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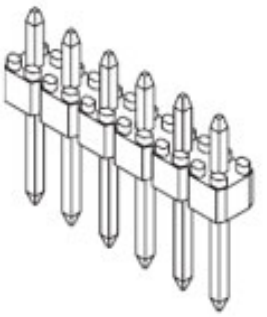
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0901200761
Status: Active
Overview: cgrid_iii
Description: 2.54mm (.100") Pitch C-Grid III™ Header, Single Row, Vertical, 1 Circuits, Gold (Au) Plating

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-99020-0001 (PDF)



Series image - Reference only

General

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

Physical

Breakaway	Yes
Circuits (Loaded)	1
Circuits (maximum)	1
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)	0.000 In
Pitch - Mating Interface (mm)	0.00 mm
Pitch - Term. Interface (in)	0.000 In
Pitch - Term. Interface (mm)	0.00 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

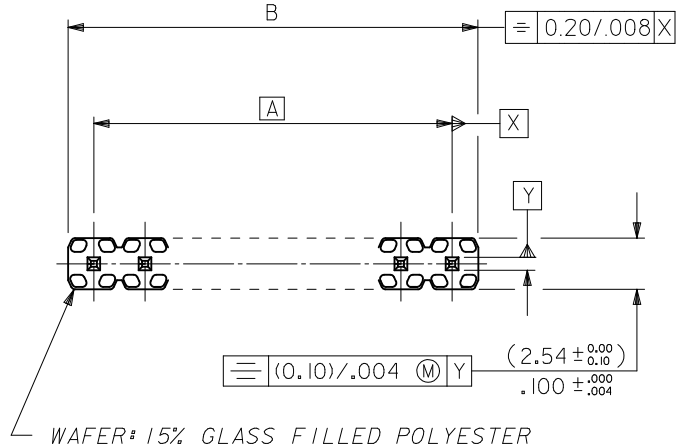
Material Info

Reference - Drawing Numbers

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

This document was generated on 05/26/2010

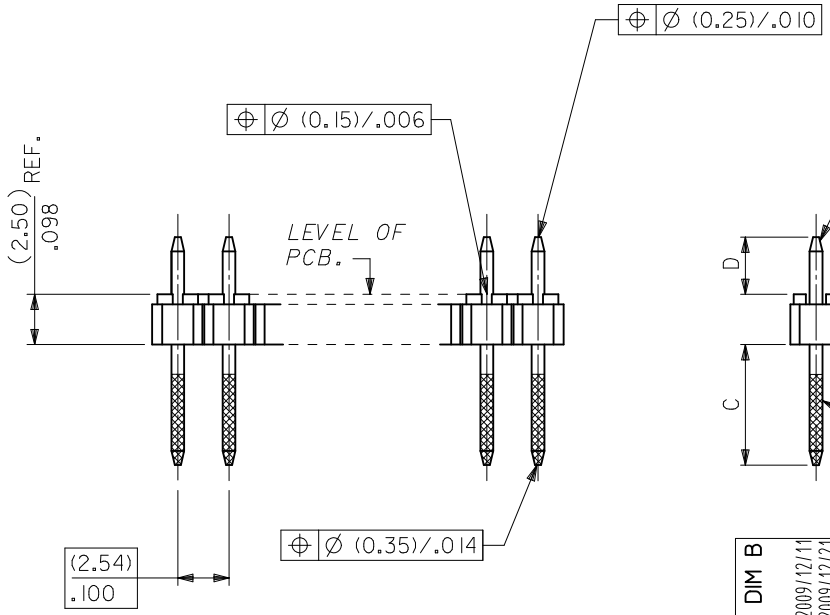
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

