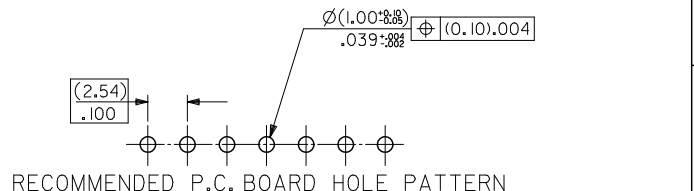


| CKT SIZE | DIM. "A" |       | DIM. "B" <sup>(+0.45)</sup> <sub>(-0.18)</sub> |       | CKT SIZE | DIM. "A" |       | DIM. "B" <sup>(+0.45)</sup> <sub>(-0.18)</sub> |       |
|----------|----------|-------|------------------------------------------------|-------|----------|----------|-------|------------------------------------------------|-------|
| 1X 1     |          |       | (2.54)                                         | .100  | 1X21     | (50.80)  | 2.000 | (53.34)                                        | 2.100 |
| 1X 2     | (2.54)   | .100  | (5.08)                                         | .200  | 1X22     | (53.34)  | 2.100 | (55.88)                                        | 2.200 |
| 1X 3     | (5.08)   | .200  | (7.62)                                         | .300  | 1X23     | (55.88)  | 2.200 | (58.42)                                        | 2.300 |
| 1X 4     | (7.62)   | .300  | (10.16)                                        | .400  | 1X24     | (58.42)  | 2.300 | (60.96)                                        | 2.400 |
| 1X 5     | (10.16)  | .400  | (12.70)                                        | .500  | 1X25     | (60.96)  | 2.400 | (63.50)                                        | 2.500 |
| 1X 6     | (12.70)  | .500  | (15.24)                                        | .600  | 1X26     | (63.50)  | 2.500 | (66.04)                                        | 2.600 |
| 1X 7     | (15.24)  | .600  | (17.78)                                        | .700  | 1X27     | (66.04)  | 2.600 | (68.58)                                        | 2.700 |
| 1X 8     | (17.78)  | .700  | (20.32)                                        | .800  | 1X28     | (68.58)  | 2.700 | (71.12)                                        | 2.800 |
| 1X 9     | (20.32)  | .800  | (22.86)                                        | .900  | 1X29     | (71.12)  | 2.800 | (73.66)                                        | 2.900 |
| 1X10     | (22.86)  | .900  | (25.40)                                        | 1.000 | 1X30     | (73.66)  | 2.900 | (76.20)                                        | 3.000 |
| 1X11     | (25.40)  | 1.000 | (27.94)                                        | 1.100 | 1X31     | (76.20)  | 3.000 | (78.74)                                        | 3.100 |
| 1X12     | (27.94)  | 1.100 | (30.48)                                        | 1.200 | 1X32     | (78.74)  | 3.100 | (81.28)                                        | 3.200 |
| 1X13     | (30.48)  | 1.200 | (33.02)                                        | 1.300 | 1X33     | (81.28)  | 3.200 | (83.82)                                        | 3.300 |
| 1X14     | (33.02)  | 1.300 | (35.56)                                        | 1.400 | 1X34     | (83.82)  | 3.300 | (86.36)                                        | 3.400 |
| 1X15     | (35.56)  | 1.400 | (38.10)                                        | 1.500 | 1X35     | (86.36)  | 3.400 | (88.90)                                        | 3.500 |
| 1X16     | (38.10)  | 1.500 | (40.64)                                        | 1.600 | 1X36     | (88.90)  | 3.500 | (91.44)                                        | 3.600 |
| 1X17     | (40.64)  | 1.600 | (43.18)                                        | 1.700 | 1X37     | (91.44)  | 3.600 | (93.98)                                        | 3.700 |
| 1X18     | (43.18)  | 1.700 | (45.72)                                        | 1.800 | 1X38     | (93.98)  | 3.700 | (96.52)                                        | 3.800 |
| 1X19     | (45.72)  | 1.800 | (48.26)                                        | 1.900 | 1X39     | (96.52)  | 3.800 | (99.06)                                        | 3.900 |
| 1X20     | (48.26)  | 1.900 | (50.80)                                        | 2.000 | 1X40     | (99.06)  | 3.900 | (101.60)                                       | 4.000 |

- NOTES
1. FOR ASSY NUMBERS WITH FINISH OPTIONS AND DIM'S C & D SEE SHEETS 2 TO 6.
  2. PRODUCT SPEC: PS-99020-0001
  3. RECOMMENDED PCB THICKNESS 1.6mm



|                                                                                                                           |                                      |                                       |                    |                            |                    |                                                          |                        |                           |                     |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|--------------------|----------------------------|--------------------|----------------------------------------------------------|------------------------|---------------------------|---------------------|
| REVISE PIN DIM<br>EC NO: S2011-0579<br>DR: WSKANG<br>CHY: DATSEE<br>APPR: MLONG<br>2011/01/05<br>2011/03/22<br>2011/03/22 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |                    | DIMENSION STYLE<br>MM/IN   |                    | SCALE<br>NTS                                             | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION    |                     |
|                                                                                                                           |                                      | 4 PLACES ±--- ±---                    | 3 PLACES ±--- ±--- | DRAWN BY<br>JDENNEHY       | DATE<br>2006/01/18 | TITLE<br>C-GRID III<br>SINGLE ROW STRAIGHT<br>PIN HEADER |                        |                           |                     |
|                                                                                                                           |                                      | 2 PLACES ±--- ±---                    | 1 PLACE ±--- ±---  | CHECKED BY<br>DWASZKIEWICZ | DATE<br>2006/01/18 | MOLEX INCORPORATED                                       |                        |                           |                     |
|                                                                                                                           |                                      | ANGULAR ±---°                         |                    | APPROVED BY<br>MLONG       | DATE<br>2009/12/21 | MATERIAL NO.<br>SEE TABLE                                |                        | DOCUMENT NO.<br>SDA-90120 | SHEET NO.<br>1 OF 6 |

