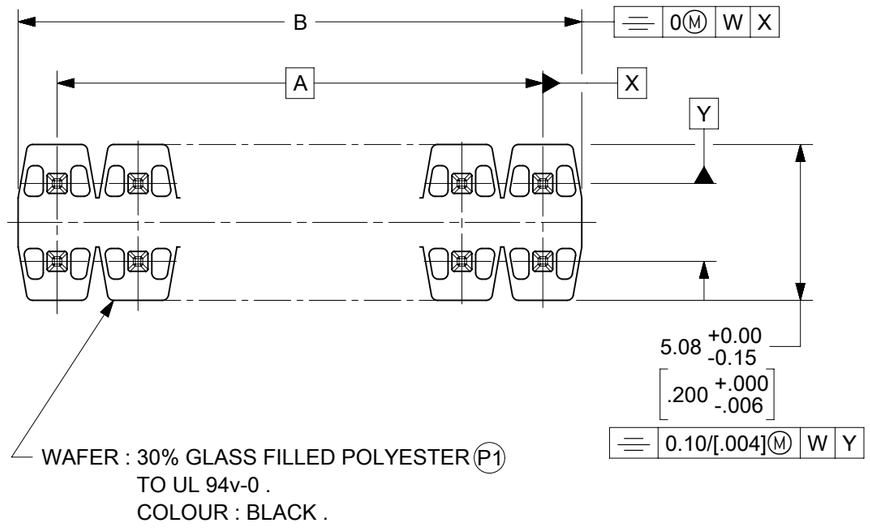
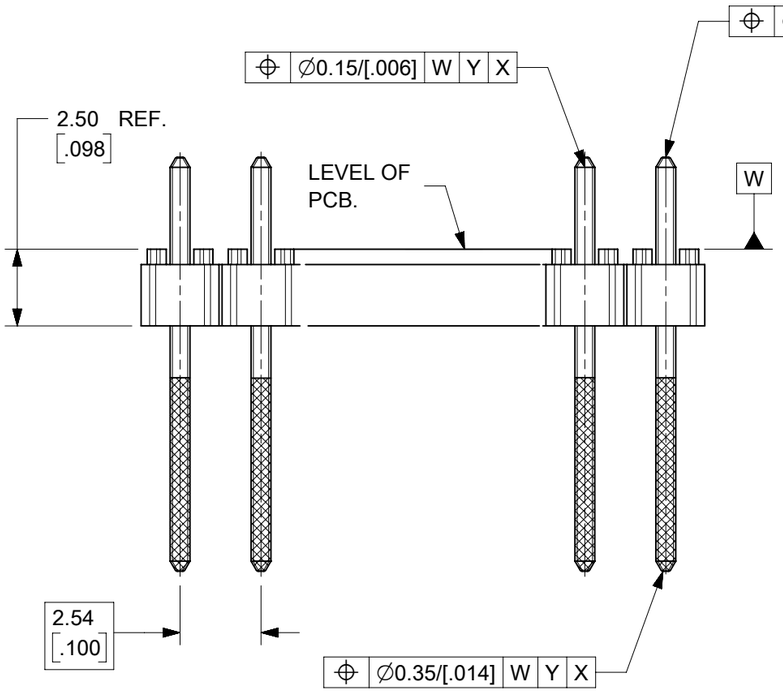
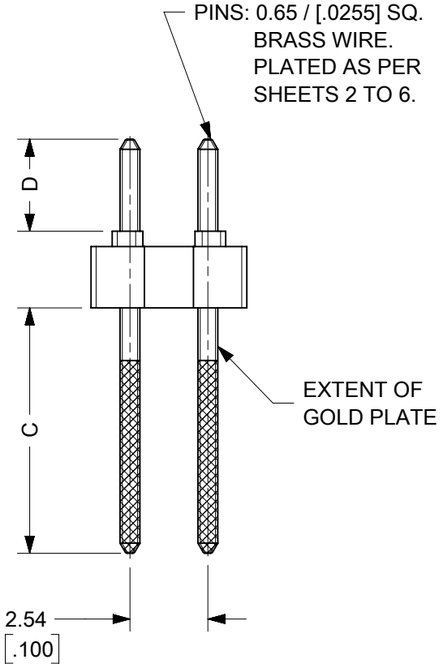
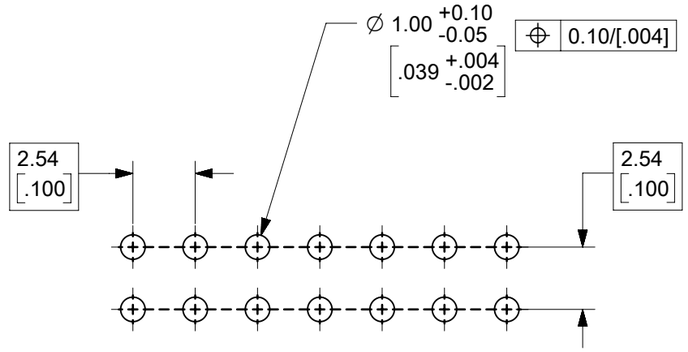



