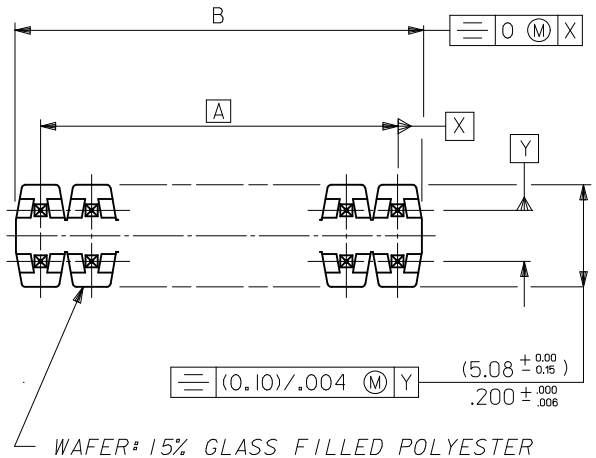
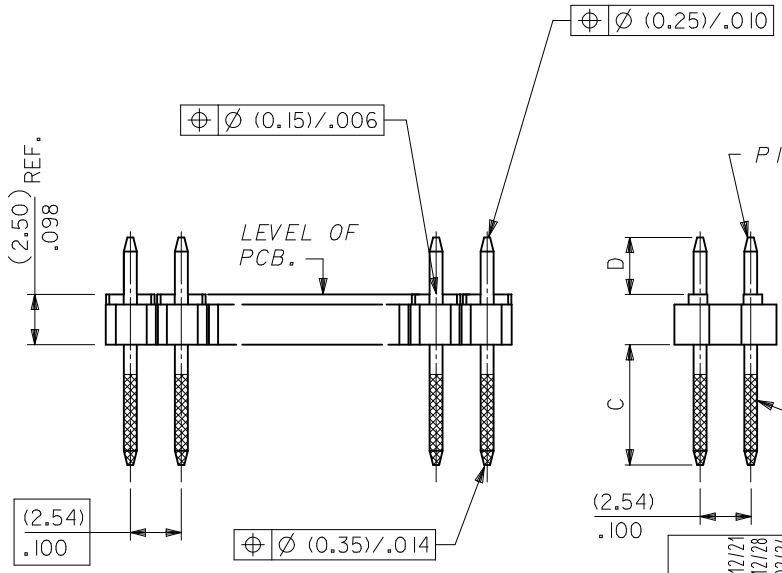
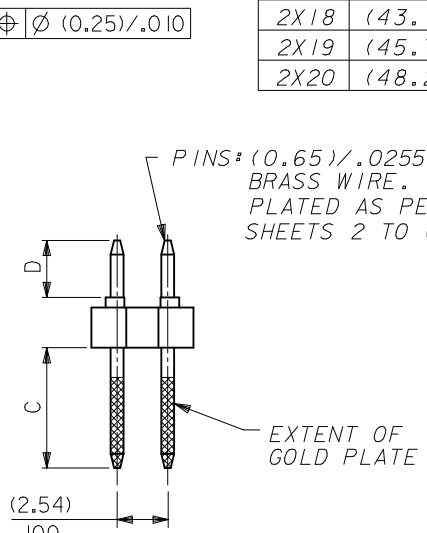
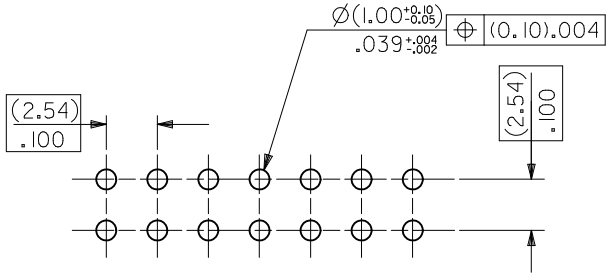


CKT SIZE	DIM. "A"	DIM. "B" (+0 -0.20) +0 -.008	CKT SIZE	DIM. "A"	DIM. "B" (+0 -0.20) +0 -.008
2X 1	———	(2.54) .100	2X21	(50.80) 2.000	(53.34) 2.100
2X 2	(2.54) .100	(5.08) .200	2X22	(53.34) 2.100	(55.88) 2.200
2X 3	(5.08) .200	(7.62) .300	2X23	(55.88) 2.200	(58.42) 2.300
2X 4	(7.62) .300	(10.16) .400	2X24	(58.42) 2.300	(60.96) 2.400
2X 5	(10.16) .400	(12.70) .500	2X25	(60.96) 2.400	(63.50) 2.500
2X 6	(12.70) .500	(15.24) .600	2X26	(63.50) 2.500	(66.04) 2.600
2X 7	(15.24) .600	(17.78) .700	2X27	(66.04) 2.600	(68.58) 2.700
2X 8	(17.78) .700	(20.32) .800	2X28	(68.58) 2.700	(71.12) 2.800
2X 9	(20.32) .800	(22.86) .900	2X29	(71.12) 2.800	(73.66) 2.900
2X10	(22.86) .900	(25.40) 1.000	2X30	(73.66) 2.900	(76.20) 3.000
2X11	(25.40) 1.000	(27.94) 1.100	2X31	(76.20) 3.000	(78.74) 3.100
2X12	(27.94) 1.100	(30.48) 1.200	2X32	(78.74) 3.100	(81.28) 3.200
2X13	(30.48) 1.200	(33.02) 1.300	2X33	(81.28) 3.200	(83.82) 3.300
2X14	(33.02) 1.300	(35.56) 1.400	2X34	(83.82) 3.300	(86.36) 3.400
2X15	(35.56) 1.400	(38.10) 1.500	2X35	(86.36) 3.400	(88.90) 3.500
2X16	(38.10) 1.500	(40.64) 1.600	2X36	(88.90) 3.500	(91.44) 3.600
2X17	(40.64) 1.600	(43.18) 1.700	2X37	(91.44) 3.600	(93.98) 3.700
2X18	(43.18) 1.700	(45.72) 1.800	2X38	(93.98) 3.700	(96.52) 3.800
2X19	(45.72) 1.800	(48.26) 1.900	2X39	(96.52) 3.800	(99.06) 3.900
2X20	(48.26) 1.900	(50.80) 2.000	2X40	(99.06) 3.900	(101.60) 4.000







