



| 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 |

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<br>SIZE | PLATING<br>TYPE A<br>PART NO. | PLATING<br>TYPE E<br>PART NO. | PLATING<br>TYPE F<br>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<br>C<br>±0.20<br>[±.008]<br>6.75<br>[.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<br>D<br>+0.20/-0.30<br>[+.008/-012]<br>2.90<br>[.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<br>SYMBOLS                                                                                                                         |                                                           | DIMENSION UNITS                                            |                 | SCALE                         |                               | CURRENT REV DESC: UPDATED AND REMASTERED<br>IN ECTR NX                                                                                                                        |  |         |  | molex                                      |  |           |  |                |  |        |  |   |  |
| E A = 0                                                                                                                                       |                                                           | MM ONLY                                                    |                 | NTS                           |                               | EC NO: 767931<br>DRWN: NAVEEK19 2023/10/25<br>CHK'D: SUAIFR 2023/11/03<br>APPR: MRAMAKRISHNA 2023/11/03<br>INITIAL REVISION:<br>DRWN: DB 1987/07/16<br>APPR: MLONG 2012/02/24 |  |         |  | C GRID III DUAL ROW<br>STRAIGHT PIN HEADER |  |           |  |                |  |        |  |   |  |
| E F = 0                                                                                                                                       |                                                           | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |                 |                               |                               |                                                                                                                                                                               |  |         |  |                                            |  |           |  |                |  |        |  |   |  |
| E P = 0                                                                                                                                       |                                                           | MM INCH                                                    |                 |                               |                               |                                                                                                                                                                               |  |         |  |                                            |  |           |  |                |  |        |  |   |  |
|                                                                                                                                               |                                                           |                                                            |                 |                               |                               |                                                                                                                                                                               |  |         |  |                                            |  |           |  |                |  |        |  |   |  |
| DIVISIONAL<br>SYMBOLS                                                                                                                         |                                                           | 4 PLACES ±                                                 |                 |                               |                               |                                                                                                                                                                               |  |         |  | PRODUCT CUSTOMER DRAWING                   |  |           |  |                |  |        |  |   |  |
|                                                                                                                                               |                                                           | 3 PLACES ±                                                 |                 | ±                             |                               |                                                                                                                                                                               |  |         |  | DOCUMENT NUMBER                            |  |           |  |                |  |        |  |   |  |
|                                                                                                                                               |                                                           | 2 PLACES ±                                                 |                 | 0.2 ±                         |                               |                                                                                                                                                                               |  |         |  | SD-90131-001                               |  |           |  |                |  |        |  |   |  |
|                                                                                                                                               |                                                           | 1 PLACE ±                                                  |                 | ±                             |                               |                                                                                                                                                                               |  |         |  | DOC TYPE                                   |  | DOC PART  |  | REVISION       |  |        |  |   |  |
|                                                                                                                                               |                                                           | 0 PLACES ±                                                 |                 | ±                             |                               |                                                                                                                                                                               |  |         |  | PSD                                        |  | 001       |  | P1             |  |        |  |   |  |
|                                                                                                                                               |                                                           | ANGULAR TOL ±                                              |                 | 3.0 °                         |                               |                                                                                                                                                                               |  |         |  | MATERIAL NUMBER                            |  | CUSTOMER  |  | SHEET NUMBER   |  |        |  |   |  |
|                                                                                                                                               |                                                           | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                 |                               |                               | THIRD ANGLE PROJECTION                                                                                                                                                        |  | DRAWING |  | SERIES                                     |  | 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 |  |

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| 10 |  | 9           |  | 8           |  | 7           |  | 6           |  | 5           |  | 4           |  | 3           |  | 2           |  | 1           |  |             |  |             |  |
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| B  |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
| A  |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  | <div></div> |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
| 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           |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
|    |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |             |  |
| 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           |  |             |  |             |  |             |  |             |  |             |  |



|                 |                                                  |                 |                               |                               |                               |                               |  |   |  |   |  |                 |                               |                               |                               |                               |  |   |  |  |  |  |  |  |
|-----------------|--------------------------------------------------|-----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|---|--|---|--|-----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--|---|--|--|--|--|--|--|
| 10              |                                                  | 9               |                               | 8                             |                               | 7                             |  | 6 |  | 5 |  | 4               |                               | 3                             |                               | 2                             |  | 1 |  |  |  |  |  |  |
| F               |                                                  | CIRCUIT<br>SIZE | PLATING<br>TYPE B<br>PART NO. | PLATING<br>TYPE C<br>PART NO. | PLATING<br>TYPE D<br>PART NO. | PLATING<br>TYPE G<br>PART NO. |  |   |  |   |  | CIRCUIT<br>SIZE | PLATING<br>TYPE B<br>PART NO. | PLATING<br>TYPE C<br>PART NO. | PLATING<br>TYPE D<br>PART NO. | PLATING<br>TYPE G<br>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<br>C<br>±0.20<br>[±.008]<br>5.75<br>[.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<br>D<br>±0.25<br>[±.010]<br>4.50<br>[.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<br>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 |  |  |  |  |  |  |

| CIRCUIT<br>SIZE | PLATING TYPE A<br>PART NO. | PIN<br>PART<br>NUMBER | WAFER<br>PART<br>NUMBER | ±0.20<br>DIM C [±.008] | +0.20/-0.30<br>DIM D [+0.008/-0.012] |
|-----------------|----------------------------|-----------------------|-------------------------|------------------------|--------------------------------------|
| 2 X 6           | 90131-3126                 | 90129-2008            | 90131-0040              | 14.60<br>[.575]        | 2.38<br>[.094]                       |
| 2 X 36          | 90131-3128                 | 90129-2008            | 90131-0040              | 14.60<br>[.575]        | 2.38<br>[.094]                       |
| 2 X 40          | 90131-3127                 | 90129-2008            | 90131-0040              | 14.60<br>[.575]        | 2.38<br>[.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<br>MUST REMAIN<br>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

molex

C GRID III DUAL ROW  
STRAIGHT PIN HEADER

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-90131-001

DOC TYPE

PSD

DOC PART

001

REVISION

P1

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

8 OF 8

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

90131