10 9 8 7 6 5 4 3 2 1

| CIRCUIT SIZE | PLATING TYPE A |                            | PLATING TYPE E |                            | PLATING TYPE F |                            |
|--------------|----------------|----------------------------|----------------|----------------------------|----------------|----------------------------|
|              | PART NO.       | CUSTOMER SPECIFIC PART NO. | PART NO.       | CUSTOMER SPECIFIC PART NO. | PART NO.       | CUSTOMER SPECIFIC PART NO. |
| 1 X 1        | 90120-0121     | 90120-9121                 | 90120-0761     | 90120-9761                 | 90120-0921     | 90120-9921                 |
| 1 X 2        | -0122          | -9122                      | -0762          | -9762                      | -0922          | -9922                      |
| 1 X 3        | -0123          | -9123                      | -0763          | -9763                      | -0923          | -9923                      |
| 1 X 4        | -0124          | -9124                      | -0764          | -9764                      | -0924          | -9924                      |
| 1 X 5        | -0125          | -9125                      | -0765          | -9765                      | -0925          | -9925                      |
| 1 X 6        | -0126          | -9126                      | -0766          | -9766                      | -0926          | -9926                      |
| 1 X 7        | -0127          | -9127                      | -0767          | -9767                      | -0927          | -9927                      |
| 1 X 8        | -0128          | -9128                      | -0768          | -9768                      | -0928          | -9928                      |
| 1 X 9        | -0129          | -9129                      | -0769          | -9769                      | -0929          | -9929                      |
| 1 X 10       | -0130          | -9130                      | -0770          | -9770                      | -0930          | -9930                      |
| 1 X 11       | -0131          | -9131                      | -0771          | -9771                      | -0931          | -9931                      |
| 1 X 12       | -0132          | -9132                      | -0772          | -9772                      | -0932          | -9932                      |
| 1 X 13       | -0133          | -9133                      | -0773          | -9773                      | -0933          | -9933                      |
| 1 X 14       | -0134          | -9134                      | -0774          | -9774                      | -0934          | -9934                      |
| 1 X 15       | -0135          | -9135                      | -0775          | -9775                      | -0935          | -9935                      |
| 1 X 16       | -0136          | -9136                      | -0776          | -9776                      | -0936          | -9936                      |
| 1 X 17       | -0137          | -9137                      | -0777          | -9777                      | -0937          | -9937                      |
| 1 X 18       | -0138          | -9138                      | -0778          | -9778                      | -0938          | -9938                      |
| 1 X 19       | -0139          | -9139                      | -0779          | -9779                      | -0939          | -9939                      |
| 1 X 20       | -0140          | -9140                      | -0780          | -9780                      | -0940          | -9940                      |
| 1 X 21       | -0141          | -9141                      | -0781          | -9781                      | -0941          | -9941                      |
| 1 X 22       | -0142          | -9142                      | -0782          | -9782                      | -0942          | -9942                      |
| 1 X 23       | -0143          | -9143                      | -0783          | -9783                      | -0943          | -9943                      |
| 1 X 24       | -0144          | -9144                      | -0784          | -9784                      | -0944          | -9944                      |
| 1 X 25       | -0145          | -9145                      | -0785          | -9785                      | -0945          | -9945                      |
| 1 X 26       | -0146          | -9146                      | -0786          | -9786                      | -0946          | -9946                      |
| 1 X 27       | -0147          | -9147                      | -0787          | -9787                      | -0947          | -9947                      |
| 1 X 28       | -0148          | -9148                      | -0788          | -9788                      | -0948          | -9948                      |
| 1 X 29       | -0149          | -9149                      | -0789          | -9789                      | -0949          | -9949                      |
| 1 X 30       | -0150          | -9150                      | -0790          | -9790                      | -0950          | -9950                      |
| 1 X 31       | -0151          | -9151                      | -0791          | -9791                      | -0951          | -9951                      |
| 1 X 32       | -0152          | -9152                      | -0792          | -9792                      | -0952          | -9952                      |
| 1 X 33       | -0153          | -9153                      | -0793          | -9793                      | -0953          | -9953                      |
| 1 X 34       | -0154          | -9154                      | -0794          | -9794                      | -0954          | -9954                      |
| 1 X 35       | -0155          | -9155                      | -0795          | -9795                      | -0955          | -9955                      |
| 1 X 36       | -0156          | -9156                      | -0796          | -9796                      | -0956          | -9956                      |
| 1 X 37       | -0157          | -9157                      | -0797          | -9797                      | -0957          | -9957                      |
| 1 X 38       | -0158          | -9158                      | -0798          | -9798                      | -0958          | -9958                      |
| 1 X 39       | -0159          | -9159                      | -0799          | -9799                      | -0959          | -9959                      |
| 1 X 40       | 90120-0160     | 90120-9160                 | 90120-0800     | 90120-9800                 | 90120-0960     | 90120-9960                 |

DIM C (+0.20 / -0.08) (6.75) .266

DIM D (+0.20 / -0.08) (2.90) .114

NOTES:  
FOR PLATING VARIATIONS SEE  
ENG.STD. SDES-99000-0003.