RECOMMENDED P.C. BOARD HOLE PATTERN

NOTES

1. PLEASE REFER TO SHT 2 FOR PLATING DETAILS.
2. PLEASE REFER TO SHT 3-8 FOR DIMENSIONS C & D.
3. RECOMMENDED PCB THICKNESS 1.60MM
4. PRODUCT SPECIFICATION: PS-99020-0001

CHANGE DOC. NO
EC NO: S2012-0490 2011/12/21
DRWN:ATSEE 2011/12/28
CH'KD:SKANG 2012/02/24
APPR:MLONG
DESCRIPTION
REV
0

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	DB	1987/07/16
CHECKED BY	DB	1987/07/16
APPROVED BY	MLONG	2012/02/24

TITLE: C GRID III DUAL ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-90131-001
SHEET NO.: 1 OF 8
SIZE: A3

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

PLATING OPTIONS	PLATING DESCRIPTION
A	3.00μm MIN TIN OVER 1.27MIN NICKEL OVERALL
B	0.38μm MIN GOLD IN SELECTED AREA AND 3.00μm MIN TIN IN SELECTED AREA AND 1.30μm MIN NICKEL OVERALL
C	0.76μm MIN GOLD IN SELECTED AREA AND 3.00μm MIN TIN IN SELECTED AREA AND 1.30μm MIN NICKEL OVERALL
D	0.05-0.10μm GOLD FLASH IN SELECTED AREA AND 3.00μm MIN TIN IN SELECTED AREA AND 1.30μm MIN NICKEL OVERALL
E	0.38μm MIN GOLD IN SELECTED AREA (2 SIDES) AND 3.00μm MIN TIN IN SELECTED AREA AND 1.30μm MIN NICKEL OVERALL
F	0.76μm MIN GOLD IN SELECTED AREA (2 SIDES) AND 3.00μm MIN TIN IN SELECTED AREA AND 1.30μm MIN NICKEL OVERALL
G	0.05-0.10μm GOLD FLASH IN SELECTED AREA (2 SIDES) AND 3.00μm MIN TIN IN SELECTED AREA AND 1.30μm MIN NICKEL OVERALL

CHANGE DOC. NO
EC NO: S2012-0490
DRWN:ATSEE 2011/12/21
CH'KD:SKANG 2011/12/28
APPR:MLONG 2012/02/24
DESCRIPTION
REV
0

QUALITY SYMBOLS
FA=0
FC=0
FB=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DB DATE: 1987/07/16
CHECKED BY: DB DATE: 1987/07/16
APPROVED BY: MLONG DATE: 2012/02/24

TITLE: C GRID III DUAL ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-90131-001
SHEET NO.: 2 OF 8
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.
2 X 1	90131-0121	90131-0761	90131-0921
2 X 2	-0122	-0762	-0922
2 X 3	-0123	-0763	-0923
2 X 4	-0124	-0764	-0924
2 X 5	-0125	-0765	-0925
2 X 6	-0126	-0766	-0926
2 X 7	-0127	-0767	-0927
2 X 8	-0128	-0768	-0928
2 X 9	-0129	-0769	-0929
2 X 10	-0130	-0770	-0930
2 X 11	-0131	-0771	-0931
2 X 12	-0132	-0772	-0932
2 X 13	-0133	-0773	-0933
2 X 14	-0134	-0774	-0934
2 X 15	-0135	-0775	-0935
2 X 16	-0136	-0776	-0936
2 X 17	-0137	-0777	-0937
2 X 18	-0138	-0778	-0938
2 X 19	-0139	-0779	-0939
2 X 20	-0140	-0780	-0940
2 X 21	-0141	-0781	-0941
2 X 22	-0142	-0782	-0942
2 X 23	-0143	-0783	-0943
2 X 24	-0144	-0784	-0944
2 X 25	-0145	-0785	-0945
2 X 26	-0146	-0786	-0946
2 X 27	-0147	-0787	-0947
2 X 28	-0148	-0788	-0948
2 X 29	-0149	-0789	-0949
2 X 30	-0150	-0790	-0950
2 X 31	-0151	-0791	-0951
2 X 32	-0152	-0792	-0952
2 X 33	-0153	-0793	-0953
2 X 34	-0154	-0794	-0954
2 X 35	-0155	-0795	-0955
2 X 36	-0156	-0796	-0956
2 X 37	-0157	-0797	-0957
2 X 38	-0158	-0798	-0958
2 X 39	-0159	-0799	-0959
2 X 40	90131-0160	90131-0800	90131-0960