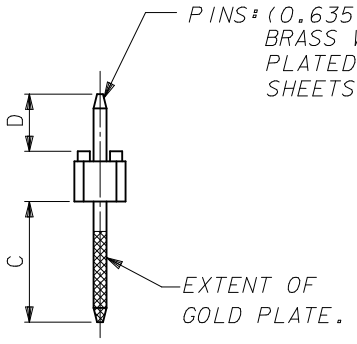


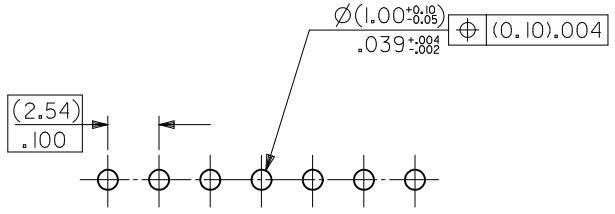
CKT SIZE	DIM." A"	DIM." B" (+0 −0.45) +0 −.018	CKT SIZE	DIM." A"	DIM." B" (+0 −0.45) +0 −.018
1X 1	———	(2.54) .100	1X21	(50.80) 2.000	(53.34) 2.100
1X 2	(2.54) .100	(5.08) .200	1X22	(53.34) 2.100	(55.88) 2.200
1X 3	(5.08) .200	(7.62) .300	1X23	(55.88) 2.200	(58.42) 2.300
1X 4	(7.62) .300	(10.16) .400	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

NOTES

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







RECOMMENDED P.C. BOARD HOLE PATTERN

REV GD&T FOR DIM B
EC NO: S2010-0493 2009/12/11
DRWN:SKANG 2009/12/21
CH'KD:ATSEE 2009/12/21
APPR:MLONG
DESCRIPTION
REV
N1

QUALITY SYMBOLS
FA=0
FC=0
FP=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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JDENNEHY DATE: 2006/01/18
CHECKED BY: DWASZKIEWICZ DATE: 2006/01/18
APPROVED BY: MLONG DATE: 2009/12/21

TITLE: C-GRID III SINGLE ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-90120
SHEET NO.: 1 OF 6
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		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 $^{(\pm 0.20)}_{\pm .008}$ (6.75) .266

DIM D $^{(\pm 0.20)}_{-0.30}$ $^{+.008}_{-.012}$ (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 2009/12/11
DRWN:SKANG 2009/12/21
CH'KD:ATSEE 2009/12/21
APPR:MLONG 2009/12/21
DESCRIPTION
REV
N1

QUALITY SYMBOLS
FA=0
FC=0
FP=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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JDENNEHY DATE: 2006/01/18
CHECKED BY: DWASZKIEWICZ DATE: 2006/01/18
APPROVED BY: MLONG DATE: 2009/12/21

TITLE: C-GRID III SINGLE ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-90120
SHEET NO.: 2 OF 6
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	90120-0041	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 $^{(\pm 0.20)}_{\pm .008}$ (5.75) .226

DIM D $^{(\pm 0.20)}_{-0.30}$ $^{+.008}_{-.012}$ (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 $^{(\pm 0.20)}_{\pm .008}$ (5.75) .226

DIM D $^{(\pm 0.25)}_{\pm .010}$ (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 2009/12/11
DRWN:SKANG 2009/12/21
CH'KD:ATSEE 2009/12/21
APPR:MLONG 2009/12/21
DESCRIPTION
REV
N1

QUALITY SYMBOLS
FA=0
FC=0
FP=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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JDENNEHY DATE: 2006/01/18
CHECKED BY: DWASZKIEWICZ DATE: 2006/01/18
APPROVED BY: MLONG DATE: 2009/12/21

TITLE: C-GRID III SINGLE ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-90120
SHEET NO.: 3 OF 6
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 2009/12/11
DRWN:SKANG 2009/12/21
CH'KD:ATSEE 2009/12/21
APPR:MLONG 2009/12/21
DESCRIPTION
REV
N1

QUALITY SYMBOLS
FA=0
FC=0
FP=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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JDENNEHY DATE: 2006/01/18
CHECKED BY: DWASZKIEWICZ DATE: 2006/01/18
APPROVED BY: MLONG DATE: 2009/12/21

TITLE: C-GRID III SINGLE ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-90120
SHEET NO.: 4 OF 6
SIZE: A3

