

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0901200140](#)
Status: **Active**
Overview: [cgrid_iii](#)
Description: 2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 20 Circuits, Tin (Sn) Plating

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

General

Product Family	PCB Headers
Series	90120
Application	Wire-to-Board
Overview	cgrid_iii
Product Name	C-Grid III™

Physical

Breakaway	Yes
Circuits (Loaded)	20
Circuits (maximum)	20
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)	5
Lead-free Process Capability	Wave Capable (TH only)



image - Reference only

Series

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](#)

Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

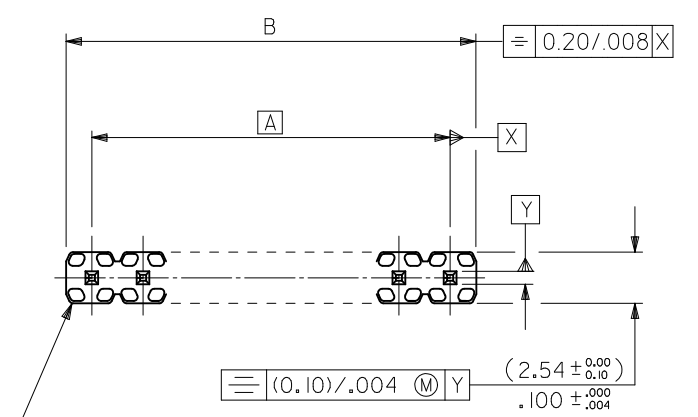
Reference - Drawing Numbers

Sales Drawing	SDA-90120
---------------	-----------

This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

10 9 8 7 6 5 4 3 2 1

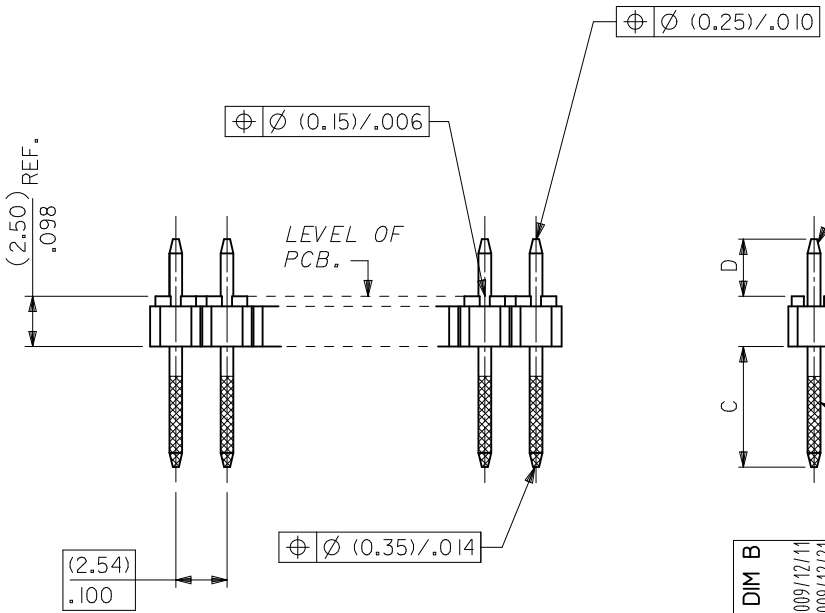


WAFER: 15% GLASS FILLED POLYESTER
TO UL 94V-0.
COLOUR: BLACK.

CKT SIZE	DIM. "A"		DIM. "B" ^(+0.45) _(-0.18)		CKT SIZE	DIM. "A"		DIM. "B" ^(+0.45) _(-0.18)	
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
1X 10	(22.86)	.900	(25.40)	1.000	1X30	(73.66)	2.900	(76.20)	3.000
1X 11	(25.40)	1.000	(27.94)	1.100	1X31	(76.20)	3.000	(78.74)	3.100
1X 12	(27.94)	1.100	(30.48)	1.200	1X32	(78.74)	3.100	(81.28)	3.200
1X 13	(30.48)	1.200	(33.02)	1.300	1X33	(81.28)	3.200	(83.82)	3.300
1X 14	(33.02)	1.300	(35.56)	1.400	1X34	(83.82)	3.300	(86.36)	3.400
1X 15	(35.56)	1.400	(38.10)	1.500	1X35	(86.36)	3.400	(88.90)	3.500
1X 16	(38.10)	1.500	(40.64)	1.600	1X36	(88.90)	3.500	(91.44)	3.600
1X 17	(40.64)	1.600	(43.18)	1.700	1X37	(91.44)	3.600	(93.98)	3.700
1X 18	(43.18)	1.700	(45.72)	1.800	1X38	(93.98)	3.700	(96.52)	3.800
1X 19	(45.72)	1.800	(48.26)	1.900	1X39	(96.52)	3.800	(99.06)	3.900
1X 20	(48.26)	1.900	(50.80)	2.000	1X40	(99.06)	3.900	(101.60)	4.000