DIM C (± 0.20) $\pm .008$ (6.75) .266

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

STANDARD PRODUCTS

CHANGE DOC. NO
EC NO: S2012-0490
DRWN:ATSEE 2011/12/21
CH'KD:SKANG 2011/12/28
APPR:MLONG 2012/02/24
DESCRIPTION
REV
0

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DB DATE: 1987/07/16
CHECKED BY: DB DATE: 1987/07/16
APPROVED BY: MLONG DATE: 2012/02/24

TITLE: C GRID III DUAL ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-90131-001
SHEET NO.: 3 OF 8
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.
2 X 1	90131-0041	90131-0681	90131-0841
2 X 2	-0042	-0682	-0842
2 X 3	-0043	-0683	-0843
2 X 4	-0044	-0684	-0844
2 X 5	-0045	-0685	-0845
2 X 6	-0046	-0686	-0846
2 X 7	-0047	-0687	-0847
2 X 8	-0048	-0688	-0848
2 X 9	-0049	-0689	-0849
2 X 10	-0050	-0690	-0850
2 X 11	-0051	-0691	-0851
2 X 12	-0052	-0692	-0852
2 X 13	-0053	-0693	-0853
2 X 14	-0054	-0694	-0854
2 X 15	-0055	-0695	-0855
2 X 16	-0056	-0696	-0856
2 X 17	-0057	-0697	-0857
2 X 18	-0058	-0698	-0858
2 X 19	-0059	-0699	-0859
2 X 20	-0060	-0700	-0860
2 X 21	-0061	-0701	-0861
2 X 22	-0062	-0702	-0862
2 X 23	-0063	-0703	-0863
2 X 24	-0064	-0704	-0864
2 X 25	-0065	-0705	-0865
2 X 26	-0066	-0706	-0866
2 X 27	-0067	-0707	-0867
2 X 28	-0068	-0708	-0868
2 X 29	-0069	-0709	-0869
2 X 30	-0070	-0710	-0870
2 X 31	-0071	-0711	-0871
2 X 32	-0072	-0712	-0872
2 X 33	-0073	-0713	-0873
2 X 34	-0074	-0714	-0874
2 X 35	-0075	-0715	-0875
2 X 36	-0076	-0716	-0876
2 X 37	-0077	-0717	-0877
2 X 38	-0078	-0718	-0878
2 X 39	-0079	-0719	-0879
2 X 40	90131-0080	90131-0720	90131-0880

DIM C (± 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.
2 X 1	90131-0081	90131-0721	90131-0881
2 X 2	-0082	-0722	-0882
2 X 3	-0083	-0723	-0883
2 X 4	-0084	-0724	-0884
2 X 5	-0085	-0725	-0885
2 X 6	-0086	-0726	-0886
2 X 7	-0087	-0727	-0887
2 X 8	-0088	-0728	-0888
2 X 9	-0089	-0729	-0889
2 X 10	-0090	-0730	-0890
2 X 11	-0091	-0731	-0891
2 X 12	-0092	-0732	-0892
2 X 13	-0093	-0733	-0893
2 X 14	-0094	-0734	-0894
2 X 15	-0095	-0735	-0895
2 X 16	-0096	-0736	-0896
2 X 17	-0097	-0737	-0897
2 X 18	-0098	-0738	-0898
2 X 19	-0099	-0739	-0899
2 X 20	-0100	-0740	-0900
2 X 21	-0101	-0741	-0901
2 X 22	-0102	-0742	-0902
2 X 23	-0103	-0743	-0903
2 X 24	-0104	-0744	-0904
2 X 25	-0105	-0745	-0905
2 X 26	-0106	-0746	-0906
2 X 27	-0107	-0747	-0907
2 X 28	-0108	-0748	-0908
2 X 29	-0109	-0749	-0909
2 X 30	-0110	-0750	-0910
2 X 31	-0111	-0751	-0911
2 X 32	-0112	-0752	-0912
2 X 33	-0113	-0753	-0913
2 X 34	-0114	-0754	-0914
2 X 35	-0115	-0755	-0915
2 X 36	-0116	-0756	-0916
2 X 37	-0117	-0757	-0917
2 X 38	-0118	-0758	-0918
2 X 39	-0119	-0759	-0919
2 X 40	90131-0120	90131-0760	90131-0920

