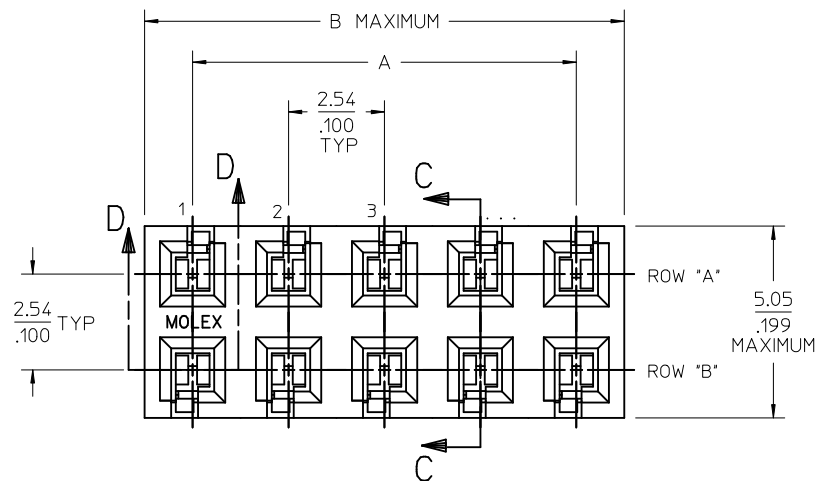
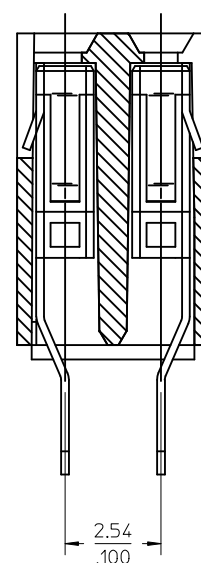
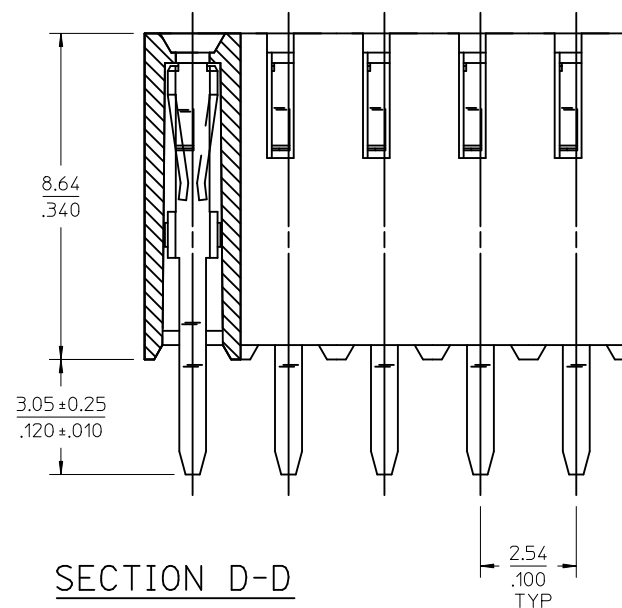
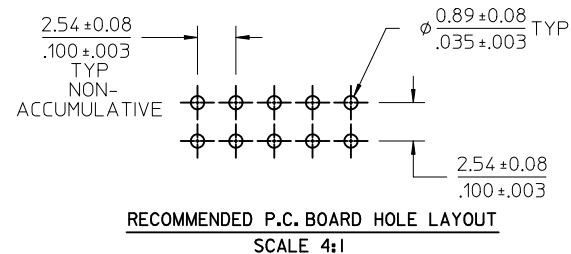




# NOTES:

1. HOUSING MATERIAL: GLASS FILLED LIQUID CRYSTAL POLYMER, UL 94V-0, COLOR: BLACK.  
TERMINAL MATERIAL: PHOSPHOR BRONZE
2. FINISHES: SEE CHART SHEET 2.
3. REFER TO PRODUCT SPECIFICATION PS-70181.
4. PACKAGING IN TRAYS PER PK-70873-0660.
5. SEE SHEET 2 FOR CIRCUIT SIZES AND OVERALL DIMENSIONS.
6. RECOMMENDED PCB THICKNESS 1.37-1.80/.054-.071.
7. PART COMPLIES WITH CLASS C REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.



|                                                                                                                          |  |             |                                      |                                       |    |                           |                 |                                                                                                                               |                                                                            |                        |  |
|--------------------------------------------------------------------------------------------------------------------------|--|-------------|--------------------------------------|---------------------------------------|----|---------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------|--|
| CORRECT 2.54 DIM.<br>EC NO: UCP2012-2906<br>DRWN:MMSTROH 2012/03/05<br>CHKD:MKIPPER 2012/03/07<br>APPR:FSMITH 2012/03/08 |  | DESCRIPTION | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |    | DIMENSION STYLE<br>MM/IN  |                 | SCALE                                                                                                                         | DESIGN UNITS<br>INCH                                                       | THIRD ANGLE PROJECTION |  |
|                                                                                                                          |  |             |                                      |                                       | mm | INCH                      | DRAWN BY<br>SKL | DATE<br>1988/02/29                                                                                                            | TITLE<br>SALES VERTICAL MOUNT<br>DUAL ROW HIGH TEMP<br>.100 X .100 PC GRID |                        |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                               |  |             |                                      | 4 PLACES ± --- ± ---                  |    | CHECKED BY<br>MJM         |                 | DATE<br>1988/02/29                                                                                                            |                                                                            | MOLEX INCORPORATED     |  |
|                                                                                                                          |  |             |                                      | 3 PLACES ± --- ± .005                 |    | DATE                      |                 |                                                                                                                               |                                                                            |                        |  |
|                                                                                                                          |  |             |                                      | 2 PLACES ± 0.13 ± .010                |    | APPROVED BY<br>WAZ        |                 | DATE<br>1988/02/29                                                                                                            |                                                                            | SDA-71850-0***         |  |
|                                                                                                                          |  |             |                                      | 1 PLACE ± 0.25 ± ---                  |    | DATE                      |                 |                                                                                                                               |                                                                            |                        |  |
|                                                                                                                          |  |             |                                      | ANGULAR ±1/2°                         |    | MATERIAL NO.<br>SEE TABLE |                 | DOCUMENT NO.                                                                                                                  |                                                                            | SHEET NO.<br>1 OF 2    |  |
|                                                                                                                          |  |             |                                      |                                       |    | SIZE<br>C                 |                 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                            |                        |  |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------|--------------|-------------------------------|------------------------------------------|--------------|-------------------------------|------------------------------------------|--------------|-------------------------------|---------|-------|---------|-------|---|
|   | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12    | 11                                   | 10           | 9                             | 8                                        | 7            | 6                             | 5                                        | 4            | 3                             | 2       | 1     |         |       |   |
| J | J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       | J       |       |   |
|   | CKT. SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | TERMINAL: 70172-0004<br>PLATING: TIN |              |                               | TERMINAL: 70172-0006<br>PLATING: 15 GOLD |              |                               | TERMINAL: 70172-0008<br>PLATING: 30 GOLD |              |                               |         |       |         |       |   |
|   | PER ROW                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | TOTAL | EDP NO                               | ENG NO       | RELEASED FOR<br>MANUFACTURING | EDP NO                                   | ENG NO       | RELEASED FOR<br>MANUFACTURING | EDP NO                                   | ENG NO       | RELEASED FOR<br>MANUFACTURING | DIM."A" |       | DIM."B" |       |   |
|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |                                      |              |                               |                                          |              |                               |                                          |              |                               | MM      | INCH  | MM      | INCH  |   |