NOTES

- FOR ASSY NUMBERS WITH FINISH OPTIONS AND DIM'S C & D SEE SHEETS 2 TO 6.
- PRODUCT SPEC: PS-99020-0001
- RECOMMENDED PCB THICKNESS 1.6mm



PINS: (0.635) / .025 SQ. BRASS WIRE.
PLATED AS PER SHEETS 2 TO 6.

EXTENT OF GOLD PLATE.



RECOMMENDED P.C. BOARD HOLE PATTERN

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 $\nabla \text{ F}_A = 0$ $\nabla \text{ F}_C = 0$ $\nabla \text{ F}_D = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		mm	INCH	MM/IN		NTS	METRIC			
		4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE			
		3 PLACES	± ---	± ---	JDENNEHY	2006/01/18	C-GRID III SINGLE ROW STRAIGHT PIN HEADER MOLEX INCORPORATED			
2 PLACES	± ---	± ---	CHECKED BY	DATE						
1 PLACE	± ---	± ---	DWASZKIEWICZ	2006/01/18	APPROVED BY		DATE	MATERIAL NO. SEE TABLE DOCUMENT NO. SDA-90120 SHEET NO. 1 OF 6		
ANGULAR ± ---°		DRAWN BY		DATE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWN BY		DATE						

9 8 7 6 5 4 3 2 1

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.
1 X 1	90120-0121	90120-9121	90120-0761	90120-9761	90120-0921	90120-9921
1 X 2	▲ -0122	▲ -9122	▲ -0762	▲ -9762	▲ -0922	▲ -9922
1 X 3	-0123	-9123	-0763	-9763	-0923	-9923
1 X 4	-0124	-9124	-0764	-9764	-0924	-9924
1 X 5	-0125	-9125	-0765	-9765	-0925	-9925
1 X 6	-0126	-9126	-0766	-9766	-0926	-9926
1 X 7	-0127	-9127	-0767	-9767	-0927	-9927
1 X 8	-0128	-9128	-0768	-9768	-0928	-9928
1 X 9	-0129	-9129	-0769	-9769	-0929	-9929
1 X 10	-0130	-9130	-0770	-9770	-0930	-9930
1 X 11	-0131	-9131	-0771	-9771	-0931	-9931
1 X 12	-0132	-9132	-0772	-9772	-0932	-9932
1 X 13	-0133	-9133	-0773	-9773	-0933	-9933
1 X 14	-0134	-9134	-0774	-9774	-0934	-9934
1 X 15	-0135	-9135	-0775	-9775	-0935	-9935
1 X 16	-0136	-9136	-0776	-9776	-0936	-9936
1 X 17	-0137	-9137	-0777	-9777	-0937	-9937
1 X 18	-0138	-9138	-0778	-9778	-0938	-9938
1 X 19	-0139	-9139	-0779	-9779	-0939	-9939
1 X 20	-0140	-9140	-0780	-9780	-0940	-9940
1 X 21	-0141	-9141	-0781	-9781	-0941	-9941
1 X 22	-0142	-9142	-0782	-9782	-0942	-9942
1 X 23	-0143	-9143	-0783	-9783	-0943	-9943
1 X 24	-0144	-9144	-0784	-9784	-0944	-9944
1 X 25	-0145	-9145	-0785	-9785	-0945	-9945
1 X 26	-0146	-9146	-0786	-9786	-0946	-9946
1 X 27	-0147	-9147	-0787	-9787	-0947	-9947
1 X 28	-0148	-9148	-0788	-9788	-0948	-9948
1 X 29	-0149	-9149	-0789	-9789	-0949	-9949
1 X 30	-0150	-9150	-0790	-9790	-0950	-9950
1 X 31	-0151	-9151	-0791	-9791	-0951	-9951
1 X 32	-0152	-9152	-0792	-9792	-0952	-9952
1 X 33	-0153	-9153	-0793	-9793	-0953	-9953
1 X 34	-0154	-9154	-0794	-9794	-0954	-9954
1 X 35	-0155	-9155	-0795	-9795	-0955	-9955
1 X 36	-0156	-9156	-0796	-9796	-0956	-9956
1 X 37	-0157	-9157	-0797	-9797	-0957	-9957
1 X 38	-0158	-9158	-0798	-9798	-0958	-9958
1 X 39	▼ -0159	▼ -9159	▼ -0799	▼ -9799	▼ -0959	▼ -9959
1 X 40	90120-0160	90120-9160	90120-0800	90120-9800	90120-0960	90120-9960