DIM C (± 0.20) $\pm .008$ (5.75) .226

DIM D (± 0.25) $\pm .010$ (4.50) .177

NON-STANDARD PRODUCTS

REV	DESCRIPTION
O	CHANGE DOC. NO EC NO: S2012-0490 DRWN:ATSEE 2011/12/21 CH'KD:SKANG 2011/12/28 APPR:MLONG 2012/02/24

QUALITY SYMBOLS
F_A=0
F_C=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	DB	1987/07/16
CHECKED BY	DB	1987/07/16
APPROVED BY	MLONG	2012/02/24

TITLE: C GRID III DUAL ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-90131-001
SHEET NO.: 4 OF 8
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.
2 X 1	90131-0161	90131-0801	90131-0961
2 X 2	-0162	-0802	-0962
2 X 3	-0163	-0803	-0963
2 X 4	-0164	-0804	-0964
2 X 5	-0165	-0805	-0965
2 X 6	-0166	-0806	-0966
2 X 7	-0167	-0807	-0967
2 X 8	-0168	-0808	-0968
2 X 9	-0169	-0809	-0969
2 X 10	-0170	-0810	-0970
2 X 11	-0171	-0811	-0971
2 X 12	-0172	-0812	-0972
2 X 13	-0173	-0813	-0973
2 X 14	-0174	-0814	-0974
2 X 15	-0175	-0815	-0975
2 X 16	-0176	-0816	-0976
2 X 17	-0177	-0817	-0977
2 X 18	-0178	-0818	-0978
2 X 19	-0179	-0819	-0979
2 X 20	-0180	-0820	-0980
2 X 21	-0181	-0821	-0981
2 X 22	-0182	-0822	-0982
2 X 23	-0183	-0823	-0983
2 X 24	-0184	-0824	-0984
2 X 25	-0185	-0825	-0985
2 X 26	-0186	-0826	-0986
2 X 27	-0187	-0827	-0987
2 X 28	-0188	-0828	-0988
2 X 29	-0189	-0829	-0989
2 X 30	-0190	-0830	-0990
2 X 31	-0191	-0831	-0991
2 X 32	-0192	-0832	-0992
2 X 33	-0193	-0833	-0993
2 X 34	-0194	-0834	-0994
2 X 35	-0195	-0835	-0995
2 X 36	-0196	-0836	-0996
2 X 37	-0197	-0837	-0997
2 X 38	-0198	-0838	-0998
2 X 39	-0199	-0839	-0999
2 X 40	90131-0200	90131-0840	90131-1000

DIM C (±0.20) ±.008 (6.75) .266

DIM D (±0.25) ±.010 (4.50) .177

NON-STANDARD PRODUCTS

CHANGE DOC. NO
EC NO: S2012-0490
DRWN:ATSEE 2011/12/21
CHKD:SKANG 2011/12/28
APPR:MLONG 2012/02/24
DESCRIPTION
REV 0

QUALITY SYMBOLS
EA=0
EC=0
EP=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DB DATE: 1987/07/16
CHECKED BY: DB DATE: 1987/07/16
APPROVED BY: MLONG DATE: 2012/02/24

TITLE: C GRID III DUAL ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-90131-001
SHEET NO.: 5 OF 8
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.
2 X 1	90131-0281	90131-0441	90131-0601	90131-1081
2 X 2	-0282	-0442	-0602	-1082
2 X 3	-0283	-0443	-0603	-1083
2 X 4	-0284	-0444	-0604	-1084
2 X 5	-0285	-0445	-0605	-1085
2 X 6	-0286	-0446	-0606	-1086
2 X 7	-0287	-0447	-0607	-1087
2 X 8	-0288	-0448	-0608	-1088
2 X 9	-0289	-0449	-0609	-1089
2 X 10	-0290	-0450	-0610	-1090
2 X 11	-0291	-0451	-0611	-1091
2 X 12	-0292	-0452	-0612	-1092
2 X 13	-0293	-0453	-0613	-1093
2 X 14	-0294	-0454	-0614	-1094
2 X 15	-0295	-0455	-0615	-1095
2 X 16	-0296	-0456	-0616	-1096
2 X 17	-0297	-0457	-0617	-1097
2 X 18	-0298	-0458	-0618	-1098
2 X 19	-0299	-0459	-0619	-1099
2 X 20	-0300	-0460	-0620	-1100
2 X 21	-0301	-0461	-0621	-1101
2 X 22	-0302	-0462	-0622	-1102
2 X 23	-0303	-0463	-0623	-1103
2 X 24	-0304	-0464	-0624	-1104
2 X 25	-0305	-0465	-0625	-1105
2 X 26	-0306	-0466	-0626	-1106
2 X 27	-0307	-0467	-0627	-1107
2 X 28	-0308	-0468	-0628	-1108
2 X 29	-0309	-0469	-0629	-1109
2 X 30	-0310	-0470	-0630	-1110
2 X 31	-0311	-0471	-0631	-1111
2 X 32	-0312	-0472	-0632	-1112
2 X 33	-0313	-0473	-0633	-1113
2 X 34	-0314	-0474	-0634	-1114
2 X 35	-0315	-0475	-0635	-1115
2 X 36	-0316	-0476	-0636	-1116
2 X 37	-0317	-0477	-0637	-1117
2 X 38	-0318	-0478	-0638	-1118
2 X 39	-0319	-0479	-0639	-1119
2 X 40	90131-0320	90131-0480	90131-0640	90131-1120