**STANDARD PRODUCTS**

|                   |             |                                                      |
|-------------------|-------------|------------------------------------------------------|
| REVISE PIN DIM    | 2011/01/05  | QUALITY SYMBOLS                                      |
| EC NO: S2011-0579 | DRWNSKANG   | GENERAL TOLERANCES (UNLESS SPECIFIED)                |
| CHKD:ATSEE        | 2011/03/22  | mm INCH                                              |
| APPR:MLONG        | 2011/03/22  | 4 PLACES ± --- ± ---                                 |
| REV               | DESCRIPTION | 3 PLACES ± --- ± ---                                 |
| N2                |             | 2 PLACES ± --- ± ---                                 |
|                   |             | 1 PLACE ± --- ± ---                                  |
|                   |             | ANGULAR ± --- °                                      |
|                   |             | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |

|                 |              |                                           |                        |
|-----------------|--------------|-------------------------------------------|------------------------|
| DIMENSION STYLE | SCALE        | DESIGN UNITS                              | THIRD ANGLE PROJECTION |
| MM/IN           | NTS          | METRIC                                    |                        |
| DRAWN BY        | DATE         | TITLE                                     |                        |
| JDENNEHY        | 2006/01/18   | C-GRID III SINGLE ROW STRAIGHT PIN HEADER |                        |
| CHECKED BY      | DATE         |                                           |                        |
| DWASZKIEWICZ    | 2006/01/18   |                                           |                        |
| APPROVED BY     | DATE         |                                           |                        |
| MLONG           | 2009/12/21   |                                           |                        |
| MATERIAL NO.    | DOCUMENT NO. |                                           |                        |
| SEE TABLE       | SDA-90120    |                                           |                        |
| SIZE A3         |              |                                           |                        |

|                    |
|--------------------|
| MOLEX INCORPORATED |
| SHEET NO. 2 OF 6   |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

tb\_frame\_A3\_P\_AM.T Rev. F 2009/06/18 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

| CIRCUIT SIZE | PLATING TYPE A PART NO. | PLATING TYPE E PART NO. | PLATING TYPE F PART NO. |
|--------------|-------------------------|-------------------------|-------------------------|
| I X 1        | 90120-0041              | 90120-0681              | 90120-0841              |
| I X 2        | ▲ -0042                 | ▲ -0682                 | ▲ -0842                 |
| I X 3        | -0043                   | -0683                   | -0843                   |
| I X 4        | -0044                   | -0684                   | -0844                   |
| I X 5        | -0045                   | -0685                   | -0845                   |
| I X 6        | -0046                   | -0686                   | -0846                   |
| I X 7        | -0047                   | -0687                   | -0847                   |
| I X 8        | -0048                   | -0688                   | -0848                   |
| I X 9        | -0049                   | -0689                   | -0849                   |
| I X 10       | -0050                   | -0690                   | -0850                   |
| I X 11       | -0051                   | -0691                   | -0851                   |
| I X 12       | -0052                   | -0692                   | -0852                   |
| I X 13       | -0053                   | -0693                   | -0853                   |
| I X 14       | -0054                   | -0694                   | -0854                   |
| I X 15       | -0055                   | -0695                   | -0855                   |
| I X 16       | -0056                   | -0696                   | -0856                   |
| I X 17       | -0057                   | -0697                   | -0857                   |
| I X 18       | -0058                   | -0698                   | -0858                   |
| I X 19       | -0059                   | -0699                   | -0859                   |
| I X 20       | -0060                   | -0700                   | -0860                   |
| I X 21       | -0061                   | -0701                   | -0861                   |
| I X 22       | -0062                   | -0702                   | -0862                   |
| I X 23       | -0063                   | -0703                   | -0863                   |
| I X 24       | -0064                   | -0704                   | -0864                   |
| I X 25       | -0065                   | -0705                   | -0865                   |
| I X 26       | -0066                   | -0706                   | -0866                   |
| I X 27       | -0067                   | -0707                   | -0867                   |
| I X 28       | -0068                   | -0708                   | -0868                   |
| I X 29       | -0069                   | -0709                   | -0869                   |
| I X 30       | -0070                   | -0710                   | -0870                   |
| I X 31       | -0071                   | -0711                   | -0871                   |
| I X 32       | -0072                   | -0712                   | -0872                   |
| I X 33       | -0073                   | -0713                   | -0873                   |
| I X 34       | -0074                   | -0714                   | -0874                   |
| I X 35       | -0075                   | -0715                   | -0875                   |
| I X 36       | -0076                   | -0716                   | -0876                   |
| I X 37       | -0077                   | -0717                   | -0877                   |
| I X 38       | -0078                   | -0718                   | -0878                   |
| I X 39       | ▼ -0079                 | ▼ -0719                 | ▼ -0879                 |
| I X 40       | 90120-0080              | 90120-0720              | 90120-0880              |