DIM C (+0.20/-0.008) (6.75) .266

DIM D (+0.20/-0.30) (+0.008/-0.012) (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_A=0
F_E=0
F_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 JDENNEHY DATE 2006/01/18
CHECKED BY DWASZKIEWICZ DATE 2006/01/18
APPROVED BY MLONG DATE 2009/12/21
MATERIAL NO. SEE TABLE
SIZE A3

SCALE NTS
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION

TITLE
C-GRID III
SINGLE ROW STRAIGHT
PIN HEADER
MOLEX INCORPORATED
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

CIRCUIT SIZE	PLATING TYPE A PART NO.	PLATING TYPE E PART NO.	PLATING TYPE F PART NO.
1 X 1	90120-0041	90120-0681	90120-0841
1 X 2	▲ -0042	▲ -0682	▲ -0842
1 X 3	-0043	-0683	-0843
1 X 4	-0044	-0684	-0844
1 X 5	-0045	-0685	-0845
1 X 6	-0046	-0686	-0846
1 X 7	-0047	-0687	-0847
1 X 8	-0048	-0688	-0848
1 X 9	-0049	-0689	-0849
1 X 10	-0050	-0690	-0850
1 X 11	-0051	-0691	-0851
1 X 12	-0052	-0692	-0852
1 X 13	-0053	-0693	-0853
1 X 14	-0054	-0694	-0854
1 X 15	-0055	-0695	-0855
1 X 16	-0056	-0696	-0856
1 X 17	-0057	-0697	-0857
1 X 18	-0058	-0698	-0858
1 X 19	-0059	-0699	-0859
1 X 20	-0060	-0700	-0860
1 X 21	-0061	-0701	-0861
1 X 22	-0062	-0702	-0862
1 X 23	-0063	-0703	-0863
1 X 24	-0064	-0704	-0864
1 X 25	-0065	-0705	-0865
1 X 26	-0066	-0706	-0866
1 X 27	-0067	-0707	-0867
1 X 28	-0068	-0708	-0868
1 X 29	-0069	-0709	-0869
1 X 30	-0070	-0710	-0870
1 X 31	-0071	-0711	-0871
1 X 32	-0072	-0712	-0872
1 X 33	-0073	-0713	-0873
1 X 34	-0074	-0714	-0874
1 X 35	-0075	-0715	-0875
1 X 36	-0076	-0716	-0876
1 X 37	-0077	-0717	-0877
1 X 38	-0078	-0718	-0878
1 X 39	▼ -0079	▼ -0719	▼ -0879
1 X 40	90120-0080	90120-0720	90120-0880