DIM C (± 0.20) $\pm .008$ (6.75) .266

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

CIRCUIT SIZE	PLATING TYPE B PART NO.	PLATING TYPE C PART NO.	PLATING TYPE D PART NO.	PLATING TYPE G PART NO.
2 X 1	90131-0201	90131-0361	90131-0521	90131-1001
2 X 2	-0202	-0362	-0522	-1002
2 X 3	-0203	-0363	-0523	-1003
2 X 4	-0204	-0364	-0524	-1004
2 X 5	-0205	-0365	-0525	-1005
2 X 6	-0206	-0366	-0526	-1006
2 X 7	-0207	-0367	-0527	-1007
2 X 8	-0208	-0368	-0528	-1008
2 X 9	-0209	-0369	-0529	-1009
2 X 10	-0210	-0370	-0530	-1010
2 X 11	-0211	-0371	-0531	-1011
2 X 12	-0212	-0372	-0532	-1012
2 X 13	-0213	-0373	-0533	-1013
2 X 14	-0214	-0374	-0534	-1014
2 X 15	-0215	-0375	-0535	-1015
2 X 16	-0216	-0376	-0536	-1016
2 X 17	-0217	-0377	-0537	-1017
2 X 18	-0218	-0378	-0538	-1018
2 X 19	-0219	-0379	-0539	-1019
2 X 20	-0220	-0380	-0540	-1020
2 X 21	-0221	-0381	-0541	-1021
2 X 22	-0222	-0382	-0542	-1022
2 X 23	-0223	-0383	-0543	-1023
2 X 24	-0224	-0384	-0544	-1024
2 X 25	-0225	-0385	-0545	-1025
2 X 26	-0226	-0386	-0546	-1026
2 X 27	-0227	-0387	-0547	-1027
2 X 28	-0228	-0388	-0548	-1028
2 X 29	-0229	-0389	-0549	-1029
2 X 30	-0230	-0390	-0550	-1030
2 X 31	-0231	-0391	-0551	-1031
2 X 32	-0232	-0392	-0552	-1032
2 X 33	-0233	-0393	-0553	-1033
2 X 34	-0234	-0394	-0554	-1034
2 X 35	-0235	-0395	-0555	-1035
2 X 36	-0236	-0396	-0556	-1036
2 X 37	-0237	-0397	-0557	-1037
2 X 38	-0238	-0398	-0558	-1038
2 X 39	-0239	-0399	-0559	-1039
2 X 40	90131-0240	90131-0400	90131-0560	90131-1040

DIM C (± 0.20) $\pm .008$ (5.75) .226

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

NON-STANDARD PRODUCTS
NOT FOR GENERAL RELEASE

CHANGE DOC. NO
EC NO: S2012-0490
DRWN:ATSEE 2011/12/21
CH'KD:SKANG 2011/12/28
APPR:MLONG 2012/02/24
DESCRIPTION
REV
0

QUALITY SYMBOLS
$\overline{F_A}$=0
$\overline{F_C}$=0
$\overline{F_P}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DB DATE: 1987/07/16
CHECKED BY: DB DATE: 1987/07/16
APPROVED BY: MLONG DATE: 2012/02/24

TITLE: C GRID III DUAL ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-90131-001
SHEET NO.: 6 OF 8
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.
2 X 1	90131-0241	90131-0401	90131-0561	90131-1041
2 X 2	-0242	-0402	-0562	-1042
2 X 3	-0243	-0403	-0563	-1043
2 X 4	-0244	-0404	-0564	-1044
2 X 5	-0245	-0405	-0565	-1045
2 X 6	-0246	-0406	-0566	-1046
2 X 7	-0247	-0407	-0567	-1047
2 X 8	-0248	-0408	-0568	-1048
2 X 9	-0249	-0409	-0569	-1049
2 X 10	-0250	-0410	-0570	-1050
2 X 11	-0251	-0411	-0571	-1051
2 X 12	-0252	-0412	-0572	-1052
2 X 13	-0253	-0413	-0573	-1053
2 X 14	-0254	-0414	-0574	-1054
2 X 15	-0255	-0415	-0575	-1055
2 X 16	-0256	-0416	-0576	-1056
2 X 17	-0257	-0417	-0577	-1057
2 X 18	-0258	-0418	-0578	-1058
2 X 19	-0259	-0419	-0579	-1059
2 X 20	-0260	-0420	-0580	-1060
2 X 21	-0261	-0421	-0581	-1061
2 X 22	-0262	-0422	-0582	-1062
2 X 23	-0263	-0423	-0583	-1063
2 X 24	-0264	-0424	-0584	-1064
2 X 25	-0265	-0425	-0585	-1065
2 X 26	-0266	-0426	-0586	-1066
2 X 27	-0267	-0427	-0587	-1067
2 X 28	-0268	-0428	-0588	-1068
2 X 29	-0269	-0429	-0589	-1069
2 X 30	-0270	-0430	-0590	-1070
2 X 31	-0271	-0431	-0591	-1071
2 X 32	-0272	-0432	-0592	-1072
2 X 33	-0273	-0433	-0593	-1073
2 X 34	-0274	-0434	-0594	-1074
2 X 35	-0275	-0435	-0595	-1075
2 X 36	-0276	-0436	-0596	-1076
2 X 37	-0277	-0437	-0597	-1077
2 X 38	-0278	-0438	-0598	-1078
2 X 39	-0279	-0439	-0599	-1079
2 X 40	90131-0280	90131-0440	90131-0600	90131-1080