|   | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4     | 15-44-6804                           | A-71850-0065 |                               | 15-44-5804                               | A-71850-0129 |                               | 15-44-5104                               | A-71850-0193 |                               | 2,54    | .100  | 5,05    | .199  |   |
|   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6     | 15-44-6806                           | A-71850-0066 |                               | 15-44-5806                               | A-71850-0130 |                               | 15-44-5106                               | A-71850-0194 |                               | 5,08    | .200  | 7,59    | .299  |   |
|   | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8     | 15-44-6808                           | A-71850-0067 |                               | 15-44-5808                               | A-71850-0131 |                               | 15-44-5108                               | A-71850-0195 |                               | 7,62    | .300  | 10,13   | .399  |   |
| I | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10    | 15-44-6810                           | A-71850-0068 |                               | 15-44-5810                               | A-71850-0132 |                               | 15-44-5110                               | A-71850-0196 |                               | 10,16   | .400  | 12,67   | .499  |   |
|   | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12    | 15-44-6812                           | A-71850-0069 |                               | 15-44-5812                               | A-71850-0133 |                               | 15-44-5112                               | A-71850-0197 |                               | 12,70   | .500  | 15,21   | .599  |   |
|   | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14    | 15-44-6814                           | A-71850-0070 |                               | 15-44-5814                               | A-71850-0134 |                               | 15-44-5114                               | A-71850-0198 |                               | 15,24   | .600  | 17,75   | .699  |   |
|   | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16    | 15-44-6816                           | A-71850-0071 |                               | 15-44-5816                               | A-71850-0135 |                               | 15-44-5116                               | A-71850-0199 |                               | 17,78   | .700  | 20,29   | .799  |   |
|   | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18    | 15-44-6818                           | A-71850-0072 |                               | 15-44-5818                               | A-71850-0136 |                               | 15-44-5118                               | A-71850-0200 |                               | 20,32   | .800  | 22,83   | .899  |   |
|   | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20    | 15-44-6820                           | A-71850-0073 |                               | 15-44-5820                               | A-71850-0137 |                               | 15-44-5120                               | A-71850-0201 |                               | 22,86   | .900  | 25,37   | .999  |   |
|   | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 22    | 15-44-6822                           | A-71850-0074 |                               | 15-44-5822                               | A-71850-0138 |                               | 15-44-5122                               | A-71850-0202 |                               | 25,40   | 1,000 | 27,91   | 1,099 |   |
| H | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 24    | 15-44-6824                           | A-71850-0075 |                               | 15-44-5824                               | A-71850-0139 |                               | 15-44-5124                               | A-71850-0203 |                               | 27,94   | 1,100 | 30,45   | 1,199 |   |
|   | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 26    | 15-44-6826                           | A-71850-0076 |                               | 15-44-5826                               | A-71850-0140 |                               | 15-44-5126                               | A-71850-0204 |                               | 30,48   | 1,200 | 32,99   | 1,299 |   |
|   | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 28    | 15-44-6828                           | A-71850-0077 |                               | 15-44-5828                               | A-71850-0141 |                               | 15-44-5128                               | A-71850-0205 |                               | 33,02   | 1,300 | 35,53   | 1,399 |   |
|   | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 30    | 15-44-6830                           | A-71850-0078 |                               | 15-44-5830                               | A-71850-0142 |                               | 15-44-5130                               | A-71850-0206 |                               | 35,56   | 1,400 | 38,07   | 1,499 |   |
|   | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32    | 15-44-6832                           | A-71850-0079 |                               | 15-44-5832                               | A-71850-0143 |                               | 15-44-5132                               | A-71850-0207 |                               | 38,10   | 1,500 | 40,61   | 1,599 |   |
|   | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 34    | 15-44-6834                           | A-71850-0080 |                               | 15-44-5834                               | A-71850-0144 |                               | 15-44-5134                               | A-71850-0208 |                               | 40,64   | 1,600 | 43,15   | 1,699 |   |
| G | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 36    | 15-44-6836                           | A-71850-0081 |                               | 15-44-5836                               | A-71850-0145 |                               | 15-44-5136                               | A-71850-0209 |                               | 43,18   | 1,700 | 45,69   | 1,799 |   |
|   | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 38    | 15-44-6838                           | A-71850-0082 |                               | 15-44-5838                               | A-71850-0146 |                               | 15-44-5138                               | A-71850-0210 |                               | 45,72   | 1,800 | 48,23   | 1,899 |   |