DIM
C (±0.20)
±.008
(5.75)
.226

DIM
D (±0.20)
±0.30
±.008
±.012
(2.90)
.114

CIRCUIT SIZE	PLATING TYPE A PART NO.	PLATING TYPE E PART NO.	PLATING TYPE F PART NO.
1 X 1	90120-0081	90120-0721	90120-0881
1 X 2	▲ -0082	▲ -0722	▲ -0882
1 X 3	-0083	-0723	-0883
1 X 4	-0084	-0724	-0884
1 X 5	-0085	-0725	-0885
1 X 6	-0086	-0726	-0886
1 X 7	-0087	-0727	-0887
1 X 8	-0088	-0728	-0888
1 X 9	-0089	-0729	-0889
1 X 10	-0090	-0730	-0890
1 X 11	-0091	-0731	-0891
1 X 12	-0092	-0732	-0892
1 X 13	-0093	-0733	-0893
1 X 14	-0094	-0734	-0894
1 X 15	-0095	-0735	-0895
1 X 16	-0096	-0736	-0896
1 X 17	-0097	-0737	-0897
1 X 18	-0098	-0738	-0898
1 X 19	-0099	-0739	-0899
1 X 20	-0100	-0740	-0900
1 X 21	-0101	-0741	-0901
1 X 22	-0102	-0742	-0902
1 X 23	-0103	-0743	-0903
1 X 24	-0104	-0744	-0904
1 X 25	-0105	-0745	-0905
1 X 26	-0106	-0746	-0906
1 X 27	-0107	-0747	-0907
1 X 28	-0108	-0748	-0908
1 X 29	-0109	-0749	-0909
1 X 30	-0110	-0750	-0910
1 X 31	-0111	-0751	-0911
1 X 32	-0112	-0752	-0912
1 X 33	-0113	-0753	-0913
1 X 34	-0114	-0754	-0914
1 X 35	-0115	-0755	-0915
1 X 36	-0116	-0756	-0916
1 X 37	-0117	-0757	-0917
1 X 38	-0118	-0758	-0918
1 X 39	▼ -0119	▼ -0759	▼ -0919
1 X 40	90120-0120	90120-0760	90120-0920

DIM
C (±0.20)
±.008
(5.75)
.226

DIM
D (±0.25)
±.010
(4.50)
.177

NOTES:
FOR PLATING VARIATIONS SEE
ENG.STD. SDES-99000-0003.

NON-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	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla_A = 0$ $\nabla_C = 0$ $\nabla_F = 0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	MM/IN	NTS	METRIC	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY JDENNEHY	DATE 2006/01/18	TITLE C-GRID III SINGLE ROW STRAIGHT PIN HEADER	
			CHECKED BY DWASZKIEWICZ	DATE 2006/01/18	APPROVED BY MLONG	DATE 2009/12/21
			SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

CIRCUIT SIZE	PLATING TYPE A PART NO.	PLATING TYPE E PART NO.	PLATING TYPE F PART NO.
1 X 1	90120-0161	90120-0801	90120-0961
1 X 2	▲ -0162	▲ -0802	▲ -0962
1 X 3	-0163	-0803	-0963
1 X 4	-0164	-0804	-0964
1 X 5	-0165	-0805	-0965
1 X 6	-0166	-0806	-0966
1 X 7	-0167	-0807	-0967
1 X 8	-0168	-0808	-0968
1 X 9	-0169	-0809	-0969
1 X 10	-0170	-0810	-0970
1 X 11	-0171	-0811	-0971
1 X 12	-0172	-0812	-0972
1 X 13	-0173	-0813	-0973
1 X 14	-0174	-0814	-0974
1 X 15	-0175	-0815	-0975
1 X 16	-0176	-0816	-0976
1 X 17	-0177	-0817	-0977
1 X 18	-0178	-0818	-0978
1 X 19	-0179	-0819	-0979
1 X 20	-0180	-0820	-0980
1 X 21	-0181	-0821	-0981
1 X 22	-0182	-0822	-0982
1 X 23	-0183	-0823	-0983
1 X 24	-0184	-0824	-0984
1 X 25	-0185	-0825	-0985
1 X 26	-0186	-0826	-0986
1 X 27	-0187	-0827	-0987
1 X 28	-0188	-0828	-0988
1 X 29	-0189	-0829	-0989
1 X 30	-0190	-0830	-0990
1 X 31	-0191	-0831	-0991
1 X 32	-0192	-0832	-0992
1 X 33	-0193	-0833	-0993
1 X 34	-0194	-0834	-0994
1 X 35	-0195	-0835	-0995
1 X 36	-0196	-0836	-0996
1 X 37	-0197	-0837	-0997
1 X 38	-0198	-0838	-0998
1 X 39	▼ -0199	▼ -0839	▼ -0999
1 X 40	90120-0200	90120-0840	90120-1000

DIM C
(±0.20)
±.008
(6.75)
.266

DIM D
(±0.25)
±.010
(4.50)
.177

NOTES:
FOR PLATING VARIATIONS SEE
ENG.STD. SDES-99000-0003.

