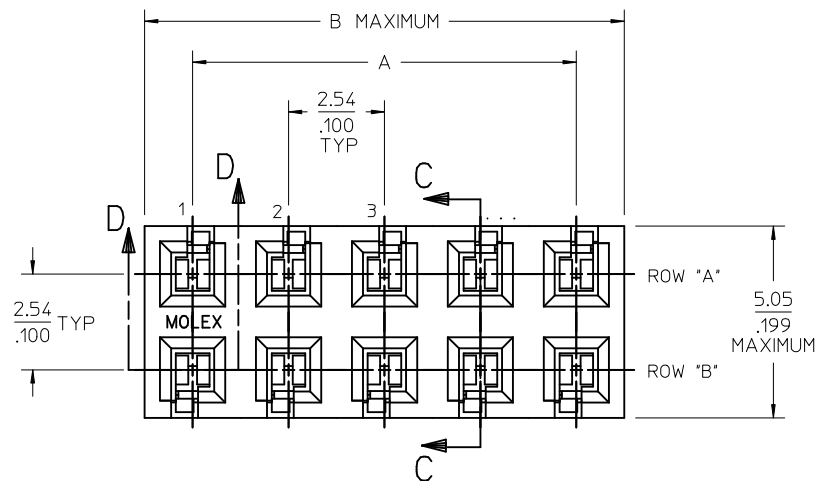
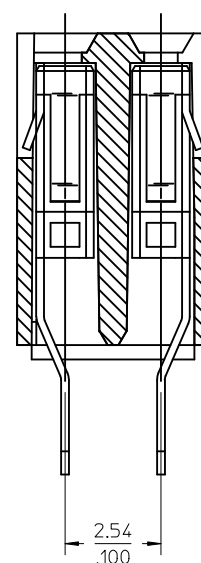
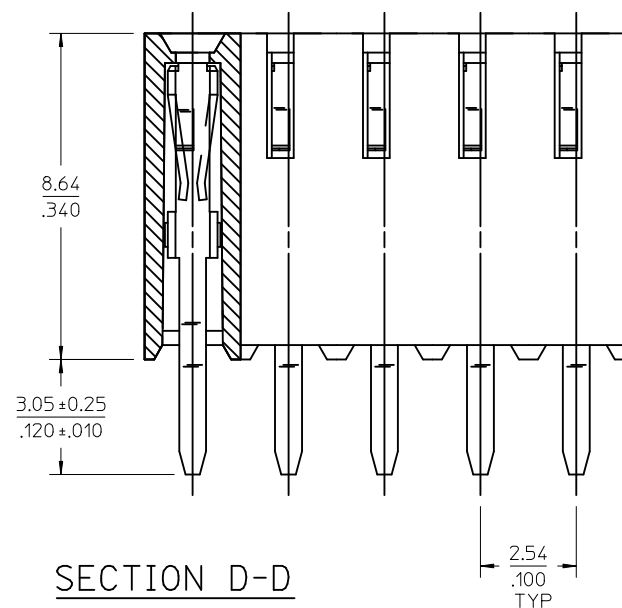
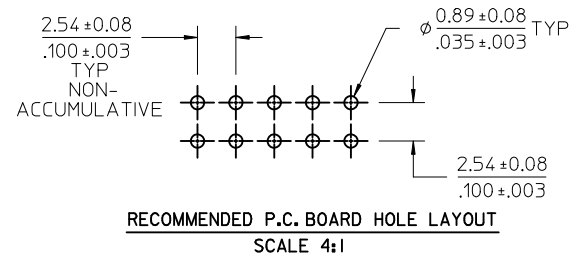




# NOTES:

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.