| CIRCUIT SIZE | PLATING TYPE A PART NO. | PLATING TYPE E PART NO. | PLATING TYPE F PART NO. |
|--------------|-------------------------|-------------------------|-------------------------|
| I X 1        | 90120-0081              | 90120-0721              | 90120-0881              |
| I X 2        | ▲ -0082                 | ▲ -0722                 | ▲ -0882                 |
| I X 3        | -0083                   | -0723                   | -0883                   |
| I X 4        | -0084                   | -0724                   | -0884                   |
| I X 5        | -0085                   | -0725                   | -0885                   |
| I X 6        | -0086                   | -0726                   | -0886                   |
| I X 7        | -0087                   | -0727                   | -0887                   |
| I X 8        | -0088                   | -0728                   | -0888                   |
| I X 9        | -0089                   | -0729                   | -0889                   |
| I X 10       | -0090                   | -0730                   | -0890                   |
| I X 11       | -0091                   | -0731                   | -0891                   |
| I X 12       | -0092                   | -0732                   | -0892                   |
| I X 13       | -0093                   | -0733                   | -0893                   |
| I X 14       | -0094                   | -0734                   | -0894                   |
| I X 15       | -0095                   | -0735                   | -0895                   |
| I X 16       | -0096                   | -0736                   | -0896                   |
| I X 17       | -0097                   | -0737                   | -0897                   |
| I X 18       | -0098                   | -0738                   | -0898                   |
| I X 19       | -0099                   | -0739                   | -0899                   |
| I X 20       | -0100                   | -0740                   | -0900                   |
| I X 21       | -0101                   | -0741                   | -0901                   |
| I X 22       | -0102                   | -0742                   | -0902                   |
| I X 23       | -0103                   | -0743                   | -0903                   |
| I X 24       | -0104                   | -0744                   | -0904                   |
| I X 25       | -0105                   | -0745                   | -0905                   |
| I X 26       | -0106                   | -0746                   | -0906                   |
| I X 27       | -0107                   | -0747                   | -0907                   |
| I X 28       | -0108                   | -0748                   | -0908                   |
| I X 29       | -0109                   | -0749                   | -0909                   |
| I X 30       | -0110                   | -0750                   | -0910                   |
| I X 31       | -0111                   | -0751                   | -0911                   |
| I X 32       | -0112                   | -0752                   | -0912                   |
| I X 33       | -0113                   | -0753                   | -0913                   |
| I X 34       | -0114                   | -0754                   | -0914                   |
| I X 35       | -0115                   | -0755                   | -0915                   |
| I X 36       | -0116                   | -0756                   | -0916                   |
| I X 37       | -0117                   | -0757                   | -0917                   |
| I X 38       | -0118                   | -0758                   | -0918                   |
| I X 39       | ▼ -0119                 | ▼ -0759                 | ▼ -0919                 |
| I X 40       | 90120-0120              | 90120-0760              | 90120-0920              |

DIM C (+0.20) ±.008 (5.75) .226

DIM C (+0.20) ±.008 (5.75) .226

DIM D (+0.30) ±.008 (2.90) .114

DIM D (+0.25) ±.008 (4.50) .177

NOTES:  
FOR PLATING VARIATIONS SEE  
ENG.STD. SDES-99000-0003.

**NON-STANDARD PRODUCTS**

REVISE PIN DIM  
EC NO: S2011-0579  
DIRWANGKANG 2011/01/05  
CHYKATSEE 2011/03/22  
APPR:MLONG 2011/03/22

QUALITY SYMBOLS  
▽=0  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|          | mm     | INCH    |
|----------|--------|---------|
| 4 PLACES | ±.004  | ±.0015  |
| 3 PLACES | ±.005  | ±.002   |
| 2 PLACES | ±.007  | ±.0025  |
| 1 PLACE  | ±.010  | ±.003   |
| ANGULAR  | ±.005° | ±.0002° |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE  
MM/IN

DRAWN BY: JDENNEHY DATE: 2006/01/18  
CHECKED BY: DWASZKIEWICZ DATE: 2006/01/18  
APPROVED BY: MLONG DATE: 2009/12/21

MATERIAL NO. SEE TABLE

SCALE: NTS  
DESIGN UNITS: METRIC  
THIRD ANGLE PROJECTION

TITLE: C-GRID III SINGLE ROW STRAIGHT PIN HEADER

MOLEX INCORPORATED

DOCUMENT NO. SDA-90120 SHEET NO. 3 OF 6

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

tb\_frame\_A3\_P\_AM.T Rev. F 2009/06/18 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

| CIRCUIT SIZE | PLATING TYPE A PART NO. | PLATING TYPE E PART NO. | PLATING TYPE F PART NO. |
|--------------|-------------------------|-------------------------|-------------------------|
| I X 1        | 90120-0161              | 90120-0801              | 90120-0961              |
| I X 2        | ↑ -0162                 | ↑ -0802                 | ↑ -0962                 |
| I X 3        | -0163                   | -0803                   | -0963                   |
| I X 4        | -0164                   | -0804                   | -0964                   |
| I X 5        | -0165                   | -0805                   | -0965                   |
| I X 6        | -0166                   | -0806                   | -0966                   |
| I X 7        | -0167                   | -0807                   | -0967                   |
| I X 8        | -0168                   | -0808                   | -0968                   |
| I X 9        | -0169                   | -0809                   | -0969                   |
| I X 10       | -0170                   | -0810                   | -0970                   |
| I X 11       | -0171                   | -0811                   | -0971                   |
| I X 12       | -0172                   | -0812                   | -0972                   |
| I X 13       | -0173                   | -0813                   | -0973                   |
| I X 14       | -0174                   | -0814                   | -0974                   |
| I X 15       | -0175                   | -0815                   | -0975                   |
| I X 16       | -0176                   | -0816                   | -0976                   |
| I X 17       | -0177                   | -0817                   | -0977                   |
| I X 18       | -0178                   | -0818                   | -0978                   |
| I X 19       | -0179                   | -0819                   | -0979                   |
| I X 20       | -0180                   | -0820                   | -0980                   |
| I X 21       | -0181                   | -0821                   | -0981                   |
| I X 22       | -0182                   | -0822                   | -0982                   |
| I X 23       | -0183                   | -0823                   | -0983                   |
| I X 24       | -0184                   | -0824                   | -0984                   |
| I X 25       | -0185                   | -0825                   | -0985                   |
| I X 26       | -0186                   | -0826                   | -0986                   |
| I X 27       | -0187                   | -0827                   | -0987                   |
| I X 28       | -0188                   | -0828                   | -0988                   |
| I X 29       | -0189                   | -0829                   | -0989                   |
| I X 30       | -0190                   | -0830                   | -0990                   |
| I X 31       | -0191                   | -0831                   | -0991                   |
| I X 32       | -0192                   | -0832                   | -0992                   |
| I X 33       | -0193                   | -0833                   | -0993                   |
| I X 34       | -0194                   | -0834                   | -0994                   |
| I X 35       | -0195                   | -0835                   | -0995                   |
| I X 36       | -0196                   | -0836                   | -0996                   |
| I X 37       | -0197                   | -0837                   | -0997                   |
| I X 38       | -0198                   | -0838                   | -0998                   |
| I X 39       | ↓ -0199                 | ↓ -0839                 | ↓ -0999                 |
| I X 40       | 90120-0200              | 90120-0840              | 90120-1000              |