NON-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 ▽ _A =0 ▽ _B =0 ▽ _C =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN	SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY JDENNEHY	DATE 2006/01/18	TITLE C-GRID III SINGLE ROW STRAIGHT PIN HEADER	
N1	DESCRIPTION	4 PLACES	± ---	± ---	CHECKED BY DWASZKIEWICZ	DATE 2006/01/18	MOLEX INCORPORATED
		3 PLACES	± ---	± ---	APPROVED BY MLONG	DATE 2009/12/21	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SHEET NO. 4 OF 6			
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

	10	9	8	7	6	5	4	3	2	1		
F	CIRCUIT SIZE	PLATING TYPE B PART NO.	PLATING TYPE C PART NO.	PLATING TYPE D PART NO.	PLATING TYPE G PART NO.	CIRCUIT SIZE	PLATING TYPE G PART NO.	PLATING TYPE B PART NO.	PLATING TYPE C PART NO.	PLATING TYPE D PART NO.	F	
		90120-0281	90120-0441	90120-0601	90120-1081		90120-1001	90120-0201	90120-0361	90120-0521		
		1 X 1	▲ -0282	▲ -0442	▲ -0602		▲ -1082	▲ -1002	▲ -0202	▲ -0362		▲ -0522
		1 X 2	-0283	-0443	-0603		-1083	-1003	-0203	-0363		-0523
		1 X 3	-0284	-0444	-0604		-1084	-1004	-0204	-0364		-0524
		1 X 4	-0285	-0445	-0605		-1085	-1005	-0205	-0365		-0525
		1 X 5	-0286	-0446	-0606		-1086	-1006	-0206	-0366		-0526
		1 X 6	-0287	-0447	-0607		-1087	-1007	-0207	-0367		-0527
		1 X 7	-0288	-0448	-0608		-1088	-1008	-0208	-0368		-0528
		1 X 8	-0289	-0449	-0609		-1089	-1009	-0209	-0369		-0529
		1 X 9	-0290	-0450	-0610		-1090	-1010	-0210	-0370		-0530
		1 X 10	-0291	-0451	-0611		-1091	-1011	-0211	-0371		-0531
		1 X 11	-0292	-0452	-0612		-1092	-1012	-0212	-0372		-0532
		1 X 12	-0293	-0453	-0613		-1093	-1013	-0213	-0373		-0533
		1 X 13	-0294	-0454	-0614		-1094	-1014	-0214	-0374		-0534
		1 X 14	-0295	-0455	-0615		-1095	-1015	-0215	-0375		-0535
		1 X 15	-0296	-0456	-0616		-1096	-1016	-0216	-0376		-0536
		1 X 16	-0297	-0457	-0617		-1097	-1017	-0217	-0377		-0537
		1 X 17	-0298	-0458	-0618		-1098	-1018	-0218	-0378		-0538
		1 X 18	-0299	-0459	-0619		-1099	-1019	-0219	-0379		-0539
		1 X 19	-0300	-0460	-0620		-1100	-1020	-0220	-0380		-0540
		1 X 20	-0301	-0461	-0621		-1101	-1021	-0221	-0381		-0541
		1 X 21	-0302	-0462	-0622		-1102	-1022	-0222	-0382		-0542
		1 X 22	-0303	-0463	-0623		-1103	-1023	-0223	-0383		-0543
		1 X 23	-0304	-0464	-0624		-1104	-1024	-0224	-0384		-0544
		1 X 24	-0305	-0465	-0625		-1105	-1025	-0225	-0385		-0545
		1 X 25	-0306	-0466	-0626		-1106	-1026	-0226	-0386		-0546
		1 X 26	-0307	-0467	-0627		-1107	-1027	-0227	-0387		-0547
		1 X 27	-0308	-0468	-0628		-1108	-1028	-0228	-0388		-0548
		1 X 28	-0309	-0469	-0629		-1109	-1029	-0229	-0389		-0549
		1 X 29	-0310	-0470	-0630		-1110	-1030	-0230	-0390		-0550
		1 X 30	-0311	-0471	-0631		-1111	-1031	-0231	-0391		-0551
		1 X 31	-0312	-0472	-0632		-1112	-1032	-0232	-0392		-0552
		1 X 32	-0313	-0473	-0633		-1113	-1033	-0233	-0393		-0553
		1 X 33	-0314	-0474	-0634		-1114	-1034	-0234	-0394		-0554
		1 X 34	-0315	-0475	-0635		-1115	-1035	-0235	-0395		-0555
		1 X 35	-0316	-0476	-0636		-1116	-1036	-0236	-0396		-0556
		1 X 36	-0317	-0477	-0637		-1117	-1037	-0237	-0397		-0557
		1 X 37	-0318	-0478	-0638		-1118	-1038	-0238	-0398		-0558
		1 X 38	-0319	-0479	-0639		-1119	-1039	-0239	-0399		-0559
1 X 39	90120-0320	90120-0480	90120-0640	90120-1120	90120-1040	90120-0240	90120-0400	90120-0560				
1 X 40												