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

CIRCUIT SIZE	PLATING TYPE B PART NO.	PLATING TYPE C PART NO.	PLATING TYPE D PART NO.	PLATING TYPE G PART NO.
1 X 1	90120-0281	90120-0441	90120-0601	90120-1081
1 X 2	-0282	-0442	-0602	-1082
1 X 3	-0283	-0443	-0603	-1083
1 X 4	-0284	-0444	-0604	-1084
1 X 5	-0285	-0445	-0605	-1085
1 X 6	-0286	-0446	-0606	-1086
1 X 7	-0287	-0447	-0607	-1087
1 X 8	-0288	-0448	-0608	-1088
1 X 9	-0289	-0449	-0609	-1089
1 X 10	-0290	-0450	-0610	-1090
1 X 11	-0291	-0451	-0611	-1091
1 X 12	-0292	-0452	-0612	-1092
1 X 13	-0293	-0453	-0613	-1093
1 X 14	-0294	-0454	-0614	-1094
1 X 15	-0295	-0455	-0615	-1095
1 X 16	-0296	-0456	-0616	-1096
1 X 17	-0297	-0457	-0617	-1097
1 X 18	-0298	-0458	-0618	-1098
1 X 19	-0299	-0459	-0619	-1099
1 X 20	-0300	-0460	-0620	-1100
1 X 21	-0301	-0461	-0621	-1101
1 X 22	-0302	-0462	-0622	-1102
1 X 23	-0303	-0463	-0623	-1103
1 X 24	-0304	-0464	-0624	-1104
1 X 25	-0305	-0465	-0625	-1105
1 X 26	-0306	-0466	-0626	-1106
1 X 27	-0307	-0467	-0627	-1107
1 X 28	-0308	-0468	-0628	-1108
1 X 29	-0309	-0469	-0629	-1109
1 X 30	-0310	-0470	-0630	-1110
1 X 31	-0311	-0471	-0631	-1111
1 X 32	-0312	-0472	-0632	-1112
1 X 33	-0313	-0473	-0633	-1113
1 X 34	-0314	-0474	-0634	-1114
1 X 35	-0315	-0475	-0635	-1115
1 X 36	-0316	-0476	-0636	-1116
1 X 37	-0317	-0477	-0637	-1117
1 X 38	-0318	-0478	-0638	-1118
1 X 39	-0319	-0479	-0639	-1119
1 X 40	90120-0320	90120-0480	90120-0640	90120-1120

DIM C $^{(\pm 0.20)}_{\pm .008}$ (6.75) .266

DIM D $^{(\pm 0.20)}_{-0.30}$ $^{+.008}_{-.012}$ (2.90) .114

CIRCUIT SIZE	PLATING TYPE G PART NO.	PLATING TYPE B PART NO.	PLATING TYPE C PART NO.	PLATING TYPE D PART NO.
1 X 1	90120-1001	90120-0201	90120-0361	90120-0521
1 X 2	-1002	-0202	-0362	-0522
1 X 3	-1003	-0203	-0363	-0523
1 X 4	-1004	-0204	-0364	-0524
1 X 5	-1005	-0205	-0365	-0525
1 X 6	-1006	-0206	-0366	-0526
1 X 7	-1007	-0207	-0367	-0527
1 X 8	-1008	-0208	-0368	-0528
1 X 9	-1009	-0209	-0369	-0529
1 X 10	-1010	-0210	-0370	-0530
1 X 11	-1011	-0211	-0371	-0531
1 X 12	-1012	-0212	-0372	-0532
1 X 13	-1013	-0213	-0373	-0533
1 X 14	-1014	-0214	-0374	-0534
1 X 15	-1015	-0215	-0375	-0535
1 X 16	-1016	-0216	-0376	-0536
1 X 17	-1017	-0217	-0377	-0537
1 X 18	-1018	-0218	-0378	-0538
1 X 19	-1019	-0219	-0379	-0539
1 X 20	-1020	-0220	-0380	-0540
1 X 21	-1021	-0221	-0381	-0541
1 X 22	-1022	-0222	-0382	-0542
1 X 23	-1023	-0223	-0383	-0543
1 X 24	-1024	-0224	-0384	-0544
1 X 25	-1025	-0225	-0385	-0545
1 X 26	-1026	-0226	-0386	-0546
1 X 27	-1027	-0227	-0387	-0547
1 X 28	-1028	-0228	-0388	-0548
1 X 29	-1029	-0229	-0389	-0549
1 X 30	-1030	-0230	-0390	-0550
1 X 31	-1031	-0231	-0391	-0551
1 X 32	-1032	-0232	-0392	-0552
1 X 33	-1033	-0233	-0393	-0553
1 X 34	-1034	-0234	-0394	-0554
1 X 35	-1035	-0235	-0395	-0555
1 X 36	-1036	-0236	-0396	-0556
1 X 37	-1037	-0237	-0397	-0557
1 X 38	-1038	-0238	-0398	-0558
1 X 39	-1039	-0239	-0399	-0559
1 X 40	90120-1040	90120-0240	90120-0400	90120-0560