| CKT SIZE | DIM . "A" | | +0/-0.20 DIM."B" | [+0/-.008] | CKT SIZE | DIM."A" | | +0/-0.20 DIM."B | [+0/-.008] |
|---|---|---|---|---|---|---|---|---|---|
| 2X 1 | ---------- | | 2.54 | [.100] | 2X 21 | 50.80 | [2.000] | 53.34 | [2.100] |
| 2X 2 | 2.54 | [.100] | 5.08 | [.200] | 2X 22 | 53.34 | [2.100] | 55.88 | [2.200] |
| 2X 3 | 5.08 | [.200] | 7.62 | [.300] | 2X 23 | 55.88 | [2.200] | 58.42 | [2.300] |
| 2X 4 | 7.62 | [.300] | 10.16 | [.400] | 2X 24 | 58.42 | [2.300] | 60.96 | [2.400] |
| 2X 5 | 10.16 | [.400] | 12.70 | [.500] | 2X 25 | 60.96 | [2.400] | 63.50 | [2.500] |
| 2X 6 | 12.70 | [.500] | 15.24 | [.600] | 2X 26 | 63.50 | [2.500] | 66.04 | [2.600] |
| 2X 7 | 15.24 | [.600] | 17.78 | [.700] | 2X 27 | 66.04 | [2.600] | 68.58 | [2.700] |
| 2X 8 | 17.78 | [.700] | 20.32 | [.800] | 2X 28 | 68.58 | [2.700] | 71.12 | [2.800] |
| 2X 9 | 20.32 | [.800] | 22.86 | [.900] | 2X 29 | 71.12 | [2.800] | 73.66 | [2.900] |
| 2X 10 | 22.86 | [.900] | 25.40 | [1.000] | 2X 30 | 73.66 | [2.900] | 76.20 | [3.000] |
| 2X 11 | 25.40 | [1.000] | 27.94 | [1.100] | 2X 31 | 76.20 | [3.000] | 78.74 | [3.100] |
| 2X 12 | 27.94 | [1.100] | 30.48 | [1.200] | 2X 32 | 78.74 | [3.100] | 81.28 | [3.200] |
| 2X 13 | 30.48 | [1.200] | 33.02 | [1.300] | 2X 33 | 81.28 | [3.200] | 83.82 | [3.300] |
| 2X 14 | 33.02 | [1.300] | 35.56 | [1.400] | 2X 34 | 83.82 | [3.300] | 86.36 | [3.400] |
| 2X 15 | 35.56 | [1.400] | 38.10 | [1.500] | 2X 35 | 86.36 | [3.400] | 88.90 | [3.500] |
| 2X 16 | 38.10 | [1.500] | 40.64 | [1.600] | 2X 36 | 88.90 | [3.500] | 91.44 | [3.600] |
| 2X 17 | 40.64 | [1.600] | 43.18 | [1.700] | 2X 37 | 91.44 | [3.600] | 93.98 | [3.700] |
| 2X 18 | 43.18 | [1.700] | 45.72 | [1.800] | 2X 38 | 93.98 | [3.700] | 96.52 | [3.800] |
| 2X 19 | 45.72 | [1.800] | 48.26 | [1.900] | 2X 39 | 96.52 | [3.800] | 99.06 | [3.900] |
| 2X 20 | 48.26 | [1.900] | 50.80 | [2.000] | 2X 40 | 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

