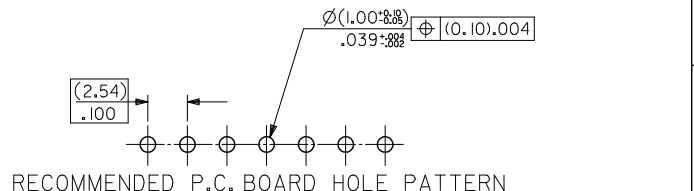


CKT SIZE	DIM. "A"		DIM. "B" ^(+0.45) _(-0.18)		CKT SIZE	DIM. "A"		DIM. "B" ^(+0.45) _(-0.18)	
1X 1			(2.54)	.100	1X21	(50.80)	2.000	(53.34)	2.100
1X 2	(2.54)	.100	(5.08)	.200	1X22	(53.34)	2.100	(55.88)	2.200
1X 3	(5.08)	.200	(7.62)	.300	1X23	(55.88)	2.200	(58.42)	2.300
1X 4	(7.62)	.300	(10.16)	.400	1X24	(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
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
- 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



QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	mm	INCH	MM/IN	DATE			
▽=0	4 PLACES ±---	±---	DRAWN BY	2006/01/18	NTS	METRIC	C-GRID III SINGLE ROW STRAIGHT PIN HEADER
▽=0	3 PLACES ±---	±---	CHECKED BY	DATE			
▽=0	2 PLACES ±---	±---	DWASZKIEWICZ	2006/01/18	MOLEX	MOLEX INCORPORATED	SDA-90120
▽=0	1 PLACE ±---	±---	APPROVED BY	DATE			
	ANGULAR ±---°		MLONG	2009/12/21	DOCUMENT NO.		SHEET NO. 1 OF 6
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE TABLE				

10 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 / -0.08) (6.75) .266

DIM D (+0.20 / -0.08) (2.90) .114

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

STANDARD PRODUCTS

REVISE PIN DIM	2011/01/05	QUALITY SYMBOLS
EC NO: S2011-0579	DRWNSKANG	GENERAL TOLERANCES (UNLESS SPECIFIED)
CHKD:ATSEE	2011/03/22	mm INCH
APPR:MLONG	2011/03/22	4 PLACES ± --- ± ---
		3 PLACES ± --- ± ---
		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	SDA-90120		
APPROVED BY	DATE	SHEET NO. 2 OF 6		
MLONG	2009/12/21	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
MATERIAL NO.	SEE TABLE			
SIZE	A3			

10 9 8 7 6 5 4 3 2 1

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

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

DIM C (+0.20) ±.008 (5.75) .226

DIM C (+0.20) ±.008 (5.75) .226

DIM D (+0.30) ±.008 (2.90) .114

DIM D (+0.25) ±.008 (4.50) .177

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

NON-STANDARD PRODUCTS

REVISE PIN DIM
EC NO: S2011-0579
DIRWANGKANG 2011/01/05
CHYKATSEE 2011/03/22
APPR:MLONG 2011/03/22

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±.004	±.0001
3 PLACES	±.005	±.0002
2 PLACES	±.007	±.0003
1 PLACE	±.010	±.0005
ANGULAR	±.005°	±.0002°

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

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. 3 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 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

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

REVISE PIN DIM
EC NO: S2011-0579
2011/01/05
DIRWNSKANG
2011/03/22
CHYKATSEE
2011/03/22
APPR:MLONG

QUALITY SYMBOLS
▽=0
▽=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/IN	
DRAWN BY	DATE
JDENNEHY	2006/01/18
CHECKED BY	DATE
DWASZKIEWICZ	2006/01/18
APPROVED BY	DATE
MLONG	2009/12/21
MATERIAL NO.	
SEE TABLE	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	METRIC	☉
TITLE		
C-GRID III SINGLE ROW STRAIGHT PIN HEADER		
MOLEX INCORPORATED		
DOCUMENT NO.	SHEET NO.	
SDA-90120	4 OF 6	

tb_frame_A3_P_AM.T
Rev. F 2009/06/18

9 8 7 6 5 4 3 2 1

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

DIM C (+0.20) ±.008 (6.75) .266

DIM C (+0.20) ±.008 (5.75) .226

DIM D (+0.30) ±.008 (2.90) .114

DIM D (+0.30) ±.008 (2.90) .114

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

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

REV	DESCRIPTION	DATE	BY
1	REVISE PIN DIM	2011/01/05	DRWSKANG
2		2011/03/22	CHYKATSEE
3		2011/03/22	APPR:MLONG

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
$\nabla=0$	mm
$\nabla=0$	INCH
$\nabla=0$	4 PLACES ±--- ±---
	3 PLACES ±--- ±---
	2 PLACES ±--- ±---
	1 PLACE ±--- ±---
	ANGULAR ±---°

DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM/IN		NTS	METRIC	
DRAWN BY	DATE	TITLE		
JDENNEHY	2006/01/18	C-GRID III		
CHECKED BY	DATE	SINGLE ROW STRAIGHT		
DWASZKIEWICZ	2006/01/18	PIN HEADER		
APPROVED BY	DATE	MOLEX INCORPORATED		
MLONG	2009/12/21	MOLEX INCORPORATED		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
SEE TABLE	SDA-90120	5 OF 6		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
SIZE	A3		