DIM C $^{(\pm 0.20)}_{\pm .008}$ (5.75) .226

DIM D $^{(\pm 0.20)}_{-0.30}$ $^{+.008}_{-.012}$ (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 2009/12/11
DRWN:SKANG 2009/12/21
CH'KD:ATSEE 2009/12/21
APPR:MLONG 2009/12/21
DESCRIPTION
REV
N1

QUALITY SYMBOLS
$\boxed{FA}$=0
$\boxed{FC}$=0
$\boxed{FP}$=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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JDENNEHY DATE: 2006/01/18
CHECKED BY: DWASZKIEWICZ DATE: 2006/01/18
APPROVED BY: MLONG DATE: 2009/12/21

TITLE: C-GRID III SINGLE ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-90120
SHEET NO.: 5 OF 6
SIZE: A3

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

CIRCUIT SIZE	PLATING TYPE B PART NO.	PLATING TYPE C PART NO.	PLATING TYPE D PART NO.	PLATING TYPE G PART NO.
1 X 1	90120-0241	90120-0401	90120-0561	90120-1041
1 X 2	-0242	-0402	-0562	-1042
1 X 3	-0243	-0403	-0563	-1043
1 X 4	-0244	-0404	-0564	-1044
1 X 5	-0245	-0405	-0565	-1045
1 X 6	-0246	-0406	-0566	-1046
1 X 7	-0247	-0407	-0567	-1047
1 X 8	-0248	-0408	-0568	-1048
1 X 9	-0249	-0409	-0569	-1049
1 X 10	-0250	-0410	-0570	-1050
1 X 11	-0251	-0411	-0571	-1051
1 X 12	-0252	-0412	-0572	-1052
1 X 13	-0253	-0413	-0573	-1053
1 X 14	-0254	-0414	-0574	-1054
1 X 15	-0255	-0415	-0575	-1055
1 X 16	-0256	-0416	-0576	-1056
1 X 17	-0257	-0417	-0577	-1057
1 X 18	-0258	-0418	-0578	-1058
1 X 19	-0259	-0419	-0579	-1059
1 X 20	-0260	-0420	-0580	-1060
1 X 21	-0261	-0421	-0581	-1061
1 X 22	-0262	-0422	-0582	-1062
1 X 23	-0263	-0423	-0583	-1063
1 X 24	-0264	-0424	-0584	-1064
1 X 25	-0265	-0425	-0585	-1065
1 X 26	-0266	-0426	-0586	-1066
1 X 27	-0267	-0427	-0587	-1067
1 X 28	-0268	-0428	-0588	-1068
1 X 29	-0269	-0429	-0589	-1069
1 X 30	-0270	-0430	-0590	-1070
1 X 31	-0271	-0431	-0591	-1071
1 X 32	-0272	-0432	-0592	-1072
1 X 33	-0273	-0433	-0593	-1073
1 X 34	-0274	-0434	-0594	-1074
1 X 35	-0275	-0435	-0595	-1075
1 X 36	-0276	-0436	-0596	-1076
1 X 37	-0277	-0437	-0597	-1077
1 X 38	-0278	-0438	-0598	-1078
1 X 39	-0279	-0439	-0599	-1079
1 X 40	90120-0280	90120-0440	90120-0600	90120-1080