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

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

FUNCTIONAL SYMBOLS
(EA) = 0
(EC) = 0
(EP) = 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

CURRENT REV DESC: UPDATED AND REMASTERED IN ECTR NX

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

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90131

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 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 1 OF 8 |

FORMAT: Mol-logic-folder-tb-prod-A3
REVISION: E1
DATE: 2021/05/07

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

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FUNCTIONAL SYMBOLS
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EC = 0
EP = 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

CURRENT REV DESC: UPDATED AND REMASTERED IN ECTR NX

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

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90131

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 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 2 OF 8 |

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

FORMAT: Mel-spec-master-lb-prod-A3
REVISION: E1
DATE: 2021/05/07

| 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 |
| 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 |
| 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 |
| 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 |
| 2 X 39 | 90131 - 0159 | 90131 - 0799 | 90131 - 0959 |
| 2 X 40 | 90131 - 0160 | 90131 - 0800 | 90131 - 0960 |

DIM C ±0.20 [±.008] 6.75 [.266]

DIM D +0.20/-0.30 [+.008/-.012] 2.90 [.114]

STANDARD PRODUCTS

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

FUNCTIONAL SYMBOLS: EA = 0; EC = 0; EP = 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

CURRENT REV DESC: UPDATED AND REMASTERED IN ECTR NX

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

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90131

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 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 3 OF 8 |

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

FORMAT: Mel-ham-mdet-tb-prod-A3
REVISION: E1
DATE: 2021/05/07

| 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 | 90131 - 0042 | 90131 - 0682 | 90131 - 0842 |
| 2 X 3 | 90131 - 0043 | 90131 - 0683 | 90131 - 0843 |
| 2 X 4 | 90131 - 0044 | 90131 - 0684 | 90131 - 0844 |
| 2 X 5 | 90131 - 0045 | 90131 - 0685 | 90131 - 0845 |
| 2 X 6 | 90131 - 0046 | 90131 - 0686 | 90131 - 0846 |
| 2 X 7 | 90131 - 0047 | 90131 - 0687 | 90131 - 0847 |
| 2 X 8 | 90131 - 0048 | 90131 - 0688 | 90131 - 0848 |
| 2 X 9 | 90131 - 0049 | 90131 - 0689 | 90131 - 0849 |
| 2 X 10 | 90131 - 0050 | 90131 - 0690 | 90131 - 0850 |
| 2 X 11 | 90131 - 0051 | 90131 - 0691 | 90131 - 0851 |
| 2 X 12 | 90131 - 0052 | 90131 - 0692 | 90131 - 0852 |
| 2 X 13 | 90131 - 0053 | 90131 - 0693 | 90131 - 0853 |
| 2 X 14 | 90131 - 0054 | 90131 - 0694 | 90131 - 0854 |
| 2 X 15 | 90131 - 0055 | 90131 - 0695 | 90131 - 0855 |
| 2 X 16 | 90131 - 0056 | 90131 - 0696 | 90131 - 0856 |
| 2 X 17 | 90131 - 0057 | 90131 - 0697 | 90131 - 0857 |
| 2 X 18 | 90131 - 0058 | 90131 - 0698 | 90131 - 0858 |
| 2 X 19 | 90131 - 0059 | 90131 - 0699 | 90131 - 0859 |
| 2 X 20 | 90131 - 0060 | 90131 - 0700 | 90131 - 0860 |
| 2 X 21 | 90131 - 0061 | 90131 - 0701 | 90131 - 0861 |
| 2 X 22 | 90131 - 0062 | 90131 - 0702 | 90131 - 0862 |
| 2 X 23 | 90131 - 0063 | 90131 - 0703 | 90131 - 0863 |
| 2 X 24 | 90131 - 0064 | 90131 - 0704 | 90131 - 0864 |
| 2 X 25 | 90131 - 0065 | 90131 - 0705 | 90131 - 0865 |
| 2 X 26 | 90131 - 0066 | 90131 - 0706 | 90131 - 0866 |
| 2 X 27 | 90131 - 0067 | 90131 - 0707 | 90131 - 0867 |
| 2 X 28 | 90131 - 0068 | 90131 - 0708 | 90131 - 0868 |
| 2 X 29 | 90131 - 0069 | 90131 - 0709 | 90131 - 0869 |
| 2 X 30 | 90131 - 0070 | 90131 - 0710 | 90131 - 0870 |
| 2 X 31 | 90131 - 0071 | 90131 - 0711 | 90131 - 0871 |
| 2 X 32 | 90131 - 0072 | 90131 - 0712 | 90131 - 0872 |
| 2 X 33 | 90131 - 0073 | 90131 - 0713 | 90131 - 0873 |
| 2 X 34 | 90131 - 0074 | 90131 - 0714 | 90131 - 0874 |
| 2 X 35 | 90131 - 0075 | 90131 - 0715 | 90131 - 0875 |
| 2 X 36 | 90131 - 0076 | 90131 - 0716 | 90131 - 0876 |
| 2 X 37 | 90131 - 0077 | 90131 - 0717 | 90131 - 0877 |
| 2 X 38 | 90131 - 0078 | 90131 - 0718 | 90131 - 0878 |
| 2 X 39 | 90131 - 0079 | 90131 - 0719 | 90131 - 0879 |
| 2 X 40 | 90131 - 0080 | 90131 - 0720 | 90131 - 0880 |

