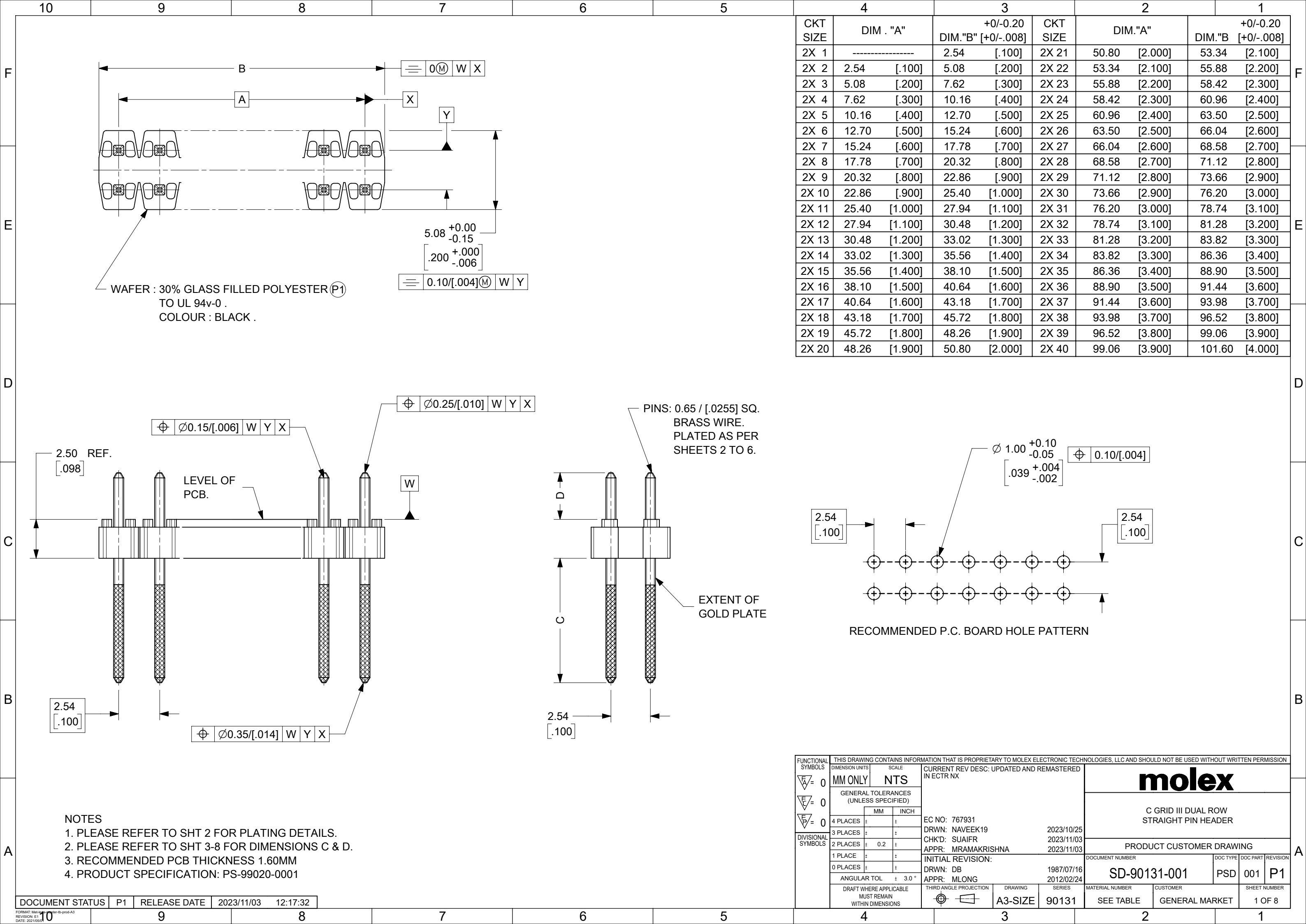




PLATING OPTIONS	PLATING DESCRIPTION
A	3.00µm MIN TIN OVER 1.27MIN NICKEL OVERALL
B	0.38µm MIN GOLD IN SELECTED AREA AND 3.00µm MIN TIN IN SELECTED AREA AND 1.30µm MIN NICKEL OVERALL
C	0.76µm MIN GOLD IN SELECTED AREA AND 3.00µm MIN TIN IN SELECTED AREA AND 1.30µm MIN NICKEL OVERALL
D	0.05-0.10µm GOLD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

FUNCTIONAL SYMBOLS

FA

=

0

FE

=

0

Fp

=

0

DIVISIONAL SYMBOLS

DIMENSION UNITS

MM ONLY

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	0.2 ±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	±	3.0 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CURRENT REV DESC: UPDATED AND REMASTERED IN ECTR NX

EC NO: 767931

DRWN: NAVEEK19

CHK'D: SUAIFR

APPR: MRAMAKRISHNA

2023/10/25

2023/11/03

2023/11/03

INITIAL REVISION:

DRWN: DB

APPR: MLONG

1987/07/16

2012/02/24

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SD-90131-001

SEE TABLE

GENERAL MARKET

2 OF 8

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

molex

C GRID III DUAL ROW STRAIGHT PIN HEADER

10		9		8		7		6		5		4		3		2		1	
F			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	90131 - 0122	90131 - 0762	90131 - 0922													
			2 X 3	90131 - 0123	90131 - 0763	90131 - 0923													
			2 X 4	90131 - 0124	90131 - 0764	90131 - 0924													
			2 X 5	90131 - 0125	90131 - 0765	90131 - 0925													
			2 X 6	90131 - 0126	90131 - 0766	90131 - 0926													
			2 X 7	90131 - 0127	90131 - 0767	90131 - 0927													
			2 X 8	90131 - 0128	90131 - 0768	90131 - 0928													
E	DIM C ±0.20 [±.008] 6.75 [.266]		2 X 9	90131 - 0129	90131 - 0769	90131 - 0929													
			2 X 10	90131 - 0130	90131 - 0770	90131 - 0930													
			2 X 11	90131 - 0131	90131 - 0771	90131 - 0931													
			2 X 12	90131 - 0132	90131 - 0772	90131 - 0932													
			2 X 13	90131 - 0133	90131 - 0773	90131 - 0933													
			2 X 14	90131 - 0134	90131 - 0774	90131 - 0934													
			2 X 15	90131 - 0135	90131 - 0775	90131 - 0935													
			2 X 16	90131 - 0136	90131 - 0776	90131 - 0936													
			2 X 17	90131 - 0137	90131 - 0777	90131 - 0937													
D	DIM D +0.20/-0.30 [+.008/-012] 2.90 [.114]		2 X 18	90131 - 0138	90131 - 0778	90131 - 0938													
			2 X 19	90131 - 0139	90131 - 0779	90131 - 0939													
			2 X 20	90131 - 0140	90131 - 0780	90131 - 0940													
			2 X 21	90131 - 0141	90131 - 0781	90131 - 0941													
			2 X 22	90131 - 0142	90131 - 0782	90131 - 0942													
			2 X 23	90131 - 0143	90131 - 0783	90131 - 0943													
			2 X 24	90131 - 0144	90131 - 0784	90131 - 0944													
			2 X 25	90131 - 0145	90131 - 0785	90131 - 0945													
			2 X 26	90131 - 0146	90131 - 0786	90131 - 0946													
C			2 X 27	90131 - 0147	90131 - 0787	90131 - 0947													
			2 X 28	90131 - 0148	90131 - 0788	90131 - 0948													
			2 X 29	90131 - 0149	90131 - 0789	90131 - 0949													
			2 X 30	90131 - 0150	90131 - 0790	90131 - 0950													
			2 X 31	90131 - 0151	90131 - 0791	90131 - 0951													
			2 X 32	90131 - 0152	90131 - 0792	90131 - 0952													
			2 X 33	90131 - 0153	90131 - 0793	90131 - 0953													
			2 X 34	90131 - 0154	90131 - 0794	90131 - 0954													
			2 X 35	90131 - 0155	90131 - 0795	90131 - 0955													
B			2 X 36	90131 - 0156	90131 - 0796	90131 - 0956													
			2 X 37	90131 - 0157	90131 - 0797	90131 - 0957													
			2 X 38	90131 - 0158	90131 - 0798	90131 - 0958													
			2 X 39	90131 - 0159	90131 - 0799	90131 - 0959													
			2 X 40	90131 - 0160	90131 - 0800	90131 - 0960													
STANDARD PRODUCTS																			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
FUNCTIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATED AND REMASTERED IN ECTR NX				molex									
E A = 0		MM ONLY		NTS		EC NO: 767931 DRWN: NAVEEK19 2023/10/25 CHK'D: SUAIFR 2023/11/03 APPR: MRAMAKRISHNA 2023/11/03 INITIAL REVISION: DRWN: DB 1987/07/16 APPR: MLONG 2012/02/24				C GRID III DUAL ROW STRAIGHT PIN HEADER									
E F = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)																	
E P = 0		MM INCH																	
DIVISIONAL SYMBOLS																			
		4 PLACES ±								PRODUCT CUSTOMER DRAWING									
		3 PLACES ±								DOCUMENT NUMBER									
		2 PLACES ± 0.2								SD-90131-001									
		1 PLACE ±								DOC TYPE									
		0 PLACES ±								DOC PART									
		ANGULAR TOL ± 3.0 °								REVISION									
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE				90131		SEE TABLE		GENERAL MARKET		3 OF 8			
DOCUMENT STATUS		P1		RELEASE DATE		2023/11/03 12:17:32													
10		9		8		7		6		5		4		3		2		1	

FORMAT: Molex
REVISION: E1
DATE: 2021/05/01

[illegible]

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F																					
E																					
D																					
C																					
B																					
A																					
10		9		8		7		6		5		4		3		2		1			
10		9		8		7		6		5		4		3		2		1			
10		9		8		7		6		5		4		3		2		1			
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10		9		8		7		6		5		4		3		2		1			
10		9		8		7		6		5		4		3		2		1			
10		9		8		7		6		5		4		3		2		1			
10		9		8		7		6		5		4		3		2		1			
10		9		8		7		6		5		4		3		2		1			
10		9		8		7		6		5		4		3		2		1			
10		9		8		7		6		5		4		3		2		1			
10		9		8		7		6		5		4		3		2		1			
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10		9		8		7		6		5		4		3		2		1			
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10		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.						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 1	90131 - 0321	90131 - 0481	90131 - 0641	90131 - 1121						
		2 X 2	90131 - 0242	90131 - 0402	90131 - 0562	90131 - 1042						2 X 2	90131 - 0322	90131 - 0482	90131 - 0642	90131 - 1122						
		2 X 3	90131 - 0243	90131 - 0403	90131 - 0563	90131 - 1043						2 X 3	90131 - 0323	90131 - 0483	90131 - 0643	90131 - 1123						
		2 X 4	90131 - 0244	90131 - 0404	90131 - 0564	90131 - 1044						2 X 4	90131 - 0324	90131 - 0484	90131 - 0644	90131 - 1124						
		2 X 5	90131 - 0245	90131 - 0405	90131 - 0565	90131 - 1045						2 X 5	90131 - 0325	90131 - 0485	90131 - 0645	90131 - 1125						
		2 X 6	90131 - 0246	90131 - 0406	90131 - 0566	90131 - 1046						2 X 6	90131 - 0326	90131 - 0486	90131 - 0646	90131 - 1126						
		2 X 7	90131 - 0247	90131 - 0407	90131 - 0567	90131 - 1047						2 X 7	90131 - 0327	90131 - 0487	90131 - 0647	90131 - 1127						
		2 X 8	90131 - 0248	90131 - 0408	90131 - 0568	90131 - 1048						2 X 8	90131 - 0328	90131 - 0488	90131 - 0648	90131 - 1128						
		2 X 9	90131 - 0249	90131 - 0409	90131 - 0569	90131 - 1049						2 X 9	90131 - 0329	90131 - 0489	90131 - 0649	90131 - 1129						
E	DIM C ±0.20 [±.008] 5.75 [.226]	2 X 10	90131 - 0250	90131 - 0410	90131 - 0570	90131 - 1050						2 X 10	90131 - 0330	90131 - 0490	90131 - 0650	90131 - 1130						
		2 X 11	90131 - 0251	90131 - 0411	90131 - 0571	90131 - 1051						2 X 11	90131 - 0331	90131 - 0491	90131 - 0651	90131 - 1131						
		2 X 12	90131 - 0252	90131 - 0412	90131 - 0572	90131 - 1052						2 X 12	90131 - 0332	90131 - 0492	90131 - 0652	90131 - 1132						
		2 X 13	90131 - 0253	90131 - 0413	90131 - 0573	90131 - 1053						2 X 13	90131 - 0333	90131 - 0493	90131 - 0653	90131 - 1133						
		2 X 14	90131 - 0254	90131 - 0414	90131 - 0574	90131 - 1054						2 X 14	90131 - 0334	90131 - 0494	90131 - 0654	90131 - 1134						
D	DIM D ±0.25 [±.010] 4.50 [.117]	2 X 15	90131 - 0255	90131 - 0415	90131 - 0575	90131 - 1055						2 X 15	90131 - 0335	90131 - 0495	90131 - 0655	90131 - 1135						
		2 X 16	90131 - 0256	90131 - 0416	90131 - 0576	90131 - 1056						2 X 16	90131 - 0336	90131 - 0496	90131 - 0656	90131 - 1136						
		2 X 17	90131 - 0257	90131 - 0417	90131 - 0577	90131 - 1057						2 X 17	90131 - 0337	90131 - 0497	90131 - 0657	90131 - 1137						
		2 X 18	90131 - 0258	90131 - 0418	90131 - 0578	90131 - 1058						2 X 18	90131 - 0338	90131 - 0498	90131 - 0658	90131 - 1138						
		2 X 19	90131 - 0259	90131 - 0419	90131 - 0579	90131 - 1059						2 X 19	90131 - 0339	90131 - 0499	90131 - 0659	90131 - 1139						
D		2 X 20	90131 - 0260	90131 - 0420	90131 - 0580	90131 - 1060						2 X 20	90131 - 0340	90131 - 0500	90131 - 0660	90131 - 1140						
		2 X 21	90131 - 0261	90131 - 0421	90131 - 0581	90131 - 1061						2 X 21	90131 - 0341	90131 - 0501	90131 - 0661	90131 - 1141						
		2 X 22	90131 - 0262	90131 - 0422	90131 - 0582	90131 - 1062						2 X 22	90131 - 0342	90131 - 0502	90131 - 0662	90131 - 1142						
		2 X 23	90131 - 0263	90131 - 0423	90131 - 0583	90131 - 1063						2 X 23	90131 - 0343	90131 - 0503	90131 - 0663	90131 - 1143						
		2 X 24	90131 - 0264	90131 - 0424	90131 - 0584	90131 - 1064						2 X 24	90131 - 0344	90131 - 0504	90131 - 0664	90131 - 1144						
		2 X 25	90131 - 0265	90131 - 0425	90131 - 0585	90131 - 1065						2 X 25	90131 - 0345	90131 - 0505	90131 - 0665	90131 - 1145						
		2 X 26	90131 - 0266	90131 - 0426	90131 - 0586	90131 - 1066						2 X 26	90131 - 0346	90131 - 0506	90131 - 0666	90131 - 1146						
		2 X 27	90131 - 0267	90131 - 0427	90131 - 0587	90131 - 1067						2 X 27	90131 - 0347	90131 - 0507	90131 - 0667	90131 - 1147						
		2 X 28	90131 - 0268	90131 - 0428	90131 - 0588	90131 - 1068						2 X 28	90131 - 0348	90131 - 0508	90131 - 0668	90131 - 1148						
		2 X 29	90131 - 0269	90131 - 0429	90131 - 0589	90131 - 1069						2 X 29	90131 - 0349	90131 - 0509	90131 - 0669	90131 - 1149						
C		2 X 30	90131 - 0270	90131 - 0430	90131 - 0590	90131 - 1070						2 X 30	90131 - 0350	90131 - 0510	90131 - 0670	90131 - 1150						
		2 X 31	90131 - 0271	90131 - 0431	90131 - 0591	90131 - 1071						2 X 31	90131 - 0351	90131 - 0511	90131 - 0671	90131 - 1151						
		2 X 32	90131 - 0272	90131 - 0432	90131 - 0592	90131 - 1072						2 X 32	90131 - 0352	90131 - 0512	90131 - 0672	90131 - 1152						
		2 X 33	90131 - 0273	90131 - 0433	90131 - 0593	90131 - 1073						2 X 33	90131 - 0353	90131 - 0513	90131 - 0673	90131 - 1153						
		2 X 34	90131 - 0274	90131 - 0434	90131 - 0594	90131 - 1074						2 X 34	90131 - 0354	90131 - 0514	90131 - 0674	90131 - 1154						
		2 X 35	90131 - 0275	90131 - 0435	90131 - 0595	90131 - 1075						2 X 35	90131 - 0355	90131 - 0515	90131 - 0675	90131 - 1155						
		2 X 36	90131 - 0276	90131 - 0436	90131 - 0596	90131 - 1076						2 X 36	90131 - 0356	90131 - 0516	90131 - 0676	90131 - 1156						
		2 X 37	90131 - 0277	90131 - 0437	90131 - 0597	90131 - 1077						2 X 37	90131 - 0357	90131 - 0517	90131 - 0677	90131 - 1157						
		2 X 38	90131 - 0278	90131 - 0438	90131 - 0598	90131 - 1078						2 X 38	90131 - 0358	90131 - 0518	90131 - 0678	90131 - 1158						
		2 X 39	90131 - 0279	90131 - 0439	90131 - 0599	90131 - 1079						2 X 39	90131 - 0359	90131 - 0519	90131 - 0679	90131 - 1159						
B		2 X 40	90131 - 0280	90131 - 0440	90131 - 0600	90131 - 1080						2 X 40	90131 - 0360	90131 - 0520	90131 - 0680	90131 - 1160						
A	NON-STANDARD PRODUCTS NOT FOR GENERAL RELEASE												FUNCTIONAL SYMBOLS THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS SCALE CURRENT REV DESC: UPDATED AND REMASTERED IN ECTR NX GENERAL TOLERANCES (UNLESS SPECIFIED) MM INCH 4 PLACES ± ± 3 PLACES ± ± 2 PLACES ± 0.2 ± 1 PLACE ± ± 0 PLACES ± ± ANGULAR TOL ± 3.0 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION DRAWING SERIES MATERIAL NUMBER CUSTOMER SHEET NUMBER						molex C GRID III DUAL ROW STRAIGHT PIN HEADER PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER DOC TYPE DOC PART REVISION SD-90131-001 PSD 001 P1 SEE TABLE GENERAL MARKET 7 OF 8			
	DOCUMENT STATUS	P1	RELEASE DATE	2023/11/03	12:17:32																	
	10		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.	PIN PART NUMBER	WAFER PART NUMBER	±0.20 DIM C [±.008]	+0.20/-0.30 DIM D [+0.008/-0.012]
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

FUNCTIONAL
SYMBOLS

FA=

0

FE=

0

Fp=

0

DIVISIONAL
SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

MM ONLY

SCALE

NTS

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	± 0.2	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 3.0 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

CURRENT REV DESC: UPDATED AND REMASTERED
IN ECTR NX

EC NO: 767931

DRWN: NAVEEK19

CHK'D: SUAIFR

APPR: MRAMAKRISHNA

2023/10/25

2023/11/03

2023/11/03

INITIAL REVISION:

DRWN: DB

APPR: MLONG

1987/07/16

2012/02/24

DOCUMENT NUMBER

SD-90131-001

DOC TYPE

PSD

DOC PART

001

REVISION

P1

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-90131-001

CUSTOMER

GENERAL MARKET

SHEET NUMBER

8 OF 8

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

90131

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

molex

C GRID III DUAL ROW
STRAIGHT PIN HEADER