DIM C (±0.20) ±.008 (6.75) .266

DIM D (±0.25) ±.010 (4.50) .177

NOTES:  
FOR PLATING VARIATIONS SEE  
ENG.STD. SDES-99000-0003.

**NON-STANDARD PRODUCTS**

REVISE PIN DIM  
EC NO: S2011-0579  
2011/01/05  
DIRWNSKANG  
2011/03/22  
CHYKATSEE  
2011/03/22  
APPR:MLONG

QUALITY SYMBOLS  
▽=0  
▽=0  
▽=0

| GENERAL TOLERANCES (UNLESS SPECIFIED) |      |
|---------------------------------------|------|
| mm                                    | INCH |
| 4 PLACES ±---                         | ±--- |
| 3 PLACES ±---                         | ±--- |
| 2 PLACES ±---                         | ±--- |
| 1 PLACE ±---                          | ±--- |
| ANGULAR ±---°                         |      |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

| DIMENSION STYLE |            |
|-----------------|------------|
| MM/IN           |            |
| DRAWN BY        | DATE       |
| JDENNEHY        | 2006/01/18 |
| CHECKED BY      | DATE       |
| DWASZKIEWICZ    | 2006/01/18 |
| APPROVED BY     | DATE       |
| MLONG           | 2009/12/21 |
| MATERIAL NO.    |            |
| SEE TABLE       |            |

| SCALE                                           | DESIGN UNITS | THIRD ANGLE PROJECTION |
|-------------------------------------------------|--------------|------------------------|
| NTS                                             | METRIC       | ☉                      |
| TITLE                                           |              |                        |
| C-GRID III<br>SINGLE ROW STRAIGHT<br>PIN HEADER |              |                        |
| MOLEX INCORPORATED                              |              |                        |
| DOCUMENT NO.                                    | SHEET NO.    |                        |
| SDA-90120                                       | 4 OF 6       |                        |