| DIM | |
|---|---|
| C | ±0.20 [±.008] |
| | 5.75 [.226] |

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

| DIM | |
|---|---|
| C | ±0.20 [±.008] |
| | 5.75 [.226] |

| DIM | |
|---|---|
| D | ±0.25 [±.010] |
| | 4.50 [.117] |

## NON-STANDARD PRODUCTS

FUNCTIONAL SYMBOLS
EA = 0
EC = 0
EP = 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 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

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90131

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 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 4 OF 8 |

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

FORMAT: Molex-Inter-Ib-prod-A3
REVISION: E1
DATE: 2021/05/07

| 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 | 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 |
| 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 |
| 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 |
| 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 |
| 2 X 40 | 90131 - 0200 | 90131 - 0840 | 90131 - 1000 |

| DIM | |
|---|---|
| C | ±0.20 [±.008] |
| | 6.75 [.266] |

| DIM | |
|---|---|
| D | ±0.25 [±.010] |
| | 4.50 [.117] |

NON-STANDARD PRODUCTS

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

FORMAT: Mel-Spec-Header-lb-prod-A3
REVISION: E1
DATE: 2021/05/07

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

FUNCTIONAL SYMBOLS
EA = 0
EC = 0
EP = 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

CURRENT REV DESC: UPDATED AND REMASTERED IN ECTR NX

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

THIRD ANGLE PROJECTION
DRAWING: A3-SIZE
SERIES: 90131

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 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 5 OF 8 |

| 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 | 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 |
| 2 X 10 | 90131 - 0290 | 90131 - 0450 | 90131 - 0610 | 90131 - 1090 |
| 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 |
| 2 X 15 | 90131 - 0295 | 90131 - 0455 | 90131 - 0615 | 90131 - 1095 |
| 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 |
| 2 X 25 | 90131 - 0305 | 90131 - 0465 | 90131 - 0625 | 90131 - 1105 |
| 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 |
| 2 X 35 | 90131 - 0315 | 90131 - 0475 | 90131 - 0635 | 90131 - 1115 |
| 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 |