SECTION D-D

SECTION C-C

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

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |                                      |               |                               |                                          |                |                               |                                          |                |                               |         |       |         |       |    |      |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------|---------------|-------------------------------|------------------------------------------|----------------|-------------------------------|------------------------------------------|----------------|-------------------------------|---------|-------|---------|-------|----|------|
|   | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 12    | 11                                   | 10            | 9                             | 8                                        | 7              | 6                             | 5                                        | 4              | 3                             | 2       | 1     |         |       |    |      |
| J |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |                                      |               |                               |                                          |                |                               |                                          |                |                               |         |       | J       |       |    |      |
|   | CKT. SIZE                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       | TERMINAL: 70172-0004<br>PLATING: TIN |               |                               | TERMINAL: 70172-0006<br>PLATING: 15 GOLD |                |                               | TERMINAL: 70172-0008<br>PLATING: 30 GOLD |                |                               | DIM."A" |       | DIM."B" |       |    |      |
|   | 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 | MM      | INCH  | MM      | INCH  | MM | INCH |
|   | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4     | I5-44-6804                           | A-7 I850-0065 |                               | I5-44-5804                               | A-7 I850-0 I29 |                               | I5-44-5 I04                              | A-7 I850-0 I93 |                               | 2,54    | .100  | 5,05    | .199  |    |      |
|   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 6     | I5-44-6806                           | A-7 I850-0066 |                               | I5-44-5806                               | A-7 I850-0 I30 |                               | I5-44-5 I06                              | A-7 I850-0 I94 |                               | 5,08    | .200  | 7,59    | .299  |    |      |
|   | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 8     | I5-44-6808                           | A-7 I850-0067 |                               | I5-44-5808                               | A-7 I850-0 I31 |                               | I5-44-5 I08                              | A-7 I850-0 I95 |                               | 7,62    | .300  | 10,13   | .399  |    |      |
| I | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10    | I5-44-68 I0                          | A-7 I850-0068 |                               | I5-44-58 I0                              | A-7 I850-0 I32 |                               | I5-44-5 I10                              | A-7 I850-0 I96 |                               | 10,16   | .400  | 12,67   | .499  |    |      |
|   | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12    | I5-44-6812                           | A-7 I850-0069 |                               | I5-44-5812                               | A-7 I850-0 I33 |                               | I5-44-5 I12                              | A-7 I850-0 I97 |                               | 12,70   | .500  | 15,21   | .599  |    |      |
|   | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 14    | I5-44-6814                           | A-7 I850-0070 |                               | I5-44-5814                               | A-7 I850-0 I34 |                               | I5-44-5 I14                              | A-7 I850-0 I98 |                               | 15,24   | .600  | 17,75   | .699  |    |      |
|   | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16    | I5-44-6816                           | A-7 I850-0071 |                               | I5-44-5816                               | A-7 I850-0 I35 |                               | I5-44-5 I16                              | A-7 I850-0 I99 |                               | 17,78   | .700  | 20,29   | .799  |    |      |
|   | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 18    | I5-44-6818                           | A-7 I850-0072 |                               | I5-44-5818                               | A-7 I850-0 I36 |                               | I5-44-5 I18                              | A-7 I850-0200  |                               | 20,32   | .800  | 22,83   | .899  |    |      |
|   | 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20    | I5-44-6820                           | A-7 I850-0073 |                               | I5-44-5820                               | A-7 I850-0 I37 |                               | I5-44-5 I20                              | A-7 I850-0201  |                               | 22,86   | .900  | 25,37   | .999  |    |      |
|   | 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 22    | I5-44-6822                           | A-7 I850-0074 |                               | I5-44-5822                               | A-7 I850-0 I38 |                               | I5-44-5 I22                              | A-7 I850-0202  |                               | 25,40   | 1,000 | 27,91   | 1,099 |    |      |
| H | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 24    | I5-44-6824                           | A-7 I850-0075 |                               | I5-44-5824                               | A-7 I850-0 I39 |                               | I5-44-5 I24                              | A-7 I850-0203  |                               | 27,94   | 1,100 | 30,45   | 1,199 |    |      |
|   | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 26    | I5-44-6826                           | A-7 I850-0076 |                               | I5-44-5826                               | A-7 I850-0 I40 |                               | I5-44-5 I26                              | A-7 I850-0204  |                               | 30,48   | 1,200 | 32,99   | 1,299 |    |      |
|   | 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 28    | I5-44-6828                           | A-7 I850-0077 |                               | I5-44-5828                               | A-7 I850-0 I41 |                               | I5-44-5 I28                              | A-7 I850-0205  |                               | 33,02   | 1,300 | 35,53   | 1,399 |    |      |
|   | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 30    | I5-44-6830                           | A-7 I850-0078 |                               | I5-44-5830                               | A-7 I850-0 I42 |                               | I5-44-5 I30                              | A-7 I850-0206  |                               | 35,56   | 1,400 | 38,07   | 1,499 |    |      |