DIM
C (±0.20)
±.008
(6.75)
.266

DIM
D (±0.20)
±.008
(2.90)
.114

DIM
C (±0.20)
±.008
(5.75)
.226

DIM
D (±0.20)
±.008
(2.90)
.114

NOTES:
FOR PLATING VARIATIONS SEE
ENG.STD. SDES-99000-0003.

**NON-STANDARD PRODUCTS
NOT FOR GENERAL RELEASE**

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
▽_A=0
▽_B=0
▽_C=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
JDENNEHY

DATE
2006/01/18

CHECKED BY
DWASZKIEWICZ

DATE
2006/01/18

APPROVED BY
MLONG

DATE
2009/12/21

MATERIAL NO.
SEE TABLE

SIZE
A3

SCALE
NTS

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

C-GRID III
SINGLE ROW STRAIGHT
PIN HEADER

MOLEX INCORPORATED

DOCUMENT NO.
SDA-90120

SHEET NO.
5 OF 6

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

	10	9	8	7	6	5	4	3	2	1		
		CIRCUIT SIZE	PLATING TYPE B PART NO.	PLATING TYPE C PART NO.	PLATING TYPE D PART NO.	PLATING TYPE G PART NO.		CIRCUIT SIZE	PLATING TYPE B PART NO.	PLATING TYPE C PART NO.	PLATING TYPE D PART NO.	PLATING TYPE G PART NO.
		I X 1	90120-0241	90120-0401	90120-0561	90120-1041		I X 1	90120-0321	90120-0481	90120-0641	90120-1121
		I X 2	▲ -0242	▲ -0402	▲ -0562	▲ -1042		I X 2	▲ -0322	▲ -0482	▲ -0642	▲ -1122
		I X 3	-0243	-0403	-0563	-1043		I X 3	-0323	-0483	-0643	-1123
		I X 4	-0244	-0404	-0564	-1044		I X 4	-0324	-0484	-0644	-1124
		I X 5	-0245	-0405	-0565	-1045		I X 5	-0325	-0485	-0645	-1125
		I X 6	-0246	-0406	-0566	-1046		I X 6	-0326	-0486	-0646	-1126
		I X 7	-0247	-0407	-0567	-1047		I X 7	-0327	-0487	-0647	-1127
		I X 8	-0248	-0408	-0568	-1048		I X 8	-0328	-0488	-0648	-1128
		I X 9	-0249	-0409	-0569	-1049		I X 9	-0329	-0489	-0649	-1129
		I X 10	-0250	-0410	-0570	-1050		I X 10	-0330	-0490	-0650	-1130
		I X 11	-0251	-0411	-0571	-1051		I X 11	-0331	-0491	-0651	-1131
		I X 12	-0252	-0412	-0572	-1052		I X 12	-0332	-0492	-0652	-1132
		I X 13	-0253	-0413	-0573	-1053		I X 13	-0333	-0493	-0653	-1133
		I X 14	-0254	-0414	-0574	-1054		I X 14	-0334	-0494	-0654	-1134
		I X 15	-0255	-0415	-0575	-1055		I X 15	-0335	-0495	-0655	-1135
		I X 16	-0256	-0416	-0576	-1056		I X 16	-0336	-0496	-0656	-1136
		I X 17	-0257	-0417	-0577	-1057		I X 17	-0337	-0497	-0657	-1137
		I X 18	-0258	-0418	-0578	-1058		I X 18	-0338	-0498	-0658	-1138
		I X 19	-0259	-0419	-0579	-1059		I X 19	-0339	-0499	-0659	-1139
		I X 20	-0260	-0420	-0580	-1060		I X 20	-0340	-0500	-0660	-1140