DIM C (±0.20) ±.008 (5.75) .226

DIM D (±0.25) ±.010 (4.50) .177

CIRCUIT SIZE	PLATING TYPE B PART NO.	PLATING TYPE C PART NO.	PLATING TYPE D PART NO.	PLATING TYPE G PART NO.
1 X 1	90120-0321	90120-0481	90120-0641	90120-1121
1 X 2	-0322	-0482	-0642	-1122
1 X 3	-0323	-0483	-0643	-1123
1 X 4	-0324	-0484	-0644	-1124
1 X 5	-0325	-0485	-0645	-1125
1 X 6	-0326	-0486	-0646	-1126
1 X 7	-0327	-0487	-0647	-1127
1 X 8	-0328	-0488	-0648	-1128
1 X 9	-0329	-0489	-0649	-1129
1 X 10	-0330	-0490	-0650	-1130
1 X 11	-0331	-0491	-0651	-1131
1 X 12	-0332	-0492	-0652	-1132
1 X 13	-0333	-0493	-0653	-1133
1 X 14	-0334	-0494	-0654	-1134
1 X 15	-0335	-0495	-0655	-1135
1 X 16	-0336	-0496	-0656	-1136
1 X 17	-0337	-0497	-0657	-1137
1 X 18	-0338	-0498	-0658	-1138
1 X 19	-0339	-0499	-0659	-1139
1 X 20	-0340	-0500	-0660	-1140
1 X 21	-0341	-0501	-0661	-1141
1 X 22	-0342	-0502	-0662	-1142
1 X 23	-0343	-0503	-0663	-1143
1 X 24	-0344	-0504	-0664	-1144
1 X 25	-0345	-0505	-0665	-1145
1 X 26	-0346	-0506	-0666	-1146
1 X 27	-0347	-0507	-0667	-1147
1 X 28	-0348	-0508	-0668	-1148
1 X 29	-0349	-0509	-0669	-1149
1 X 30	-0350	-0510	-0670	-1150
1 X 31	-0351	-0511	-0671	-1151
1 X 32	-0352	-0512	-0672	-1152
1 X 33	-0353	-0513	-0673	-1153
1 X 34	-0354	-0514	-0674	-1154
1 X 35	-0355	-0515	-0675	-1155
1 X 36	-0356	-0516	-0676	-1156
1 X 37	-0357	-0517	-0677	-1157
1 X 38	-0358	-0518	-0678	-1158
1 X 39	-0359	-0519	-0679	-1159
1 X 40	90120-0360	90120-0520	90120-0680	90120-1160

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
EC NO: S2010-0493 2009/12/11
DRWN:SKANG 2009/12/21
CH'KD:ATSEE 2009/12/21
APPR:MLONG 2009/12/21
DESCRIPTION
REV
N1

QUALITY SYMBOLS
FA=0
FC=0
FP=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
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JDENNEHY DATE: 2006/01/18
CHECKED BY: DWASZKIEWICZ DATE: 2006/01/18
APPROVED BY: MLONG DATE: 2009/12/21

TITLE: C-GRID III SINGLE ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SDA-90120
SHEET NO.: 6 OF 6
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		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) $\pm .008$
(6.75)
.266

DIM D $(\pm 0.20 / -0.30)$ $+.008 / -.012$
(2.90)
.114

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

STANDARD PRODUCTS

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

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
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JDENNEHY DATE: 2006/01/18
CHECKED BY: DWASZKIEWICZ DATE: 2006/01/18
APPROVED BY: JDENNEHY DATE: 2006/01/18
MATERIAL NO.: SEE CHART

TITLE
C-GRID III
SINGLE ROW STRAIGHT
PIN HEADER

MOLEX INCORPORATED

DOCUMENT NO.: SDA-90120
SHEET NO.: 2 OF 6

SIZE A3

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