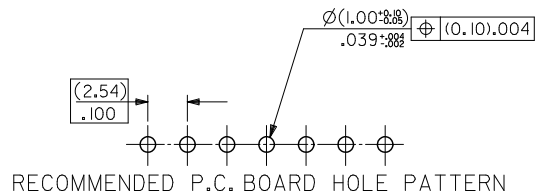
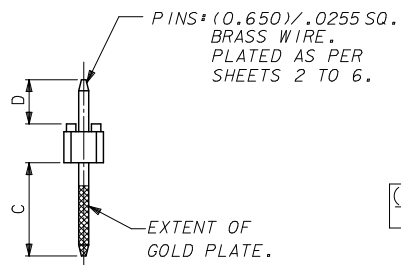


CKT SIZE	DIM. " A "		DIM. " B " ^(+0.45) _{-0.18}		CKT SIZE	DIM. " A "		DIM. " B " ^(+0.45) _{-0.18}	
1X 1			(2.54)	.100	1X21	(50.80)	2.000	(53.34)	2.100
1X 2	(2.54)	.100	(5.08)	.200	1X22	(53.34)	2.100	(55.88)	2.200
1X 3	(5.08)	.200	(7.62)	.300	1X23	(55.88)	2.200	(58.42)	2.300
1X 4	(7.62)	.300	(10.16)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



REVISE PIN DIM	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		mm	INCH	MM/IN	DATE			
EC NO: S2011-0579	▽=0	4 PLACES	± --- ± ---	DRAWN BY	DATE	NTS	METRIC	C-GRID III SINGLE ROW STRAIGHT PIN HEADER
DRWNSKANG	▽=0	3 PLACES	± --- ± ---	JDENNEHY	2006/01/18			
2011/03/22	▽=0	2 PLACES	± --- ± ---	CHECKED BY	DATE	MOLEX	MOLEX INCORPORATED	SDA-90120
CHKD:ATSEE	▽=0	1 PLACE	± --- ± ---	DWASZKIEWICZ	2006/01/18			
APPR:MLONG	▽=0	ANGULAR ± --- °		APPROVED BY	DATE	DOCUMENT NO.	SHEET NO.	1 OF 6
REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MLONG	2009/12/21	SEE TABLE		
				MATERIAL NO.				
				SIZE		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 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	4 PLACES ± --- ± ---
CHKD:ATSEE	2011/03/22	3 PLACES ± --- ± ---
APPR:MLONG	2011/03/22	2 PLACES ± --- ± ---
		1 PLACE ± --- ± ---
		ANGULAR ± --- °

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	2 OF 6	

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	90120-0041	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 (+0.30) ±.008 (4.50) .177

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

NON-STANDARD PRODUCTS

REVISE PIN DIM	2011/01/05	QUALITY SYMBOLS
EC NO: S2011-0579	DRWNSKANG	GENERAL TOLERANCES (UNLESS SPECIFIED)
CHKDATSEE	2011/03/22	mm INCH
APPR:MLONG	2011/03/22	4 PLACES ± --- ± ---
DESCRIPTION		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	
CHECKED BY	DATE	SINGLE ROW STRAIGHT	
DWASZKIEWICZ	2006/01/18	PIN HEADER	
APPROVED BY	DATE	MOLEX INCORPORATED	
MLONG	2009/12/21		
MATERIAL NO.	DOCUMENT NO.	SHEET NO.	
SEE TABLE	SDA-90120	3 OF 6	

SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
A3		

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	±.005	±.0004
3 PLACES	±.004	±.0003
2 PLACES	±.003	±.0002
1 PLACE	±.002	±.0001
ANGULAR ±.000°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

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

9 8 7 6 5 4 3 2 1

	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.			
		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 / -0.08) (6.75) .266

DIM C (+0.20 / -0.08) (5.75) .226

DIM D (+0.30 / -0.08) (2.90) .114

DIM D (+0.30 / -0.08) (2.90) .114

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

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

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

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	5 OF 6	
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