|   | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 40    | 15-44-6840                           | A-71850-0083 |                               | 15-44-5840                               | A-71850-0147 |                               | 15-44-5140                               | A-71850-0211 |                               | 48,26   | 1,900 | 50,77   | 1,999 |   |
|   | 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 42    | 15-44-6842                           | A-71850-0084 |                               | 15-44-5842                               | A-71850-0148 |                               | 15-44-5142                               | A-71850-0212 |                               | 50,80   | 2,000 | 53,31   | 2,099 |   |
|   | 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 44    | 15-44-6844                           | A-71850-0085 |                               | 15-44-5844                               | A-71850-0149 |                               | 15-44-5144                               | A-71850-0213 |                               | 53,34   | 2,100 | 55,85   | 2,199 |   |
|   | 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 46    | 15-44-6846                           | A-71850-0086 |                               | 15-44-5846                               | A-71850-0150 |                               | 15-44-5146                               | A-71850-0214 |                               | 55,88   | 2,200 | 58,39   | 2,299 |   |
|   | 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 48    | 15-44-6848                           | A-71850-0087 |                               | 15-44-5848                               | A-71850-0151 |                               | 15-44-5148                               | A-71850-0215 |                               | 58,42   | 2,300 | 60,93   | 2,399 |   |
| F | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50    | 15-44-6850                           | A-71850-0088 |                               | 15-44-5850                               | A-71850-0152 |                               | 15-44-5150                               | A-71850-0216 |                               | 60,96   | 2,400 | 63,47   | 2,499 |   |
|   | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 52    | 15-44-6852                           | A-71850-0089 |                               | 15-44-5852                               | A-71850-0153 |                               | 15-44-5152                               | A-71850-0217 |                               | 63,50   | 2,500 | 66,01   | 2,599 |   |
|   | 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 54    | 15-44-6854                           | A-71850-0090 |                               | 15-44-5854                               | A-71850-0154 |                               | 15-44-5154                               | A-71850-0218 |                               | 66,04   | 2,600 | 68,55   | 2,699 |   |
|   | 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56    | 15-44-6856                           | A-71850-0091 |                               | 15-44-5856                               | A-71850-0155 |                               | 15-44-5156                               | A-71850-0219 |                               | 68,58   | 2,700 | 71,09   | 2,799 |   |
|   | 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 58    | 15-44-6858                           | A-71850-0092 |                               | 15-44-5858                               | A-71850-0156 |                               | 15-44-5158                               | A-71850-0220 |                               | 71,12   | 2,800 | 73,63   | 2,899 |   |
|   | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 60    | 15-44-6860                           | A-71850-0093 |                               | 15-44-5860                               | A-71850-0157 |                               | 15-44-5160                               | A-71850-0221 |                               | 73,66   | 2,900 | 76,17   | 2,999 |   |
| E | 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 62    | 15-44-6862                           | A-71850-0094 |                               | 15-44-5862                               | A-71850-0158 |                               | 15-44-5162                               | A-71850-0222 |                               | 76,20   | 3,000 | 78,71   | 3,099 |   |
|   | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 64    | 15-44-6864                           | A-71850-0095 |                               | 15-44-5864                               | A-71850-0159 |                               | 15-44-5164                               | A-71850-0223 |                               | 78,74   | 3,100 | 81,25   | 3,199 |   |
|   | 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 66    | 15-44-6866                           | A-71850-0096 |                               | 15-44-5866                               | A-71850-0160 |                               | 15-44-5166                               | A-71850-0224 |                               | 81,28   | 3,200 | 83,79   | 3,299 |   |
|   | 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 68    | 15-44-6868                           | A-71850-0097 |                               | 15-44-5868                               | A-71850-0161 |                               | 15-44-5168                               | A-71850-0225 |                               | 83,82   | 3,300 | 86,33   | 3,399 |   |
|   | 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 70    | 15-44-6870                           | A-71850-0098 |                               | 15-44-5870                               | A-71850-0162 |                               | 15-44-5170                               | A-71850-0226 |                               | 86,36   | 3,400 | 88,87   | 3,499 |   |
|   | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 72    | 15-44-6872                           | A-71850-0099 |                               | 15-44-5872                               | A-71850-0163 |                               | 15-44-5172                               | A-71850-0227 |                               | 88,90   | 3,500 | 91,41   | 3,599 |   |
| D | 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 74    | 15-44-6874                           | A-71850-0100 |                               | 15-44-5874                               | A-71850-0164 |                               | 15-44-5174                               | A-71850-0228 |                               | 91,44   | 3,600 | 93,95   | 3,699 |   |
