

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

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

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

A3-SIZE

90131

SEE TABLE

GENERAL MARKET

2 OF 8

SD-90131-001

PSD

001

P1

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

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																			
			DOCUMENT STATUS		P1	RELEASE DATE	2023/11/03	12:17:32														
			10		9		8		7		6		5		4		3		2		1	

FUNCTIONAL SYMBOLS

FA=

0

FE=

0

FP=

0

DIVISIONAL SYMBOLS

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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

EC NO: 767931

DRWN: NAVEEK19

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APPR: MRAMAKRISHNA

INITIAL REVISION:

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APPR: MLONG

1987/07/16

2012/02/24

A3-SIZE

90131

SEE TABLE

GENERAL MARKET

3 OF 8

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

SD-90131-001

PSD

001

P1

molex

C GRID III DUAL ROW
STRAIGHT PIN HEADER

PRODUCT CUSTOMER DRAWING

[illegible]

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	DIM C ±0.20 [±.008] 5.75 [.226]												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	DIM D +0.20/-0.30 [+.008/-0.012] 2.90 [.114]												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															
A		NON-STANDARD PRODUCTS NOT FOR GENERAL RELEASE																A			
DOCUMENT STATUS		P1	RELEASE DATE	2023/11/03	12:17:32	7		6		5		4		3		2		1			
10		9		8		7		6		5		4		3		2		1			

[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

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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
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EC NO: 767931

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2023/10/25

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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