		I X 21	-0261	-0421	-0581	-1061		I X 21	-0341	-0501	-0661	-1141
		I X 22	-0262	-0422	-0582	-1062		I X 22	-0342	-0502	-0662	-1142
		I X 23	-0263	-0423	-0583	-1063		I X 23	-0343	-0503	-0663	-1143
		I X 24	-0264	-0424	-0584	-1064		I X 24	-0344	-0504	-0664	-1144
		I X 25	-0265	-0425	-0585	-1065		I X 25	-0345	-0505	-0665	-1145
		I X 26	-0266	-0426	-0586	-1066		I X 26	-0346	-0506	-0666	-1146
		I X 27	-0267	-0427	-0587	-1067		I X 27	-0347	-0507	-0667	-1147
		I X 28	-0268	-0428	-0588	-1068		I X 28	-0348	-0508	-0668	-1148
		I X 29	-0269	-0429	-0589	-1069		I X 29	-0349	-0509	-0669	-1149
		I X 30	-0270	-0430	-0590	-1070		I X 30	-0350	-0510	-0670	-1150
		I X 31	-0271	-0431	-0591	-1071		I X 31	-0351	-0511	-0671	-1151
		I X 32	-0272	-0432	-0592	-1072		I X 32	-0352	-0512	-0672	-1152
		I X 33	-0273	-0433	-0593	-1073		I X 33	-0353	-0513	-0673	-1153
		I X 34	-0274	-0434	-0594	-1074		I X 34	-0354	-0514	-0674	-1154
		I X 35	-0275	-0435	-0595	-1075		I X 35	-0355	-0515	-0675	-1155
		I X 36	-0276	-0436	-0596	-1076		I X 36	-0356	-0516	-0676	-1156
		I X 37	-0277	-0437	-0597	-1077		I X 37	-0357	-0517	-0677	-1157
		I X 38	-0278	-0438	-0598	-1078		I X 38	-0358	-0518	-0678	-1158
		I X 39	▼ -0279	▼ -0439	▼ -0599	▼ -1079		I X 39	▼ -0359	▼ -0519	▼ -0679	▼ -1159
		I X 40	90120-0280	90120-0440	90120-0600	90120-1080		I X 40	90120-0360	90120-0520	90120-0680	90120-1160

DIM C (+0.20) ±.008 (5.75) .226

DIM D (+0.25) ±.010 (4.50) .177

DIM C (+0.20) ±.008 (6.75) .266

DIM D (+0.25) ±.010 (4.50) .177

NOTES:
FOR PLATING VARIATIONS SEE
ENG.STD. SDES-99000-0003.

**NON-STANDARD PRODUCTS
NOT FOR GENERAL RELEASE**

REV GD&T FOR DIM B	DESCRIPTION
EC NO: S2010-0493	2009/12/11
DRWN:SKANG	2009/12/11
CHKD:ATSEE	2009/12/11
APPR:MLONG	2009/12/11
N1	REV

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
▽ _A =0	mm INCH
▽ _B =0	4 PLACES ± --- ± ---
▽ _C =0	3 PLACES ± --- ± ---
▽ _D =0	2 PLACES ± --- ± ---
	1 PLACE ± --- ± ---
	ANGULAR ± ---°
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM/IN		NTS	METRIC	
DRAWN BY	DATE	TITLE		
JDENNEHY	2006/01/18	C-GRID III SINGLE ROW STRAIGHT PIN HEADER		
CHECKED BY	DATE	MOLEX INCORPORATED		
DWASZKIEWICZ	2006/01/18	MATERIAL NO. SDA-90120		
APPROVED BY	DATE	SHEET NO. 6 OF 6		
MLONG	2009/12/21	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
SIZE	SEE TABLE			
A3				