|   | 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 76    | 15-44-6876                           | A-71850-0101 |                               | 15-44-5876                               | A-71850-0165 |                               | 15-44-5176                               | A-71850-0229 |                               | 93,98   | 3,700 | 96,49   | 3,799 |   |
|   | 39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 78    | 15-44-6878                           | A-71850-0102 |                               | 15-44-5878                               | A-71850-0166 |                               | 15-44-5178                               | A-71850-0230 |                               | 96,52   | 3,800 | 99,03   | 3,899 |   |
|   | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80    | 15-44-6880                           | A-71850-0103 |                               | 15-44-5880                               | A-71850-0167 |                               | 15-44-5180                               | A-71850-0231 |                               | 99,06   | 3,900 | 101,57  | 3,999 |   |
| C | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       | C |
| B | B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       | B |
| A | A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       | A |
|   | PLATING PER ES-88-***<br>TIN - (3.81 MICROMETERS)/150 MICROINCHES MINIMUM TIN OVERALL OVER NICKEL UNDERPLATE OVERALL.<br>15 GOLD - (0.38 MICROMETERS)/15 MICROINCHES MINIMUM GOLD PLATE IN SELECT AREA, (1.90 MICROMETERS)/75 MICROINCHES MINIMUM TIN IN SELECT AREA OVER NICKEL UNDERPLATE OVERALL.<br>30 GOLD - (0.76 MICROMETERS)/30 MICROINCHES MINIMUM GOLD PLATE IN SELECT AREA, (1.90 MICROMETERS)/75 MICROINCHES MINIMUM TIN IN SELECT AREA OVER NICKEL UNDERPLATE OVERALL. |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | SEE SHEET 1<br>EC NO: UCP2012-2906<br>DRWN:MMSTROH<br>CHKD:MK1PPER<br>APPR:FSMITH<br>2012/03/05<br>2012/03/07<br>2012/03/08                                                                                                                                                                                                                                                                                                                                                         |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>mm INCH<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .005<br>2 PLACES ± 0.13 ± .010<br>1 PLACE ± 0.25 ± ---<br>ANGULAR ±1/2°                                                                                                                                                                                                                                                                                                                |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | DIMENSION STYLE<br>MM/IN<br>DRAWN BY DATE<br>SKL 1988/02/29<br>CHECKED BY DATE<br>MJM 1988/02/29<br>APPROVED BY DATE<br>WAZ 1988/02/29                                                                                                                                                                                                                                                                                                                                              |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | SCALE<br>1:1<br>DESIGN UNITS<br>INCH<br>THIRD ANGLE PROJECTION                                                                                                                                                                                                                                                                                                                                                                                                                      |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | TITLE<br>SALES VERTICAL MOUNT<br>DUAL ROW HIGH TEMP<br>.100 X .100 PC GRID                                                                                                                                                                                                                                                                                                                                                                                                          |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | molex MOLEX INCORPORATED                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | MATERIAL NO. SEE TABLE<br>DOCUMENT NO. SDA-71850-0***<br>SHEET NO. 2 OF 2                                                                                                                                                                                                                                                                                                                                                                                                           |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                                                                                                                                                                                                                                                                                                                                                                          |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | SIZE<br>C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                                                                                                                                                                                                                                                                                                                             |       |                                      |              |                               |                                          |              |                               |                                          |              |                               |         |       |         |       |   |
|   | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11    | 10                                   | 9            | 8                             | 7                                        | 6            | 5                             | 4                                        | 3            | 2                             | 1       |       |         |       |   |
|   | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 11    | 10                                   | 9            | 8                             | 7                                        | 6            | 5                             | 4                                        | 3            | 2                             | 1       |       |         |       |   |