tb\_frame\_A3\_P\_AM.T  
Rev. F 2009/06/18

9 8 7 6 5 4 3 2 1

|  | 10           | 9                       | 8                       | 7                       | 6                       | 5 | 4            | 3                       | 2                       | 1                       |                         |
|--|--------------|-------------------------|-------------------------|-------------------------|-------------------------|---|--------------|-------------------------|-------------------------|-------------------------|-------------------------|
|  | CIRCUIT SIZE | PLATING TYPE B PART NO. | PLATING TYPE C PART NO. | PLATING TYPE D PART NO. | PLATING TYPE G PART NO. |   | CIRCUIT SIZE | PLATING TYPE G PART NO. | PLATING TYPE B PART NO. | PLATING TYPE C PART NO. | PLATING TYPE D PART NO. |
|  | I X 1        | 90120-0281              | 90120-0441              | 90120-0601              | 90120-1081              |   | I X 1        | 90120-1001              | 90120-0201              | 90120-0361              | 90120-0521              |
|  | I X 2        | -0282                   | -0442                   | -0602                   | -1082                   |   | I X 2        | -1002                   | -0202                   | -0362                   | -0522                   |
|  | I X 3        | -0283                   | -0443                   | -0603                   | -1083                   |   | I X 3        | -1003                   | -0203                   | -0363                   | -0523                   |
|  | I X 4        | -0284                   | -0444                   | -0604                   | -1084                   |   | I X 4        | -1004                   | -0204                   | -0364                   | -0524                   |
|  | I X 5        | -0285                   | -0445                   | -0605                   | -1085                   |   | I X 5        | -1005                   | -0205                   | -0365                   | -0525                   |
|  | I X 6        | -0286                   | -0446                   | -0606                   | -1086                   |   | I X 6        | -1006                   | -0206                   | -0366                   | -0526                   |
|  | I X 7        | -0287                   | -0447                   | -0607                   | -1087                   |   | I X 7        | -1007                   | -0207                   | -0367                   | -0527                   |
|  | I X 8        | -0288                   | -0448                   | -0608                   | -1088                   |   | I X 8        | -1008                   | -0208                   | -0368                   | -0528                   |
|  | I X 9        | -0289                   | -0449                   | -0609                   | -1089                   |   | I X 9        | -1009                   | -0209                   | -0369                   | -0529                   |
|  | I X 10       | -0290                   | -0450                   | -0610                   | -1090                   |   | I X 10       | -1010                   | -0210                   | -0370                   | -0530                   |
|  | I X 11       | -0291                   | -0451                   | -0611                   | -1091                   |   | I X 11       | -1011                   | -0211                   | -0371                   | -0531                   |
|  | I X 12       | -0292                   | -0452                   | -0612                   | -1092                   |   | I X 12       | -1012                   | -0212                   | -0372                   | -0532                   |
|  | I X 13       | -0293                   | -0453                   | -0613                   | -1093                   |   | I X 13       | -1013                   | -0213                   | -0373                   | -0533                   |
|  | I X 14       | -0294                   | -0454                   | -0614                   | -1094                   |   | I X 14       | -1014                   | -0214                   | -0374                   | -0534                   |
|  | I X 15       | -0295                   | -0455                   | -0615                   | -1095                   |   | I X 15       | -1015                   | -0215                   | -0375                   | -0535                   |
|  | I X 16       | -0296                   | -0456                   | -0616                   | -1096                   |   | I X 16       | -1016                   | -0216                   | -0376                   | -0536                   |
|  | I X 17       | -0297                   | -0457                   | -0617                   | -1097                   |   | I X 17       | -1017                   | -0217                   | -0377                   | -0537                   |
|  | I X 18       | -0298                   | -0458                   | -0618                   | -1098                   |   | I X 18       | -1018                   | -0218                   | -0378                   | -0538                   |
|  | I X 19       | -0299                   | -0459                   | -0619                   | -1099                   |   | I X 19       | -1019                   | -0219                   | -0379                   | -0539                   |
|  | I X 20       | -0300                   | -0460                   | -0620                   | -1100                   |   | I X 20       | -1020                   | -0220                   | -0380                   | -0540                   |
|  | I X 21       | -0301                   | -0461                   | -0621                   | -1101                   |   | I X 21       | -1021                   | -0221                   | -0381                   | -0541                   |
|  | I X 22       | -0302                   | -0462                   | -0622                   | -1102                   |   | I X 22       | -1022                   | -0222                   | -0382                   | -0542                   |
|  | I X 23       | -0303                   | -0463                   | -0623                   | -1103                   |   | I X 23       | -1023                   | -0223                   | -0383                   | -0543                   |
|  | I X 24       | -0304                   | -0464                   | -0624                   | -1104                   |   | I X 24       | -1024                   | -0224                   | -0384                   | -0544                   |
|  | I X 25       | -0305                   | -0465                   | -0625                   | -1105                   |   | I X 25       | -1025                   | -0225                   | -0385                   | -0545                   |
|  | I X 26       | -0306                   | -0466                   | -0626                   | -1106                   |   | I X 26       | -1026                   | -0226                   | -0386                   | -0546                   |
|  | I X 27       | -0307                   | -0467                   | -0627                   | -1107                   |   | I X 27       | -1027                   | -0227                   | -0387                   | -0547                   |
|  | I X 28       | -0308                   | -0468                   | -0628                   | -1108                   |   | I X 28       | -1028                   | -0228                   | -0388                   | -0548                   |
|  | I X 29       | -0309                   | -0469                   | -0629                   | -1109                   |   | I X 29       | -1029                   | -0229                   | -0389                   | -0549                   |
|  | I X 30       | -0310                   | -0470                   | -0630                   | -1110                   |   | I X 30       | -1030                   | -0230                   | -0390                   | -0550                   |
|  | I X 31       | -0311                   | -0471                   | -0631                   | -1111                   |   | I X 31       | -1031                   | -0231                   | -0391                   | -0551                   |
|  | I X 32       | -0312                   | -0472                   | -0632                   | -1112                   |   | I X 32       | -1032                   | -0232                   | -0392                   | -0552                   |
|  | I X 33       | -0313                   | -0473                   | -0633                   | -1113                   |   | I X 33       | -1033                   | -0233                   | -0393                   | -0553                   |
|  | I X 34       | -0314                   | -0474                   | -0634                   | -1114                   |   | I X 34       | -1034                   | -0234                   | -0394                   | -0554                   |
|  | I X 35       | -0315                   | -0475                   | -0635                   | -1115                   |   | I X 35       | -1035                   | -0235                   | -0395                   | -0555                   |
|  | I X 36       | -0316                   | -0476                   | -0636                   | -1116                   |   | I X 36       | -1036                   | -0236                   | -0396                   | -0556                   |
|  | I X 37       | -0317                   | -0477                   | -0637                   | -1117                   |   | I X 37       | -1037                   | -0237                   | -0397                   | -0557                   |
|  | I X 38       | -0318                   | -0478                   | -0638                   | -1118                   |   | I X 38       | -1038                   | -0238                   | -0398                   | -0558                   |
|  | I X 39       | -0319                   | -0479                   | -0639                   | -1119                   |   | I X 39       | -1039                   | -0239                   | -0399                   | -0559                   |
|  | I X 40       | 90120-0320              | 90120-0480              | 90120-0640              | 90120-1120              |   | I X 40       | 90120-1040              | 90120-0240              | 90120-0400              | 90120-0560              |

DIM C (+0.20) ±.008 (6.75) .266

DIM C (+0.20) ±.008 (5.75) .226

DIM D (+0.30) ±.008 (2.90) .114

DIM D (+0.30) ±.008 (2.90) .114

NOTES:  
FOR PLATING VARIATIONS SEE  
ENG.STD. SDES-99000-0003.