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.
1 X 1	90120-0121	90120-9121	90120-0761	90120-9761	90120-0921	90120-9921
1 X 2	↑ -0122	↑ -9122	↑ -0762	↑ -9762	↑ -0922	↑ -9922
1 X 3	-0123	-9123	-0763	-9763	-0923	-9923
1 X 4	-0124	-9124	-0764	-9764	-0924	-9924
1 X 5	-0125	-9125	-0765	-9765	-0925	-9925
1 X 6	-0126	-9126	-0766	-9766	-0926	-9926
1 X 7	-0127	-9127	-0767	-9767	-0927	-9927
1 X 8	-0128	-9128	-0768	-9768	-0928	-9928
1 X 9	-0129	-9129	-0769	-9769	-0929	-9929
1 X 10	-0130	-9130	-0770	-9770	-0930	-9930
1 X 11	-0131	-9131	-0771	-9771	-0931	-9931
1 X 12	-0132	-9132	-0772	-9772	-0932	-9932
1 X 13	-0133	-9133	-0773	-9773	-0933	-9933
1 X 14	-0134	-9134	-0774	-9774	-0934	-9934
1 X 15	-0135	-9135	-0775	-9775	-0935	-9935
1 X 16	-0136	-9136	-0776	-9776	-0936	-9936
1 X 17	-0137	-9137	-0777	-9777	-0937	-9937
1 X 18	-0138	-9138	-0778	-9778	-0938	-9938
1 X 19	-0139	-9139	-0779	-9779	-0939	-9939
1 X 20	-0140	-9140	-0780	-9780	-0940	-9940
1 X 21	-0141	-9141	-0781	-9781	-0941	-9941
1 X 22	-0142	-9142	-0782	-9782	-0942	-9942
1 X 23	-0143	-9143	-0783	-9783	-0943	-9943
1 X 24	-0144	-9144	-0784	-9784	-0944	-9944
1 X 25	-0145	-9145	-0785	-9785	-0945	-9945
1 X 26	-0146	-9146	-0786	-9786	-0946	-9946
1 X 27	-0147	-9147	-0787	-9787	-0947	-9947
1 X 28	-0148	-9148	-0788	-9788	-0948	-9948
1 X 29	-0149	-9149	-0789	-9789	-0949	-9949
1 X 30	-0150	-9150	-0790	-9790	-0950	-9950
1 X 31	-0151	-9151	-0791	-9791	-0951	-9951
1 X 32	-0152	-9152	-0792	-9792	-0952	-9952
1 X 33	-0153	-9153	-0793	-9793	-0953	-9953
1 X 34	-0154	-9154	-0794	-9794	-0954	-9954
1 X 35	-0155	-9155	-0795	-9795	-0955	-9955
1 X 36	-0156	-9156	-0796	-9796	-0956	-9956
1 X 37	-0157	-9157	-0797	-9797	-0957	-9957
1 X 38	-0158	-9158	-0798	-9798	-0958	-9958
1 X 39	↓ -0159	↓ -9159	↓ -0799	↓ -9799	↓ -0959	↓ -9959
1 X 40	90120-0160	90120-9160	90120-0800	90120-9800	90120-0960	90120-9960

DIM C (+0.20) ±.008 (6.75) .266

DIM D (+0.20) (+0.30) ±.008 (+0.12) (2.90) .114

NOTES:
FOR PLATING VARIATIONS SEE
ENG.STD. SDES-99000-0003.

STANDARD PRODUCTS

PART NO'S ADDED
EC NO: E2006-0667
DRWN: DENNEHY 2006/01/23
CHKD: DWASZKIEWICZ 2006/01/23
APPR: DENNEHY 2006/02/07

QUALITY SYMBOLS
▽=0
▽=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 ONLY

DRAWN BY	DATE
JDENNEHY	2006/01/18
CHECKED BY	DATE
DWASZKIEWICZ	2006/01/18
APPROVED BY	DATE
JDENNEHY	2006/01/18
MATERIAL NO.	
SIZE	A3

SCALE ---
DESIGN UNITS METRIC
THIRD ANGLE PROJECTION

TITLE
C-GRID III
SINGLE ROW STRAIGHT
PIN HEADER

MOLEX INCORPORATED

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