|   | 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 32    | I5-44-6832                           | A-7 I850-0079 |                               | I5-44-5832                               | A-7 I850-0 I43 |                               | I5-44-5 I32                              | A-7 I850-0207  |                               | 38,10   | 1,500 | 40,61   | 1,599 |    |      |
|   | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 34    | I5-44-6834                           | A-7 I850-0080 |                               | I5-44-5834                               | A-7 I850-0 I44 |                               | I5-44-5 I34                              | A-7 I850-0208  |                               | 40,64   | 1,600 | 43,15   | 1,699 |    |      |
| G | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 36    | I5-44-6836                           | A-7 I850-0081 |                               | I5-44-5836                               | A-7 I850-0 I45 |                               | I5-44-5 I36                              | A-7 I850-0209  |                               | 43,18   | 1,700 | 45,69   | 1,799 |    |      |
|   | 19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 38    | I5-44-6838                           | A-7 I850-0082 |                               | I5-44-5838                               | A-7 I850-0 I46 |                               | I5-44-5 I38                              | A-7 I850-0210  |                               | 45,72   | 1,800 | 48,23   | 1,899 |    |      |
|   | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 40    | I5-44-6840                           | A-7 I850-0083 |                               | I5-44-5840                               | A-7 I850-0 I47 |                               | I5-44-5 I40                              | A-7 I850-0211  |                               | 48,26   | 1,900 | 50,77   | 1,999 |    |      |
|   | 21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 42    | I5-44-6842                           | A-7 I850-0084 |                               | I5-44-5842                               | A-7 I850-0 I48 |                               | I5-44-5 I42                              | A-7 I850-0212  |                               | 50,80   | 2,000 | 53,31   | 2,099 |    |      |
|   | 22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 44    | I5-44-6844                           | A-7 I850-0085 |                               | I5-44-5844                               | A-7 I850-0 I49 |                               | I5-44-5 I44                              | A-7 I850-0213  |                               | 53,34   | 2,100 | 55,85   | 2,199 |    |      |
|   | 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 46    | I5-44-6846                           | A-7 I850-0086 |                               | I5-44-5846                               | A-7 I850-0 I50 |                               | I5-44-5 I46                              | A-7 I850-0214  |                               | 55,88   | 2,200 | 58,39   | 2,299 |    |      |
| F | 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 48    | I5-44-6848                           | A-7 I850-0087 |                               | I5-44-5848                               | A-7 I850-0 I51 |                               | I5-44-5 I48                              | A-7 I850-0215  |                               | 58,42   | 2,300 | 60,93   | 2,399 |    |      |
|   | 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50    | I5-44-6850                           | A-7 I850-0088 |                               | I5-44-5850                               | A-7 I850-0 I52 |                               | I5-44-5 I50                              | A-7 I850-0216  |                               | 60,96   | 2,400 | 63,47   | 2,499 |    |      |
|   | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 52    | I5-44-6852                           | A-7 I850-0089 |                               | I5-44-5852                               | A-7 I850-0 I53 |                               | I5-44-5 I52                              | A-7 I850-0217  |                               | 63,50   | 2,500 | 66,01   | 2,599 |    |      |
|   | 27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 54    | I5-44-6854                           | A-7 I850-0090 |                               | I5-44-5854                               | A-7 I850-0 I54 |                               | I5-44-5 I54                              | A-7 I850-0218  |                               | 66,04   | 2,600 | 68,55   | 2,699 |    |      |
|   | 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56    | I5-44-6856                           | A-7 I850-0091 |                               | I5-44-5856                               | A-7 I850-0 I55 |                               | I5-44-5 I56                              | A-7 I850-0219  |                               | 68,58   | 2,700 | 71,09   | 2,799 |    |      |
|   | 29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 58    | I5-44-6858                           | A-7 I850-0092 |                               | I5-44-5858                               | A-7 I850-0 I56 |                               | I5-44-5 I58                              | A-7 I850-0220  |                               | 71,12   | 2,800 | 73,63   | 2,899 |    |      |
|   | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 60    | I5-44-6860                           | A-7 I850-0093 |                               | I5-44-5860                               | A-7 I850-0 I57 |                               | I5-44-5 I60                              | A-7 I850-0221  |                               | 73,66   | 2,900 | 76,17   | 2,999 |    |      |
| E | 31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 62    | I5-44-6862                           | A-7 I850-0094 |                               | I5-44-5862                               | A-7 I850-0 I58 |                               | I5-44-5 I62                              | A-7 I850-0222  |                               | 76,20   | 3,000 | 78,71   | 3,099 |    |      |
|   | 32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 64    | I5-44-6864                           | A-7 I850-0095 |                               | I5-44-5864                               | A-7 I850-0 I59 |                               | I5-44-5 I64                              | A-7 I850-0223  |                               | 78,74   | 3,100 | 81,25   | 3,199 |    |      |
|   | 33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 66    | I5-44-6866                           | A-7 I850-0096 |                               | I5-44-5866                               | A-7 I850-0 I60 |                               | I5-44-5 I66                              | A-7 I850-0224  |                               | 81,28   | 3,200 | 83,79   | 3,299 |    |      |
|   | 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 68    | I5-44-6868                           | A-7 I850-0097 |                               | I5-44-5868                               | A-7 I850-0 I61 |                               | I5-44-5 I68                              | A-7 I850-0225  |                               | 83,82   | 3,300 | 86,33   | 3,399 |    |      |