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.
2 X 1	90131-0321	90131-0481	90131-0641	90131-1121
2 X 2	-0322	-0482	-0642	-1122
2 X 3	-0323	-0483	-0643	-1123
2 X 4	-0324	-0484	-0644	-1124
2 X 5	-0325	-0485	-0645	-1125
2 X 6	-0326	-0486	-0646	-1126
2 X 7	-0327	-0487	-0647	-1127
2 X 8	-0328	-0488	-0648	-1128
2 X 9	-0329	-0489	-0649	-1129
2 X 10	-0330	-0490	-0650	-1130
2 X 11	-0331	-0491	-0651	-1131
2 X 12	-0332	-0492	-0652	-1132
2 X 13	-0333	-0493	-0653	-1133
2 X 14	-0334	-0494	-0654	-1134
2 X 15	-0335	-0495	-0655	-1135
2 X 16	-0336	-0496	-0656	-1136
2 X 17	-0337	-0497	-0657	-1137
2 X 18	-0338	-0498	-0658	-1138
2 X 19	-0339	-0499	-0659	-1139
2 X 20	-0340	-0500	-0660	-1140
2 X 21	-0341	-0501	-0661	-1141
2 X 22	-0342	-0502	-0662	-1142
2 X 23	-0343	-0503	-0663	-1143
2 X 24	-0344	-0504	-0664	-1144
2 X 25	-0345	-0505	-0665	-1145
2 X 26	-0346	-0506	-0666	-1146
2 X 27	-0347	-0507	-0667	-1147
2 X 28	-0348	-0508	-0668	-1148
2 X 29	-0349	-0509	-0669	-1149
2 X 30	-0350	-0510	-0670	-1150
2 X 31	-0351	-0511	-0671	-1151
2 X 32	-0352	-0512	-0672	-1152
2 X 33	-0353	-0513	-0673	-1153
2 X 34	-0354	-0514	-0674	-1154
2 X 35	-0355	-0515	-0675	-1155
2 X 36	-0356	-0516	-0676	-1156
2 X 37	-0357	-0517	-0677	-1157
2 X 38	-0358	-0518	-0678	-1158
2 X 39	-0359	-0519	-0679	-1159
2 X 40	90131-0360	90131-0520	90131-0680	90131-1160

DIM C (±0.20) ±.008 (6.75) .266

DIM D (±0.25) ±.010 (4.50) .177

NON-STANDARD PRODUCTS
NOT FOR GENERAL RELEASE

CHANGE DOC. NO
EC NO: S2012-0490
DRWN:ATSEE 2011/12/21
CH'KD:SKANG 2011/12/28
APPR:MLONG 2012/02/24
DESCRIPTION
REV
0

QUALITY SYMBOLS
F_A=0
F_C=0
F_E=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: DB DATE: 1987/07/16
CHECKED BY: DB DATE: 1987/07/16
APPROVED BY: MLONG DATE: 2012/02/24

TITLE: C GRID III DUAL ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-90131-001
SHEET NO.: 7 OF 8
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.	PIN PART NUMBER	WAFER PART NUMBER	DIM C (±0.20) ±.008	DIM D (±0.20) (-0.30) +.008 -.012
2 X 6	90131-3126	90129-2008	90131-0040	(14.60) .575	(2.38) .094
2 X 36	90131-3128	90129-2008	90131-0040	(14.60) .575	(2.38) .094
2 X 40	90131-3127	90129-2008	90131-0040	(14.60) .575	(2.38) .094

STANDARD PRODUCTS

CHANGE DOC. NO
EC NO: S2012-0490
DRWN:ATSEE 2011/12/21
CH'KD:SKANG 2011/12/28
APPR:MLONG 2012/02/24
DESCRIPTION
0
REV

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_P}$=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.20	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: NTS
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

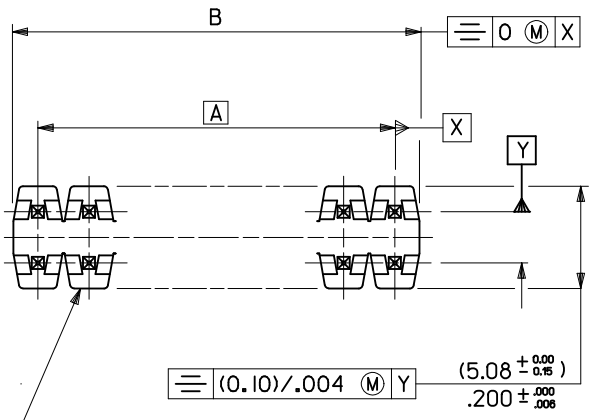
DRAWN BY: DB DATE: 1987/07/16
CHECKED BY: DB DATE: 1987/07/16
APPROVED BY: MLONG DATE: 2012/02/24

