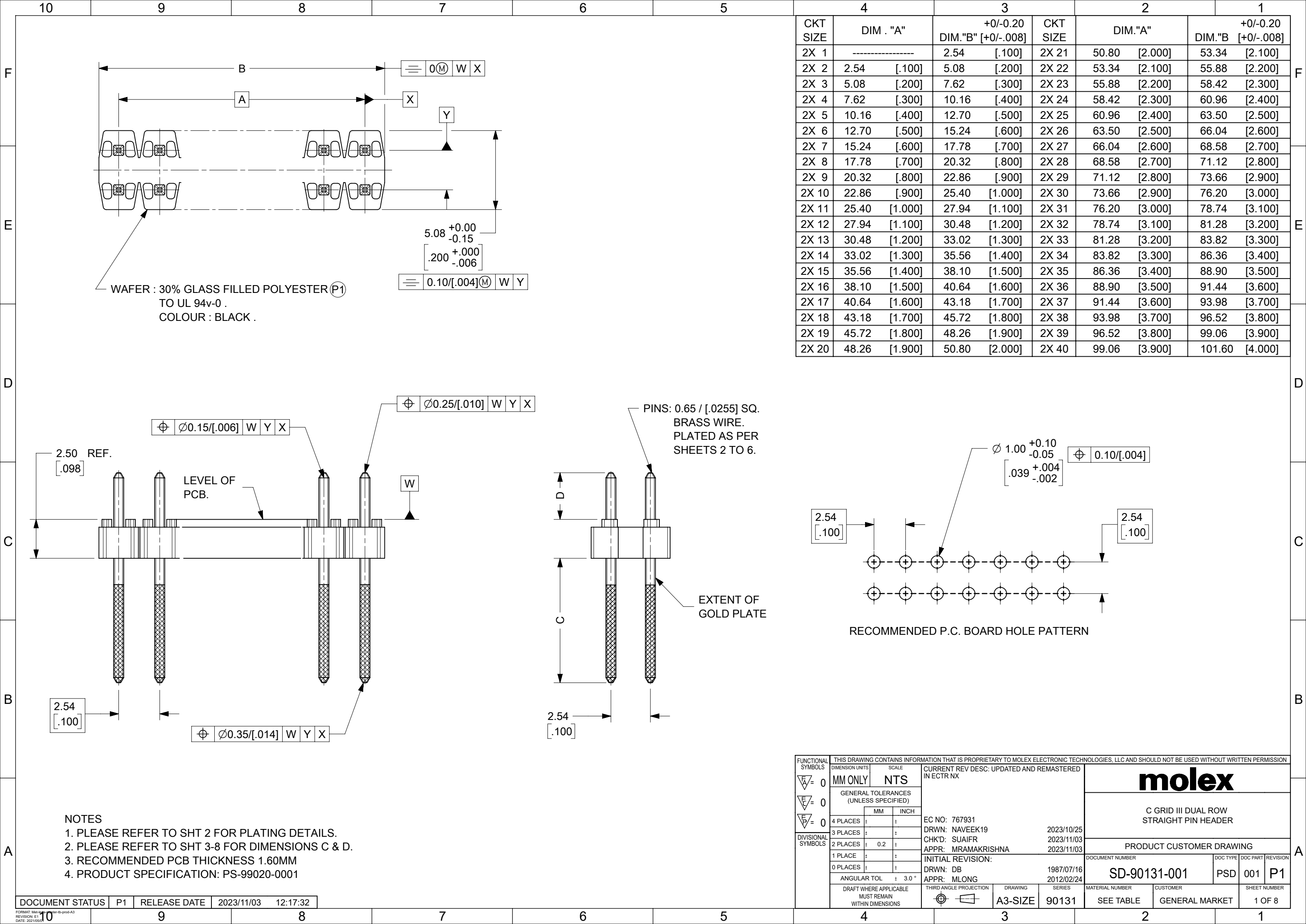




PLATING OPTIONS	PLATING DESCRIPTION
A	3.00µm MIN TIN OVER 1.27MIN NICKEL OVERALL
B	0.38µm MIN GOLD IN SELECTED AREA AND 3.00µm MIN TIN IN SELECTED AREA AND 1.30µm MIN NICKEL OVERALL
C	0.76µm MIN GOLD IN SELECTED AREA AND 3.00µm MIN TIN IN SELECTED AREA AND 1.30µm MIN NICKEL OVERALL
D	0.05-0.10µm GOLD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

FEP

=

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

INITIAL REVISION:

DRWN: DB

APPR: MLONG

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2023/10/25

2023/11/03

2023/11/03

1987/07/16

2012/02/24

A3-SIZE

90131

SEE TABLE

GENERAL MARKET

2 OF 8

DOCUMENT NUMBER

SD-90131-001

DOC TYPE

PSD

DOC PART

001

REVISION

P1

molex

C GRID III DUAL ROW STRAIGHT PIN HEADER

PRODUCT CUSTOMER DRAWING

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.														F		
			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																
			D	DIM D +0.20/-0.30 [+.008/-0.12] 2.90 [.114]		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
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																
C			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																
			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																
B			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																
			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																
			A	STANDARD PRODUCTS																		

DOCUMENT STATUS		P1	RELEASE DATE	2023/11/03	12:17:32
-----------------	--	----	--------------	------------	----------

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	0	DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATED AND REMASTERED IN ECTR NX								
		0	GENERAL TOLERANCES (UNLESS SPECIFIED)											
				MM	INCH									
	0	4 PLACES	±		±	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				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	3 PLACES	±		±	SD-90131-001					PSD	001	P1		
	2 PLACES	±	0.2	±	SEE TABLE					GENERAL MARKET		3 OF 8		
	1 PLACE	±		±										
	0 PLACES	±		±										
	ANGULAR TOL		±	3.0 °										
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING					SERIES	MATERIAL NUMBER		CUSTOMER	
				A3-SIZE	90131	SEE TABLE		GENERAL MARKET		3 OF 8				

[illegible]

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.													F
			2 X 1	90131 - 0161	90131 - 0801	90131 - 0961													
			2 X 2	90131 - 0162	90131 - 0802	90131 - 0962													
			2 X 3	90131 - 0163	90131 - 0803	90131 - 0963													
			2 X 4	90131 - 0164	90131 - 0804	90131 - 0964													
			2 X 5	90131 - 0165	90131 - 0805	90131 - 0965													
			2 X 6	90131 - 0166	90131 - 0806	90131 - 0966													
			2 X 7	90131 - 0167	90131 - 0807	90131 - 0967													
			2 X 8	90131 - 0168	90131 - 0808	90131 - 0968													
			2 X 9	90131 - 0169	90131 - 0809	90131 - 0969													
E		DIM C ±0.20 [±.008] 6.75 [.266]	2 X 10	90131 - 0170	90131 - 0810	90131 - 0970													
			2 X 11	90131 - 0171	90131 - 0811	90131 - 0971													
			2 X 12	90131 - 0172	90131 - 0812	90131 - 0972													
			2 X 13	90131 - 0173	90131 - 0813	90131 - 0973													
			2 X 14	90131 - 0174	90131 - 0814	90131 - 0974													
			2 X 15	90131 - 0175	90131 - 0815	90131 - 0975													
			2 X 16	90131 - 0176	90131 - 0816	90131 - 0976													
			2 X 17	90131 - 0177	90131 - 0817	90131 - 0977													
			2 X 18	90131 - 0178	90131 - 0818	90131 - 0978													
			2 X 19	90131 - 0179	90131 - 0819	90131 - 0979													
D		DIM D ±0.25 [±.010] 4.50 [.117]	2 X 20	90131 - 0180	90131 - 0820	90131 - 0980													
			2 X 21	90131 - 0181	90131 - 0821	90131 - 0981													
			2 X 22	90131 - 0182	90131 - 0822	90131 - 0982													
			2 X 23	90131 - 0183	90131 - 0823	90131 - 0983													
			2 X 24	90131 - 0184	90131 - 0824	90131 - 0984													
			2 X 25	90131 - 0185	90131 - 0825	90131 - 0985													
			2 X 26	90131 - 0186	90131 - 0826	90131 - 0986													
			2 X 27	90131 - 0187	90131 - 0827	90131 - 0987													
			2 X 28	90131 - 0188	90131 - 0828	90131 - 0988													
			2 X 29	90131 - 0189	90131 - 0829	90131 - 0989													
C			2 X 30	90131 - 0190	90131 - 0830	90131 - 0990													
			2 X 31	90131 - 0191	90131 - 0831	90131 - 0991													
			2 X 32	90131 - 0192	90131 - 0832	90131 - 0992													
			2 X 33	90131 - 0193	90131 - 0833	90131 - 0993													
			2 X 34	90131 - 0194	90131 - 0834	90131 - 0994													
			2 X 35	90131 - 0195	90131 - 0835	90131 - 0995													
			2 X 36	90131 - 0196	90131 - 0836	90131 - 0996													
			2 X 37	90131 - 0197	90131 - 0837	90131 - 0997													
			2 X 38	90131 - 0198	90131 - 0838	90131 - 0998													
			2 X 39	90131 - 0199	90131 - 0839	90131 - 0999													
B			2 X 40	90131 - 0200	90131 - 0840	90131 - 1000													
A			NON-STANDARD PRODUCTS																A
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			
F			CIRCUIT SIZE	PLATING TYPE B PART NO.	PLATING TYPE C PART NO.	PLATING TYPE D PART NO.	PLATING TYPE G PART NO.												F		
		2 X 1	90131 - 0281	90131 - 0441	90131 - 0601	90131 - 1081															
		2 X 2	90131 - 0282	90131 - 0442	90131 - 0602	90131 - 1082															
		2 X 3	90131 - 0283	90131 - 0443	90131 - 0603	90131 - 1083															
		2 X 4	90131 - 0284	90131 - 0444	90131 - 0604	90131 - 1084															
		2 X 5	90131 - 0285	90131 - 0445	90131 - 0605	90131 - 1085															
		2 X 6	90131 - 0286	90131 - 0446	90131 - 0606	90131 - 1086															
		2 X 7	90131 - 0287	90131 - 0447	90131 - 0607	90131 - 1087															
		2 X 8	90131 - 0288	90131 - 0448	90131 - 0608	90131 - 1088															
		2 X 9	90131 - 0289	90131 - 0449	90131 - 0609	90131 - 1089															
E		DIM C ±0.20 [±.008] 6.75 [.266]	2 X 10	90131 - 0290	90131 - 0450	90131 - 0610	90131 - 1090												E		
			2 X 11	90131 - 0291	90131 - 0451	90131 - 0611	90131 - 1091														
			2 X 12	90131 - 0292	90131 - 0452	90131 - 0612	90131 - 1092														
			2 X 13	90131 - 0293	90131 - 0453	90131 - 0613	90131 - 1093														
			2 X 14	90131 - 0294	90131 - 0454	90131 - 0614	90131 - 1094														
D		DIM D +0.20/-0.30 [+.008/-0.012] 2.90 [.114]	2 X 15	90131 - 0295	90131 - 0455	90131 - 0615	90131 - 1095												D		
			2 X 16	90131 - 0296	90131 - 0456	90131 - 0616	90131 - 1096														
			2 X 17	90131 - 0297	90131 - 0457	90131 - 0617	90131 - 1097														
			2 X 18	90131 - 0298	90131 - 0458	90131 - 0618	90131 - 1098														
			2 X 19	90131 - 0299	90131 - 0459	90131 - 0619	90131 - 1099														
			2 X 20	90131 - 0300	90131 - 0460	90131 - 0620	90131 - 1100														
			2 X 21	90131 - 0301	90131 - 0461	90131 - 0621	90131 - 1101														
			2 X 22	90131 - 0302	90131 - 0462	90131 - 0622	90131 - 1102														
			2 X 23	90131 - 0303	90131 - 0463	90131 - 0623	90131 - 1103														
			2 X 24	90131 - 0304	90131 - 0464	90131 - 0624	90131 - 1104														
C			2 X 25	90131 - 0305	90131 - 0465	90131 - 0625	90131 - 1105												C		
		2 X 26	90131 - 0306	90131 - 0466	90131 - 0626	90131 - 1106															
		2 X 27	90131 - 0307	90131 - 0467	90131 - 0627	90131 - 1107															
		2 X 28	90131 - 0308	90131 - 0468	90131 - 0628	90131 - 1108															
		2 X 29	90131 - 0309	90131 - 0469	90131 - 0629	90131 - 1109															
		2 X 30	90131 - 0310	90131 - 0470	90131 - 0630	90131 - 1110															
		2 X 31	90131 - 0311	90131 - 0471	90131 - 0631	90131 - 1111															
		2 X 32	90131 - 0312	90131 - 0472	90131 - 0632	90131 - 1112															
		2 X 33	90131 - 0313	90131 - 0473	90131 - 0633	90131 - 1113															
		2 X 34	90131 - 0314	90131 - 0474	90131 - 0634	90131 - 1114															
B			2 X 35	90131 - 0315	90131 - 0475	90131 - 0635	90131 - 1115												B		
		2 X 36	90131 - 0316	90131 - 0476	90131 - 0636	90131 - 1116															
		2 X 37	90131 - 0317	90131 - 0477	90131 - 0637	90131 - 1117															
		2 X 38	90131 - 0318	90131 - 0478	90131 - 0638	90131 - 1118															
		2 X 39	90131 - 0319	90131 - 0479	90131 - 0639	90131 - 1119															
		2 X 40	90131 - 0320	90131 - 0480	90131 - 0640	90131 - 1120															

[illegible]

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

SCALE

MM ONLY

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

INITIAL REVISION:

DRWN: DB

APPR: MLONG

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2023/10/25

2023/11/03

2023/11/03

1987/07/16

2012/02/24

A3-SIZE

90131

SEE TABLE

GENERAL MARKET

8 OF 8

molex

C GRID III DUAL ROW STRAIGHT PIN HEADER

PRODUCT CUSTOMER DRAWING

SD-90131-001

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

2023/11/03

PSD

001

P1