|   | 35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 70    | I5-44-6870                           | A-7 I850-0098 |                               | I5-44-5870                               | A-7 I850-0 I62 |                               | I5-44-5 I70                              | A-7 I850-0226  |                               | 86,36   | 3,400 | 88,87   | 3,499 |    |      |
|   | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 72    | I5-44-6872                           | A-7 I850-0099 |                               | I5-44-5872                               | A-7 I850-0 I63 |                               | I5-44-5 I72                              | A-7 I850-0227  |                               | 88,90   | 3,500 | 91,41   | 3,599 |    |      |
| D | 37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 74    | I5-44-6874                           | A-7 I850-0100 |                               | I5-44-5874                               | A-7 I850-0101  |                               | I5-44-5 I74                              | A-7 I850-0228  |                               | 91,44   | 3,600 | 93,95   | 3,699 |    |      |
|   | 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 76    | I5-44-6876                           | A-7 I850-0101 |                               | I5-44-5876                               | A-7 I850-0 I65 |                               | I5-44-5 I76                              | A-7 I850-0229  |                               | 93,98   | 3,700 | 96,49   | 3,799 |    |      |
|   | 39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 78    | I5-44-6878                           | A-7 I850-0102 |                               | I5-44-5878                               | A-7 I850-0 I66 |                               | I5-44-5 I78                              | A-7 I850-0230  |                               | 96,52   | 3,800 | 99,03   | 3,899 |    |      |
|   | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80    | I5-44-6880                           | A-7 I850-0103 |                               | I5-44-5880                               | A-7 I850-0 I67 |                               | I5-44-5 I80                              | A-7 I850-0231  |                               | 99,06   | 3,900 | 101,57  | 3,999 |    |      |
| C |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |                                      |               |                               |                                          |                |                               |                                          |                |                               |         |       | C       |       |    |      |
| B |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |                                      |               |                               |                                          |                |                               |                                          |                |                               |         |       | B       |       |    |      |
| 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:WSTROH<br>CHKD:MK IPPER<br>APPR:FSMITH<br>REV                                                                                                                                                                                                                                                                                                                                                                                            |       |                                      |               |                               |                                          |                |                               |                                          |                |                               |         |       |         |       |    |      |
|   | 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°<br>DRAFT WHERE APPLICABLE<br>MUST REMAIN WITHIN DIMENSIONS                                                                                                                                                                                                                                                     |       |                                      |               |                               |                                          |                |                               |                                          |                |                               |         |       |         |       |    |      |
|   | 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<br>MATERIAL NO.<br>DOCUMENT NO.<br>SHEET NO.                                                                                                                                                                                                                                                                                                 |       |                                      |               |                               |                                          |                |                               |                                          |                |                               |         |       |         |       |    |      |
|   | SCALE<br>1:1<br>DESIGN UNITS<br>INCH<br>THIRD ANGLE PROJECTION<br>SALES VERTICAL MOUNT<br>DUAL ROW HIGH TEMP<br>.100 X .100 PC GRID<br>MOLEX MOLEX INCORPORATED<br>SDA-71850-0***<br>2 OF 2                                                                                                                                                                                                                                                                                         |       |                                      |               |                               |                                          |                |                               |                                          |                |                               |         |       |         |       |    |      |
|   | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION                                                                                                                                                                                                                                                                                                                                                       |       |                                      |               |                               |                                          |                |                               |                                          |                |                               |         |       |         |       |    |      |
|   | tb_frame_C_P_AM_T<br>Rev. F 2009/06/18                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12    | 11                                   | 10            | 9                             | 8                                        | 7              | 6                             | 5                                        | 4              | 3                             | 2       | 1     |         |       |    |      |