| DIM | |
|---|---|
| C | ±0.20 [±.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 | 90131 - 0202 | 90131 - 0362 | 90131 - 0522 | 90131 - 1002 |
| 2 X 3 | 90131 - 0203 | 90131 - 0363 | 90131 - 0523 | 90131 - 1003 |
| 2 X 4 | 90131 - 0204 | 90131 - 0364 | 90131 - 0524 | 90131 - 1004 |
| 2 X 5 | 90131 - 0205 | 90131 - 0365 | 90131 - 0525 | 90131 - 1005 |
| 2 X 6 | 90131 - 0206 | 90131 - 0366 | 90131 - 0526 | 90131 - 1006 |
| 2 X 7 | 90131 - 0207 | 90131 - 0367 | 90131 - 0527 | 90131 - 1007 |
| 2 X 8 | 90131 - 0208 | 90131 - 0368 | 90131 - 0528 | 90131 - 1008 |
| 2 X 9 | 90131 - 0209 | 90131 - 0369 | 90131 - 0529 | 90131 - 1009 |
| 2 X 10 | 90131 - 0210 | 90131 - 0370 | 90131 - 0530 | 90131 - 1010 |
| 2 X 11 | 90131 - 0211 | 90131 - 0371 | 90131 - 0531 | 90131 - 1011 |
| 2 X 12 | 90131 - 0212 | 90131 - 0372 | 90131 - 0532 | 90131 - 1012 |
| 2 X 13 | 90131 - 0213 | 90131 - 0373 | 90131 - 0533 | 90131 - 1013 |
| 2 X 14 | 90131 - 0214 | 90131 - 0374 | 90131 - 0534 | 90131 - 1014 |
| 2 X 15 | 90131 - 0215 | 90131 - 0375 | 90131 - 0535 | 90131 - 1015 |
| 2 X 16 | 90131 - 0216 | 90131 - 0376 | 90131 - 0536 | 90131 - 1016 |
| 2 X 17 | 90131 - 0217 | 90131 - 0377 | 90131 - 0537 | 90131 - 1017 |
| 2 X 18 | 90131 - 0218 | 90131 - 0378 | 90131 - 0538 | 90131 - 1018 |
| 2 X 19 | 90131 - 0219 | 90131 - 0379 | 90131 - 0539 | 90131 - 1019 |
| 2 X 20 | 90131 - 0220 | 90131 - 0380 | 90131 - 0540 | 90131 - 1020 |
| 2 X 21 | 90131 - 0221 | 90131 - 0381 | 90131 - 0541 | 90131 - 1021 |
| 2 X 22 | 90131 - 0222 | 90131 - 0382 | 90131 - 0542 | 90131 - 1022 |
| 2 X 23 | 90131 - 0223 | 90131 - 0383 | 90131 - 0543 | 90131 - 1023 |
| 2 X 24 | 90131 - 0224 | 90131 - 0384 | 90131 - 0544 | 90131 - 1024 |
| 2 X 25 | 90131 - 0225 | 90131 - 0385 | 90131 - 0545 | 90131 - 1025 |
| 2 X 26 | 90131 - 0226 | 90131 - 0386 | 90131 - 0546 | 90131 - 1026 |
| 2 X 27 | 90131 - 0227 | 90131 - 0387 | 90131 - 0547 | 90131 - 1027 |
| 2 X 28 | 90131 - 0228 | 90131 - 0388 | 90131 - 0548 | 90131 - 1028 |
| 2 X 29 | 90131 - 0229 | 90131 - 0389 | 90131 - 0549 | 90131 - 1029 |
| 2 X 30 | 90131 - 0230 | 90131 - 0390 | 90131 - 0550 | 90131 - 1030 |
| 2 X 31 | 90131 - 0231 | 90131 - 0391 | 90131 - 0551 | 90131 - 1031 |
| 2 X 32 | 90131 - 0232 | 90131 - 0392 | 90131 - 0552 | 90131 - 1032 |
| 2 X 33 | 90131 - 0233 | 90131 - 0393 | 90131 - 0553 | 90131 - 1033 |
| 2 X 34 | 90131 - 0234 | 90131 - 0394 | 90131 - 0554 | 90131 - 1034 |
| 2 X 35 | 90131 - 0235 | 90131 - 0395 | 90131 - 0555 | 90131 - 1035 |
| 2 X 36 | 90131 - 0236 | 90131 - 0396 | 90131 - 0556 | 90131 - 1036 |
| 2 X 37 | 90131 - 0237 | 90131 - 0397 | 90131 - 0557 | 90131 - 1037 |
| 2 X 38 | 90131 - 0238 | 90131 - 0398 | 90131 - 0558 | 90131 - 1038 |
| 2 X 39 | 90131 - 0239 | 90131 - 0399 | 90131 - 0559 | 90131 - 1039 |
| 2 X 40 | 90131 - 0240 | 90131 - 0400 | 90131 - 0560 | 90131 - 1040 |