TITLE: C GRID III DUAL ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-90131-001
SHEET NO.: 8 OF 8
SIZE: A3

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

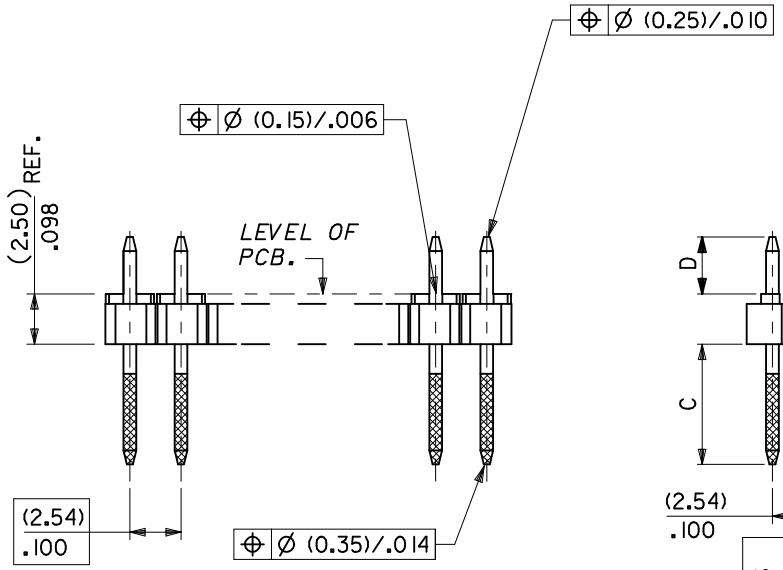


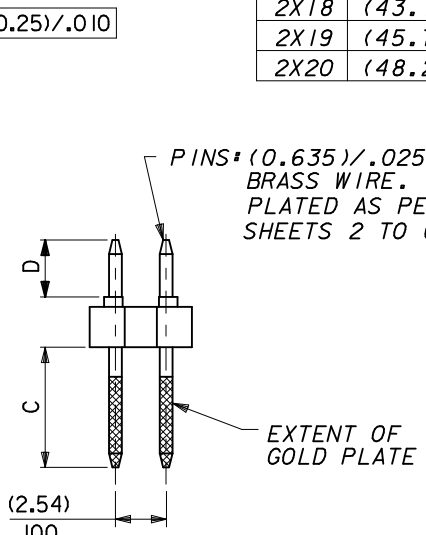
WAFER: 15% GLASS FILLED POLYESTER
TO UL 94V-0.
COLOUR : BLACK.

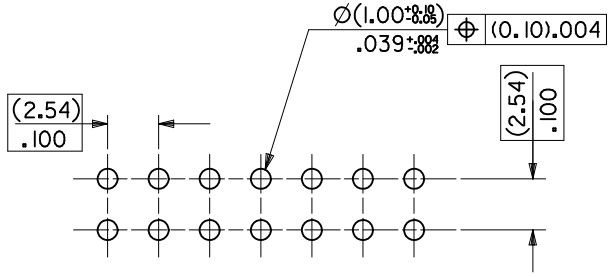
CKT SIZE	DIM." A"	DIM." B" (+0 -0.20) ±0 -.008	CKT SIZE	DIM." A"	DIM." B" (+0 -0.20) ±0 -.008
2X 1	———	(2.54) .100	2X21	(50.80) 2.000	(53.34) 2.100
2X 2	(2.54) .100	(5.08) .200	2X22	(53.34) 2.100	(55.88) 2.200
2X 3	(5.08) .200	(7.62) .300	2X23	(55.88) 2.200	(58.42) 2.300
2X 4	(7.62) .300	(10.16) .400	2X24	(58.42) 2.300	(60.96) 2.400
2X 5	(10.16) .400	(12.70) .500	2X25	(60.96) 2.400	(63.50) 2.500
2X 6	(12.70) .500	(15.24) .600	2X26	(63.50) 2.500	(66.04) 2.600
2X 7	(15.24) .600	(17.78) .700	2X27	(66.04) 2.600	(68.58) 2.700
2X 8	(17.78) .700	(20.32) .800	2X28	(68.58) 2.700	(71.12) 2.800
2X 9	(20.32) .800	(22.86) .900	2X29	(71.12) 2.800	(73.66) 2.900
2X10	(22.86) .900	(25.40) 1.000	2X30	(73.66) 2.900	(76.20) 3.000
2X11	(25.40) 1.000	(27.94) 1.100	2X31	(76.20) 3.000	(78.74) 3.100
2X12	(27.94) 1.100	(30.48) 1.200	2X32	(78.74) 3.100	(81.28) 3.200
2X13	(30.48) 1.200	(33.02) 1.300	2X33	(81.28) 3.200	(83.82) 3.300
2X14	(33.02) 1.300	(35.56) 1.400	2X34	(83.82) 3.300	(86.36) 3.400
2X15	(35.56) 1.400	(38.10) 1.500	2X35	(86.36) 3.400	(88.90) 3.500
2X16	(38.10) 1.500	(40.64) 1.600	2X36	(88.90) 3.500	(91.44) 3.600
2X17	(40.64) 1.600	(43.18) 1.700	2X37	(91.44) 3.600	(93.98) 3.700
2X18	(43.18) 1.700	(45.72) 1.800	2X38	(93.98) 3.700	(96.52) 3.800
2X19	(45.72) 1.800	(48.26) 1.900	2X39	(96.52) 3.800	(99.06) 3.900
2X20	(48.26) 1.900	(50.80) 2.000	2X40	(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 7.