**NON-STANDARD PRODUCTS  
NOT FOR GENERAL RELEASE**

| REV | DESCRIPTION    | DATE       | BY         | APPR       |
|-----|----------------|------------|------------|------------|
| 1   | REVISE PIN DIM | 2011/01/05 | DRW:SKANG  | CHK:DATSEE |
| 2   |                | 2011/03/22 | CHK:DATSEE | APPR:MLONG |

| QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) |        |
|-----------------|---------------------------------------|--------|
|                 | mm                                    | INCH   |
| ▽=0             | 4 PLACES ±.005                        | ±.0002 |
| ▽=0             | 3 PLACES ±.005                        | ±.0002 |
| ▽=0             | 2 PLACES ±.005                        | ±.0002 |
| ▽=0             | 1 PLACE ±.005                         | ±.0002 |
|                 | ANGULAR ±.005°                        |        |

| DIMENSION STYLE |              | SCALE                                                                                                                         | DESIGN UNITS | THIRD ANGLE PROJECTION |
|-----------------|--------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------|
| MM/IN           |              | NTS                                                                                                                           | METRIC       |                        |
| DRAWN BY        | DATE         | TITLE                                                                                                                         |              |                        |
| JDENNEHY        | 2006/01/18   | C-GRID III SINGLE ROW STRAIGHT PIN HEADER                                                                                     |              |                        |
| CHECKED BY      | DATE         | MOLEX INCORPORATED                                                                                                            |              |                        |
| DWASZKIEWICZ    | 2006/01/18   | SDA-90120                                                                                                                     |              |                        |
| APPROVED BY     | DATE         | SHEET NO.                                                                                                                     |              |                        |
| MLONG           | 2009/12/21   | 5 OF 6                                                                                                                        |              |                        |
| MATERIAL NO.    | DOCUMENT NO. | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |              |                        |
| SEE TABLE       |              |                                                                                                                               |              |                        |

| SIZE | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |  |
|------|-------------------------------------------------------------------------------------------------------------------------------|--|--|
| A3   |                                                                                                                               |  |  |

|   | 10           | 9                       | 8                       | 7                       | 6                       | 5 | 4            | 3                       | 2                       | 1                       |                         |
|---|--------------|-------------------------|-------------------------|-------------------------|-------------------------|---|--------------|-------------------------|-------------------------|-------------------------|-------------------------|
|   | CIRCUIT SIZE | PLATING TYPE B PART NO. | PLATING TYPE C PART NO. | PLATING TYPE D PART NO. | PLATING TYPE G PART NO. |   | CIRCUIT SIZE | PLATING TYPE B PART NO. | PLATING TYPE C PART NO. | PLATING TYPE D PART NO. | PLATING TYPE G PART NO. |
| F | I X 1        | 90120-0241              | 90120-0401              | 90120-0561              | 90120-1041              |   | I X 1        | 90120-0321              | 90120-0481              | 90120-0641              | 90120-1121              |
|   | I X 2        | -0242                   | -0402                   | -0562                   | -1042                   |   | I X 2        | -0322                   | -0482                   | -0642                   | -1122                   |
|   | I X 3        | -0243                   | -0403                   | -0563                   | -1043                   |   | I X 3        | -0323                   | -0483                   | -0643                   | -1123                   |
|   | I X 4        | -0244                   | -0404                   | -0564                   | -1044                   |   | I X 4        | -0324                   | -0484                   | -0644                   | -1124                   |
|   | I X 5        | -0245                   | -0405                   | -0565                   | -1045                   |   | I X 5        | -0325                   | -0485                   | -0645                   | -1125                   |
|   | I X 6        | -0246                   | -0406                   | -0566                   | -1046                   |   | I X 6        | -0326                   | -0486                   | -0646                   | -1126                   |
|   | I X 7        | -0247                   | -0407                   | -0567                   | -1047                   |   | I X 7        | -0327                   | -0487                   | -0647                   | -1127                   |
|   | I X 8        | -0248                   | -0408                   | -0568                   | -1048                   |   | I X 8        | -0328                   | -0488                   | -0648                   | -1128                   |
|   | I X 9        | -0249                   | -0409                   | -0569                   | -1049                   |   | I X 9        | -0329                   | -0489                   | -0649                   | -1129                   |
| E | I X 10       | -0250                   | -0410                   | -0570                   | -1050                   |   | I X 10       | -0330                   | -0490                   | -0650                   | -1130                   |
|   | I X 11       | -0251                   | -0411                   | -0571                   | -1051                   |   | I X 11       | -0331                   | -0491                   | -0651                   | -1131                   |
|   | I X 12       | -0252                   | -0412                   | -0572                   | -1052                   |   | I X 12       | -0332                   | -0492                   | -0652                   | -1132                   |
|   | I X 13       | -0253                   | -0413                   | -0573                   | -1053                   |   | I X 13       | -0333                   | -0493                   | -0653                   | -1133                   |
|   | I X 14       | -0254                   | -0414                   | -0574                   | -1054                   |   | I X 14       | -0334                   | -0494                   | -0654                   | -1134                   |
|   | I X 15       | -0255                   | -0415                   | -0575                   | -1055                   |   | I X 15       | -0335                   | -0495                   | -0655                   | -1135                   |
|   | I X 16       | -0256                   | -0416                   | -0576                   | -1056                   |   | I X 16       | -0336                   | -0496                   | -0656                   | -1136                   |
|   | I X 17       | -0257                   | -0417                   | -0577                   | -1057                   |   | I X 17       | -0337                   | -0497                   | -0657                   | -1137                   |
|   | I X 18       | -0258                   | -0418                   | -0578                   | -1058                   |   | I X 18       | -0338                   | -0498                   | -0658                   | -1138                   |
|   | I X 19       | -0259                   | -0419                   | -0579                   | -1059                   |   | I X 19       | -0339                   | -0499                   | -0659                   | -1139                   |
| D | I X 20       | -0260                   | -0420                   | -0580                   | -1060                   |   | I X 20       | -0340                   | -0500                   | -0660                   | -1140                   |
|   | I X 21       | -0261                   | -0421                   | -0581                   | -1061                   |   | I X 21       | -0341                   | -0501                   | -0661                   | -1141                   |
|   | I X 22       | -0262                   | -0422                   | -0582                   | -1062                   |   | I X 22       | -0342                   | -0502                   | -0662                   | -1142                   |
|   | I X 23       | -0263                   | -0423                   | -0583                   | -1063                   |   | I X 23       | -0343                   | -0503                   | -0663                   | -1143                   |
|   | I X 24       | -0264                   | -0424                   | -0584                   | -1064                   |   | I X 24       | -0344                   | -0504                   | -0664                   | -1144                   |
|   | I X 25       | -0265                   | -0425                   | -0585                   | -1065                   |   | I X 25       | -0345                   | -0505                   | -0665                   | -1145                   |
|   | I X 26       | -0266                   | -0426                   | -0586                   | -1066                   |   | I X 26       | -0346                   | -0506                   | -0666                   | -1146                   |
|   | I X 27       | -0267                   | -0427                   | -0587                   | -1067                   |   | I X 27       | -0347                   | -0507                   | -0667                   | -1147                   |
|   | I X 28       | -0268                   | -0428                   | -0588                   | -1068                   |   | I X 28       | -0348                   | -0508                   | -0668                   | -1148                   |
|   | I X 29       | -0269                   | -0429                   | -0589                   | -1069                   |   | I X 29       | -0349                   | -0509                   | -0669                   | -1149                   |
| C | I X 30       | -0270                   | -0430                   | -0590                   | -1070                   |   | I X 30       | -0350                   | -0510                   | -0670                   | -1150                   |
|   | I X 31       | -0271                   | -0431                   | -0591                   | -1071                   |   | I X 31       | -0351                   | -0511                   | -0671                   | -1151                   |
|   | I X 32       | -0272                   | -0432                   | -0592                   | -1072                   |   | I X 32       | -0352                   | -0512                   | -0672                   | -1152                   |
|   | I X 33       | -0273                   | -0433                   | -0593                   | -1073                   |   | I X 33       | -0353                   | -0513                   | -0673                   | -1153                   |
|   | I X 34       | -0274                   | -0434                   | -0594                   | -1074                   |   | I X 34       | -0354                   | -0514                   | -0674                   | -1154                   |
|   | I X 35       | -0275                   | -0435                   | -0595                   | -1075                   |   | I X 35       | -0355                   | -0515                   | -0675                   | -1155                   |
|   | I X 36       | -0276                   | -0436                   | -0596                   | -1076                   |   | I X 36       | -0356                   | -0516                   | -0676                   | -1156                   |
|   | I X 37       | -0277                   | -0437                   | -0597                   | -1077                   |   | I X 37       | -0357                   | -0517                   | -0677                   | -1157                   |
|   | I X 38       | -0278                   | -0438                   | -0598                   | -1078                   |   | I X 38       | -0358                   | -0518                   | -0678                   | -1158                   |
| B | I X 39       | -0279                   | -0439                   | -0599                   | -1079                   |   | I X 39       | -0359                   | -0519                   | -0679                   | -1159                   |
|   | I X 40       | 90120-0280              | 90120-0440              | 90120-0600              | 90120-1080              |   | I X 40       | 90120-0360              | 90120-0520              | 90120-0680              | 90120-1160              |