| DIM | |
|---|---|
| C | ±0.20 [±.008] |
| | 5.75 [.226] |
| DIM | |
| D | +0.20/-0.30 [+.008/-.012] |
| | 2.90 [.114] |

NON-STANDARD PRODUCTS
NOT FOR GENERAL RELEASE

FUNCTIONAL SYMBOLS
EA = 0
EC = 0
EP = 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 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

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 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 90131 | SEE TABLE | GENERAL MARKET | 6 OF 8 |

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

FORMAT: Mel-temp-model-db-prod-A3
REVISION: E1
DATE: 2021/05/07

| 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 | 90131 - 0242 | 90131 - 0402 | 90131 - 0562 | 90131 - 1042 |
| 2 X 3 | 90131 - 0243 | 90131 - 0403 | 90131 - 0563 | 90131 - 1043 |
| 2 X 4 | 90131 - 0244 | 90131 - 0404 | 90131 - 0564 | 90131 - 1044 |
| 2 X 5 | 90131 - 0245 | 90131 - 0405 | 90131 - 0565 | 90131 - 1045 |
| 2 X 6 | 90131 - 0246 | 90131 - 0406 | 90131 - 0566 | 90131 - 1046 |
| 2 X 7 | 90131 - 0247 | 90131 - 0407 | 90131 - 0567 | 90131 - 1047 |
| 2 X 8 | 90131 - 0248 | 90131 - 0408 | 90131 - 0568 | 90131 - 1048 |
| 2 X 9 | 90131 - 0249 | 90131 - 0409 | 90131 - 0569 | 90131 - 1049 |
| 2 X 10 | 90131 - 0250 | 90131 - 0410 | 90131 - 0570 | 90131 - 1050 |
| 2 X 11 | 90131 - 0251 | 90131 - 0411 | 90131 - 0571 | 90131 - 1051 |
| 2 X 12 | 90131 - 0252 | 90131 - 0412 | 90131 - 0572 | 90131 - 1052 |
| 2 X 13 | 90131 - 0253 | 90131 - 0413 | 90131 - 0573 | 90131 - 1053 |
| 2 X 14 | 90131 - 0254 | 90131 - 0414 | 90131 - 0574 | 90131 - 1054 |
| 2 X 15 | 90131 - 0255 | 90131 - 0415 | 90131 - 0575 | 90131 - 1055 |
| 2 X 16 | 90131 - 0256 | 90131 - 0416 | 90131 - 0576 | 90131 - 1056 |
| 2 X 17 | 90131 - 0257 | 90131 - 0417 | 90131 - 0577 | 90131 - 1057 |
| 2 X 18 | 90131 - 0258 | 90131 - 0418 | 90131 - 0578 | 90131 - 1058 |
| 2 X 19 | 90131 - 0259 | 90131 - 0419 | 90131 - 0579 | 90131 - 1059 |
| 2 X 20 | 90131 - 0260 | 90131 - 0420 | 90131 - 0580 | 90131 - 1060 |
| 2 X 21 | 90131 - 0261 | 90131 - 0421 | 90131 - 0581 | 90131 - 1061 |
| 2 X 22 | 90131 - 0262 | 90131 - 0422 | 90131 - 0582 | 90131 - 1062 |
| 2 X 23 | 90131 - 0263 | 90131 - 0423 | 90131 - 0583 | 90131 - 1063 |
| 2 X 24 | 90131 - 0264 | 90131 - 0424 | 90131 - 0584 | 90131 - 1064 |
| 2 X 25 | 90131 - 0265 | 90131 - 0425 | 90131 - 0585 | 90131 - 1065 |
| 2 X 26 | 90131 - 0266 | 90131 - 0426 | 90131 - 0586 | 90131 - 1066 |
| 2 X 27 | 90131 - 0267 | 90131 - 0427 | 90131 - 0587 | 90131 - 1067 |
| 2 X 28 | 90131 - 0268 | 90131 - 0428 | 90131 - 0588 | 90131 - 1068 |
| 2 X 29 | 90131 - 0269 | 90131 - 0429 | 90131 - 0589 | 90131 - 1069 |
| 2 X 30 | 90131 - 0270 | 90131 - 0430 | 90131 - 0590 | 90131 - 1070 |
| 2 X 31 | 90131 - 0271 | 90131 - 0431 | 90131 - 0591 | 90131 - 1071 |
| 2 X 32 | 90131 - 0272 | 90131 - 0432 | 90131 - 0592 | 90131 - 1072 |
| 2 X 33 | 90131 - 0273 | 90131 - 0433 | 90131 - 0593 | 90131 - 1073 |
| 2 X 34 | 90131 - 0274 | 90131 - 0434 | 90131 - 0594 | 90131 - 1074 |
| 2 X 35 | 90131 - 0275 | 90131 - 0435 | 90131 - 0595 | 90131 - 1075 |
| 2 X 36 | 90131 - 0276 | 90131 - 0436 | 90131 - 0596 | 90131 - 1076 |
| 2 X 37 | 90131 - 0277 | 90131 - 0437 | 90131 - 0597 | 90131 - 1077 |
| 2 X 38 | 90131 - 0278 | 90131 - 0438 | 90131 - 0598 | 90131 - 1078 |
| 2 X 39 | 90131 - 0279 | 90131 - 0439 | 90131 - 0599 | 90131 - 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 [.117]

| 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 | 90131 - 0322 | 90131 - 0482 | 90131 - 0642 | 90131 - 1122 |
| 2 X 3 | 90131 - 0323 | 90131 - 0483 | 90131 - 0643 | 90131 - 1123 |
| 2 X 4 | 90131 - 0324 | 90131 - 0484 | 90131 - 0644 | 90131 - 1124 |
| 2 X 5 | 90131 - 0325 | 90131 - 0485 | 90131 - 0645 | 90131 - 1125 |
| 2 X 6 | 90131 - 0326 | 90131 - 0486 | 90131 - 0646 | 90131 - 1126 |
| 2 X 7 | 90131 - 0327 | 90131 - 0487 | 90131 - 0647 | 90131 - 1127 |
| 2 X 8 | 90131 - 0328 | 90131 - 0488 | 90131 - 0648 | 90131 - 1128 |
| 2 X 9 | 90131 - 0329 | 90131 - 0489 | 90131 - 0649 | 90131 - 1129 |
| 2 X 10 | 90131 - 0330 | 90131 - 0490 | 90131 - 0650 | 90131 - 1130 |
| 2 X 11 | 90131 - 0331 | 90131 - 0491 | 90131 - 0651 | 90131 - 1131 |
| 2 X 12 | 90131 - 0332 | 90131 - 0492 | 90131 - 0652 | 90131 - 1132 |
| 2 X 13 | 90131 - 0333 | 90131 - 0493 | 90131 - 0653 | 90131 - 1133 |
| 2 X 14 | 90131 - 0334 | 90131 - 0494 | 90131 - 0654 | 90131 - 1134 |
| 2 X 15 | 90131 - 0335 | 90131 - 0495 | 90131 - 0655 | 90131 - 1135 |
| 2 X 16 | 90131 - 0336 | 90131 - 0496 | 90131 - 0656 | 90131 - 1136 |
| 2 X 17 | 90131 - 0337 | 90131 - 0497 | 90131 - 0657 | 90131 - 1137 |
| 2 X 18 | 90131 - 0338 | 90131 - 0498 | 90131 - 0658 | 90131 - 1138 |
| 2 X 19 | 90131 - 0339 | 90131 - 0499 | 90131 - 0659 | 90131 - 1139 |
| 2 X 20 | 90131 - 0340 | 90131 - 0500 | 90131 - 0660 | 90131 - 1140 |
| 2 X 21 | 90131 - 0341 | 90131 - 0501 | 90131 - 0661 | 90131 - 1141 |
| 2 X 22 | 90131 - 0342 | 90131 - 0502 | 90131 - 0662 | 90131 - 1142 |
| 2 X 23 | 90131 - 0343 | 90131 - 0503 | 90131 - 0663 | 90131 - 1143 |
| 2 X 24 | 90131 - 0344 | 90131 - 0504 | 90131 - 0664 | 90131 - 1144 |
| 2 X 25 | 90131 - 0345 | 90131 - 0505 | 90131 - 0665 | 90131 - 1145 |
| 2 X 26 | 90131 - 0346 | 90131 - 0506 | 90131 - 0666 | 90131 - 1146 |
| 2 X 27 | 90131 - 0347 | 90131 - 0507 | 90131 - 0667 | 90131 - 1147 |
| 2 X 28 | 90131 - 0348 | 90131 - 0508 | 90131 - 0668 | 90131 - 1148 |
| 2 X 29 | 90131 - 0349 | 90131 - 0509 | 90131 - 0669 | 90131 - 1149 |
| 2 X 30 | 90131 - 0350 | 90131 - 0510 | 90131 - 0670 | 90131 - 1150 |
| 2 X 31 | 90131 - 0351 | 90131 - 0511 | 90131 - 0671 | 90131 - 1151 |
| 2 X 32 | 90131 - 0352 | 90131 - 0512 | 90131 - 0672 | 90131 - 1152 |
| 2 X 33 | 90131 - 0353 | 90131 - 0513 | 90131 - 0673 | 90131 - 1153 |
| 2 X 34 | 90131 - 0354 | 90131 - 0514 | 90131 - 0674 | 90131 - 1154 |
| 2 X 35 | 90131 - 0355 | 90131 - 0515 | 90131 - 0675 | 90131 - 1155 |
| 2 X 36 | 90131 - 0356 | 90131 - 0516 | 90131 - 0676 | 90131 - 1156 |
| 2 X 37 | 90131 - 0357 | 90131 - 0517 | 90131 - 0677 | 90131 - 1157 |
| 2 X 38 | 90131 - 0358 | 90131 - 0518 | 90131 - 0678 | 90131 - 1158 |
| 2 X 39 | 90131 - 0359 | 90131 - 0519 | 90131 - 0679 | 90131 - 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 [.117]

NON-STANDARD PRODUCTS
NOT FOR GENERAL RELEASE

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

FUNCTIONAL SYMBOLS: EA = 0; EC = 0; EP = 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

CURRENT REV DESC: UPDATED AND REMASTERED IN ECTR NX

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

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 90131

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 |

| MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|
| SEE TABLE | GENERAL MARKET | 7 OF 8 |

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

FORMAT: Mel-logic-model-db-prod-A3
REVISION: E1
DATE: 2021/05/07

| CIRCUIT SIZE | PLATING TYPE A PART NO. | PIN PART NUMBER | WAFER PART NUMBER | ±0.20 DIM C [±.008] | +0.20/-0.30 DIM D [+.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

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EA = 0
EC = 0
ED = 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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|---|---|---|---|
| SD-90131-001 | PSD | 001 | P1 |

| THIRD ANGLE PROJECTION | DRAWING | SERIES | MATERIAL NUMBER | CUSTOMER | SHEET NUMBER |
|---|---|---|---|---|---|
| | A3-SIZE | 90131 | SEE TABLE | GENERAL MARKET | 8 OF 8 |

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

FORMAT: Molex-letter-tb-prod-A3
REVISION: E1
DATE: 2021/05/07