

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

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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

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

molex

C GRID III DUAL ROW STRAIGHT PIN HEADER

PRODUCT CUSTOMER DRAWING

10987654321

F

E

D

C

B

A

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														
D	DIM D +0.20/-0.30 [+.008/-012] 2.90 [.114]		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														
			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														
			2 X 27	90131 - 0147	90131 - 0787	90131 - 0947														
			2 X 28	90131 - 0148	90131 - 0788	90131 - 0948														
C			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														
			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														
B			2 X 39	90131 - 0159	90131 - 0799	90131 - 0959														
			2 X 40	90131 - 0160	90131 - 0800	90131 - 0960														
A		STANDARD PRODUCTS															A			
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

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

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

90131

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

3 OF 8

CURRENT REV DESC: UPDATED AND REMASTERED IN ECTR NX

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DOCUMENT NUMBER

SD-90131-001

DOC TYPE

PSD

DOC PART

001

REVISION

P1

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[illegible]

[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												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																	
			NON-STANDARD PRODUCTS NOT FOR GENERAL RELEASE																					
			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

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 °	

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1987/07/16
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THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

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SD-90131-001

PSD

001

P1

SEE TABLE

GENERAL MARKET

6 OF 8

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

SD-90131-001

PSD

001

P1

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

DOC TYPE

DOC PART

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SD-90131-001

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PSD

001

P1

PRODUCT

[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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ANGULAR TOL ± 3.0 °

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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

PSD

001

P1