RECOMMENDED P.C. BOARD HOLE PATTERN

NOTES
2. RECOMMENDED PCB THICKNESS 1.6MM
3. PRODUCT SPECIFICATION: PS-99020-0001

7	C
6	H
5	H
4	H
3	H
2	H
1	M

ADDED NOTES
EC NO: E2008-0337 2008/02/14
DRWN: LKIERNAN 2008/02/15
CH'KD: APPR: BMAGUIRE 2008/02/15
DESCRIPTION
REV N

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 ONLY
SCALE: 4:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION
DRAWN BY: DB DATE: 16/7/87
CHECKED BY: DATE
APPROVED BY: DATE
TITLE: C GRID III DUAL ROW STRAIGHT PIN HEADER
MOLEX INCORPORATED
MATERIAL NO.: SEE CHART
DOCUMENT NO.: SDA-90131
SHEET NO.: 1 OF 7
SIZE: A3

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

PART NO. SEE CHART
DWG. NO. SDA-90131

CIRCUIT SIZE	PLATING TYPE A PART NO.	PLATING TYPE E PART NO.	PLATING TYPE F PART NO.
2 X 1	90131-0121	90131-0761	90131-0921
2 X 2	-0122	-0762	-0922
2 X 3	-0123	-0763	-0923
2 X 4	-0124	-0764	-0924
2 X 5	-0125	-0765	-0925
2 X 6	-0126	-0766	-0926
2 X 7	-0127	-0767	-0927
2 X 8	-0128	-0768	-0928
2 X 9	-0129	-0769	-0929
2 X 10	-0130	-0770	-0930
2 X 11	-0131	-0771	-0931
2 X 12	-0132	-0772	-0932
2 X 13	-0133	-0773	-0933
2 X 14	-0134	-0774	-0934
2 X 15	-0135	-0775	-0935
2 X 16	-0136	-0776	-0936
2 X 17	-0137	-0777	-0937
2 X 18	-0138	-0778	-0938
2 X 19	-0139	-0779	-0939
2 X 20	-0140	-0780	-0940
2 X 21	-0141	-0781	-0941
2 X 22	-0142	-0782	-0942
2 X 23	-0143	-0783	-0943
2 X 24	-0144	-0784	-0944
2 X 25	-0145	-0785	-0945
2 X 26	-0146	-0786	-0946
2 X 27	-0147	-0787	-0947
2 X 28	-0148	-0788	-0948
2 X 29	-0149	-0789	-0949
2 X 30	-0150	-0790	-0950
2 X 31	-0151	-0791	-0951
2 X 32	-0152	-0792	-0952
2 X 33	-0153	-0793	-0953
2 X 34	-0154	-0794	-0954
2 X 35	-0155	-0795	-0955
2 X 36	-0156	-0796	-0956
2 X 37	-0157	-0797	-0957
2 X 38	-0158	-0798	-0958
2 X 39	-0159	-0799	-0959
2 X 40	90131-0160	90131-0800	90131-0960

DIM C (± 0.20) $\pm .008$
(6.75)
.266

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

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

STANDARD PRODUCTS

FOR PREVIOUS DRAWING ISSUES SEE MRI.

LTR	REVISIONS
H	SEE SHEET 1.

DIMENSIONS SHOWN (METRIC) INCH
UNLESS OTHERWISE SPECIFIED TOLERANCES: ANGULAR ± ½°

	INCH	(METRIC)
3 PLACE	± .---	± ---
2 PLACE	± .---	± ---
1 PLACE		± ---

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DESIGN DIMENSION (PRIMARY) ☒ (MM) ☐ IN.
EQUIVALENT DIMENSION (SECONDARY) ☐ (MM) ☒ IN.

DRWG BY: DB
CHK'D BY:
APP'D BY:
SCALE:

REVISE ONLY ON CAD SYSTEM | SH. | REV.

CADCAM FILENAME SA9013IX2 DGN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INC. & SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TITLE
C-GRID III
DUAL ROW STRAIGHT
PIN HEADER

molex MOLEX EUROPE

SHEET NO. 20F
DATE 16/ 7/87

PART NO. SEE CHART
DWG NO. SDA-90131
SIZE B

7132-1283