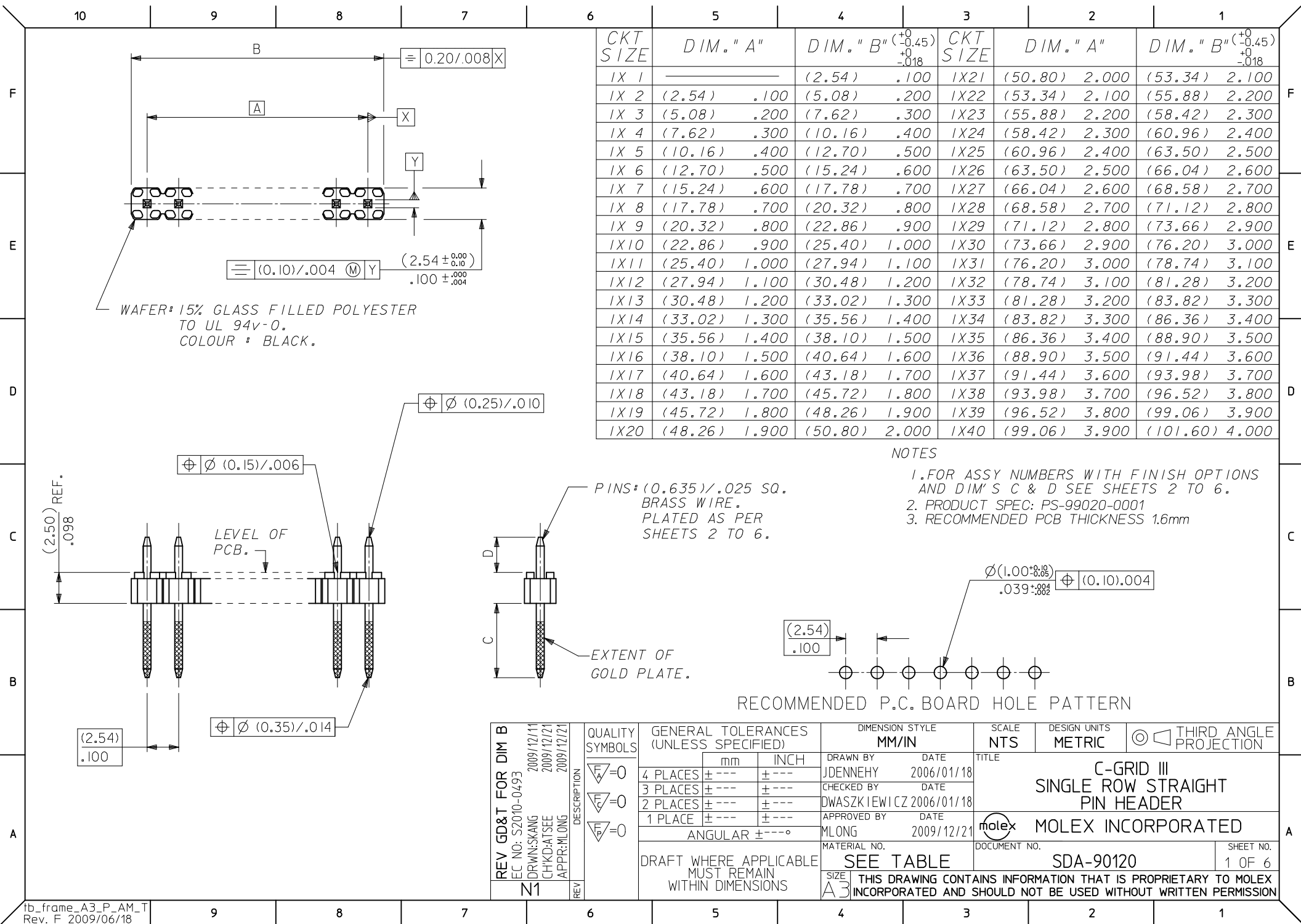
Material Info

Reference - Drawing Numbers

Product Specification	PS-99020-0001
Sales Drawing	SDA-90120

This document was generated on 05/26/2010

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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	DIM C (+0.20/-0.008) (6.75) .266	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				
		I X 20	-0140	-9140	-0780	-9780	-0940	-9940				
		I X 21	-0141	-9141	-0781	-9781	-0941	-9941				
D	DIM D (+0.20/-0.30) ±.008 (2.90) .114	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				
		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				
C		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				
		I X 40	90120-0160	90120-9160	90120-0800	90120-9800	90120-0960	90120-9960				
		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 _A =0 F _C =0 F _P =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 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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		I X 4	▲ -0124	▲ -9124	▲ -0764	▲ -9764	▲ -0924	▲ -9924												
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