DIM C (±0.25) ±.008 (5.75) .226

DIM C (±0.25) ±.008 (6.75) .266

DIM D (±0.25) ±.008 (4.50) .177

DIM D (±0.25) ±.008 (4.50) .177

NOTES:  
FOR PLATING VARIATIONS SEE  
ENG.STD. SDES-99000-0003.

**NON-STANDARD PRODUCTS  
NOT FOR GENERAL RELEASE**

|                   |            |            |                 |
|-------------------|------------|------------|-----------------|
| REVISE PIN DIM    | 2011/01/05 | DRW:SKANG  | QUALITY SYMBOLS |
| EC NO: S2011-0579 | 2011/03/22 | CHK:DATSEE | ▽=0             |
| APPR:MLONG        | 2011/03/22 |            | ▽=0             |
|                   |            |            | ▽=0             |

| GENERAL TOLERANCES (UNLESS SPECIFIED) |      |
|---------------------------------------|------|
| mm                                    | INCH |
| 4 PLACES ±---                         | ±--- |
| 3 PLACES ±---                         | ±--- |
| 2 PLACES ±---                         | ±--- |
| 1 PLACE ±---                          | ±--- |
| ANGULAR ±---°                         |      |

| DIMENSION STYLE |            |
|-----------------|------------|
| MM/IN           |            |
| DRAWN BY        | DATE       |
| JDENNEHY        | 2006/01/18 |
| CHECKED BY      | DATE       |
| DWASZKIEWICZ    | 2006/01/18 |
| APPROVED BY     | DATE       |
| MLONG           | 2009/12/21 |

|                                                 |              |                        |
|-------------------------------------------------|--------------|------------------------|
| SCALE                                           | DESIGN UNITS | THIRD ANGLE PROJECTION |
| NTS                                             | METRIC       |                        |
| TITLE                                           |              |                        |
| C-GRID III<br>SINGLE ROW STRAIGHT<br>PIN HEADER |              |                        |
| MOLEX INCORPORATED                              |              |                        |
| MATERIAL NO.                                    | DOCUMENT NO. | SHEET NO.              |
| SEE TABLE                                       | SDA-90120    | 6 OF 6                 |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION