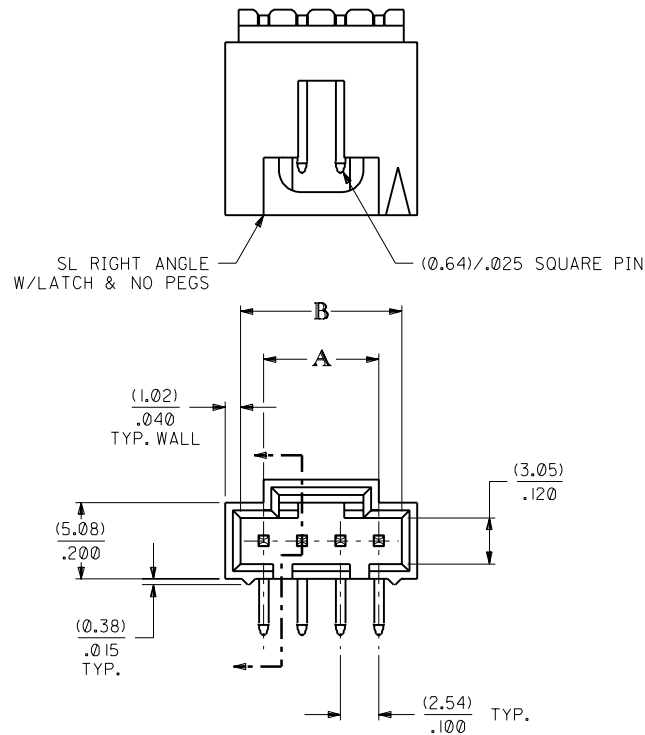


70553

| CKT.<br>SIZE | DIM. "A" |       | DIM. "B" |       |
|--------------|----------|-------|----------|-------|
|              | MM       | IN.   | MM       | IN.   |
| 2            | 2.54     | .100  | 5.33     | .210  |
| 3            | 5.08     | .200  | 8.13     | .320  |
| 4            | 7.62     | .300  | 10.67    | .420  |
| 5            | 10.16    | .400  | 13.21    | .520  |
| 6            | 12.70    | .500  | 15.75    | .620  |
| 7            | 15.24    | .600  | 18.29    | .720  |
| 8            | 17.78    | .700  | 20.83    | .820  |
| 9            | 20.32    | .800  | 23.37    | .920  |
| 10           | 22.86    | .900  | 25.91    | 1.020 |
| 11           | 25.40    | 1.000 | 28.45    | 1.120 |
| 12           | 27.94    | 1.100 | 30.99    | 1.220 |
| 13           | 30.48    | 1.200 | 33.53    | 1.320 |
| 14           | 33.02    | 1.300 | 36.07    | 1.420 |
| 15           | 35.56    | 1.400 | 38.61    | 1.520 |
| 16           | 38.10    | 1.500 | 41.15    | 1.620 |
| 17           | 40.64    | 1.600 | 43.69    | 1.720 |
| 18           | 43.18    | 1.700 | 46.23    | 1.820 |
| 19           | 45.72    | 1.800 | 48.77    | 1.920 |
| 20           | 48.26    | 1.900 | 51.31    | 2.020 |
| 21           | 50.80    | 2.000 | 53.85    | 2.120 |
| 22           | 53.34    | 2.100 | 56.39    | 2.220 |
| 23           | 55.88    | 2.200 | 58.93    | 2.320 |
| 24           | 58.42    | 2.300 | 61.47    | 2.420 |
| 25           | 60.96    | 2.400 | 64.01    | 2.520 |

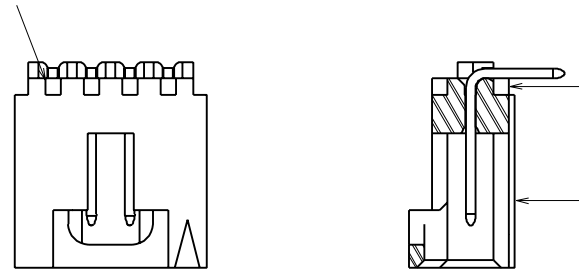


### NOTES:

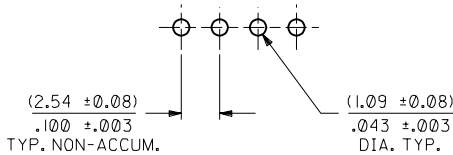
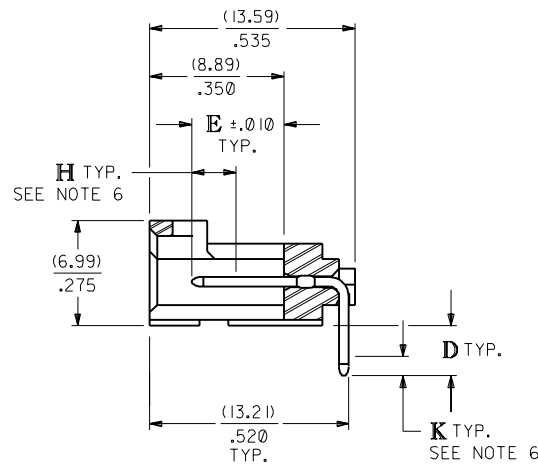
1. HEADER MATERIAL: GLASS FILLED POLYESTER;  
UL94V-0; COLOR: BLACK  
PIN MATERIAL: PHOSPHOR BRONZE
2. HEADER TO BE USED WITH OPTION "G" 70400 AND 70430  
SERIES SL CONNECTORS.
3. REFER TO MOLEX PRODUCT SPECIFICATION PS-70541.
4. STANDARD PACKAGING IN TUBES PER PK-70873-0015 OR  
OPTIONAL PACKAGING IN BAGS PER PK-70873-0535.  
OPTIONAL PACK NOT AVAILABLE FOR ALL CKT. SIZES.
5. DIMENSIONS WITHOUT TOLERANCE ARE SHOWN FOR  
REFERENCE ONLY.
6. MEASURE POINT FOR PLATING THICKNESS.

### PLATING PER ES-88:

- 164 - .000150 MIN. TIN/LEAD PLATE  
OVER .000050 MIN. NICKEL PLATE.
- 571 - .000015 MIN. GOLD PLATE IN SELECT AREA,  
.000075 MIN. TIN/LEAD PLATE IN SELECT AREA,  
OVER .000050 MIN. NICKEL PLATE OVERALL.
- 574 - .000030 MIN. GOLD PLATE IN SELECT AREA,  
.000075 MIN. TIN/LEAD PLATE IN SELECT AREA,  
OVER .000050 MIN. NICKEL PLATE OVERALL.

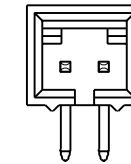


### ALTERNATIVE CORING MANUFACTURER'S OPTION

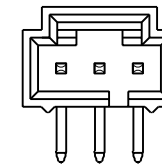


### RECOMMENDED PC BOARD LAYOUT

(FOR USE WITH (1.57)/.062 THICK BOARD)



### 2 CIRCUIT



### 3 CIRCUIT

|             |  |                                                                               |  |                                                                                            |  |                                                         |  |                                                                                                                           |  |
|-------------|--|-------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|---------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|--|
| D           |  | REVISED<br>PER ECN * U70874<br>SCARTH 97/02/04                                |  | DIMENSIONS SHOWN (METRIC) INCH<br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES: ANGULAR ± 1/2° |  | ▽ = 0 ▼ = 0                                             |  | REVISE ONLY ON CAD SYSTEM                                                                                                 |  |
| F           |  | ADDED TOLERANCES<br>PER UDT2001-0723<br>JR WILLIAMS 01/04/24                  |  | INCH<br>5 PLACE ± .005<br>2 PLACE ± .01 ± 0.13<br>1 PLACE ± 0.25                           |  | METRIC                                                  |  | TITLE<br>SALES ASSY, SL RIGHT ANGLE<br>HEADER W/LATCH & NO PEGS<br>(2.54)/.100 CENTERS                                    |  |
| E           |  | MODIFIED HOUSING<br>MATERIAL CALLOUT<br>ECN* UDT1999-0869<br>DMORGAN 99/04/26 |  | C1<br>ADDED -6002<br>PER ECN * U70494<br>SCARTH 96/10/29                                   |  | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS |  | SHEET NO. 1 OF 3                                                                                                          |  |
| LTR.        |  | REVISIONS                                                                     |  | LTR.                                                                                       |  | REVISIONS                                               |  | DATE 05/13/93                                                                                                             |  |
| AAB         |  | WAZ                                                                           |  | AAB                                                                                        |  | WAZ                                                     |  | PART NO. SEE SHT 28.3                                                                                                     |  |
| BY          |  | BY                                                                            |  | BY                                                                                         |  | BY                                                      |  | FILE NAME S70553X1                                                                                                        |  |
| SCALE 4 : 1 |  | SCALE 4 : 1                                                                   |  | SCALE 4 : 1                                                                                |  | SCALE 4 : 1                                             |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO<br>MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |  |
| DA          |  | C                                                                             |  | DA                                                                                         |  | C                                                       |  | DIV. SIZE                                                                                                                 |  |

| 13                                                                               |                                  | 12                               |                         | 11         |                         | 10         |                         | 9           |                         | 8                         |                         | 7          |                        | 6          |                                             | 70553                                                   |                       | 4             |                                                                                                                          | 3                                                                             |      | 2    |  | 1 |  |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|-------------------------|------------|-------------------------|------------|-------------------------|-------------|-------------------------|---------------------------|-------------------------|------------|------------------------|------------|---------------------------------------------|---------------------------------------------------------|-----------------------|---------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------|------|--|---|--|
| CIRCUIT<br>SIZE                                                                  | ENGINEERING<br>NUMBER<br>A-70553 | MANUFACTURE<br>RELEASE<br>STATUS |                         |            |                         |            | D<br>REF.               | E<br>± .010 |                         | PLATE<br>PER<br>ES-<br>88 | CONNECTOR END PLATING   |            | P.C. BOARD END PLATING |            | SEE PACK<br>INFORMA.<br>DRAWING<br>PK-70873 |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
|                                                                                  |                                  |                                  |                         |            |                         |            |                         |             |                         |                           | TYPE                    | H<br>MEAS. | TYPE                   | K<br>MEAS. |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 2-10                                                                             | -0001-0009                       | R.F.M.                           |                         |            |                         |            | (3.30)                  | (6.10)      |                         | 571                       | GOLD                    | (2.54)     |                        | TIN/LEAD   | (1.27)                                      | -0015<br>(TUBES)                                        |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 11-25                                                                            | -0010-0024                       | R.F.M.                           |                         |            |                         |            | .130                    | .240        |                         |                           |                         |            |                        |            | .050                                        |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 2-10                                                                             | -0036-0044                       | R.F.M.                           |                         |            |                         |            | (3.30)                  | (6.10)      |                         | 164                       | TIN/LEAD                | (2.54)     |                        | TIN/LEAD   | (1.27)                                      | -0015<br>(TUBES)                                        |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 11-25                                                                            | -0045-0059                       | R.F.M.                           |                         |            |                         |            | .130                    | .240        |                         |                           |                         |            |                        |            | .050                                        |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 2-10                                                                             | -0071-0079                       |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 11-25                                                                            | -0080-0094                       |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 2-10                                                                             | -0106-0114                       | R.F.M.                           |                         |            |                         |            | (3.30)                  | (6.10)      |                         | 574                       | GOLD                    | (2.54)     |                        | TIN/LEAD   | (1.27)                                      | -0015<br>(TUBES)                                        |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 11-25                                                                            | -0115-0129                       | R.F.M.                           |                         |            |                         |            | .130                    | .240        |                         |                           |                         |            |                        |            | .050                                        |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 2-10                                                                             | -0141-0149                       | R.F.M.                           |                         |            |                         |            | (2.67)                  | (6.10)      |                         | 571                       | GOLD                    | (2.54)     |                        | TIN/LEAD   | (1.27)                                      | -0015<br>(TUBES)                                        |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 11-25                                                                            | -0150-0164                       | R.F.M.                           |                         |            |                         |            | .105                    | .240        |                         |                           |                         |            |                        |            | .050                                        |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 2-10                                                                             |                                  |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 11-25                                                                            |                                  |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
|                                                                                  |                                  |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| CIRCUIT<br>SIZE                                                                  | ASSEMBLY<br>ITEM NUMBER          |                                  | ASSEMBLY<br>ITEM NUMBER |            | ASSEMBLY<br>ITEM NUMBER |            | ASSEMBLY<br>ITEM NUMBER |             | ASSEMBLY<br>ITEM NUMBER |                           | ASSEMBLY<br>ITEM NUMBER |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 2                                                                                |                                  | 70553-0001                       |                         | 70553-0036 | X                       | 70553-0071 |                         | 70553-0106  |                         | 70553-0141                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 3                                                                                |                                  | 70553-0002                       |                         | 70553-0037 | X                       | 70553-0072 |                         | 70553-0107  |                         | 70553-0142                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 4                                                                                |                                  | 70553-0003                       |                         | 70553-0038 | X                       | 70553-0073 |                         | 70553-0108  |                         | 70553-0143                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 5                                                                                |                                  | 70553-0004                       |                         | 70553-0039 | X                       | 70553-0074 |                         | 70553-0109  |                         | 70553-0144                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 6                                                                                |                                  | 70553-0005                       |                         | 70553-0040 | X                       | 70553-0075 |                         | 70553-0110  |                         | 70553-0145                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 7                                                                                |                                  | 70553-0006                       |                         | 70553-0041 | X                       | 70553-0076 |                         | 70553-0111  |                         | 70553-0146                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 8                                                                                |                                  | 70553-0007                       |                         | 70553-0042 | X                       | 70553-0077 |                         | 70553-0112  |                         | 70553-0147                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 9                                                                                |                                  | 70553-0008                       |                         | 70553-0043 | X                       | 70553-0078 |                         | 70553-0113  |                         | 70553-0148                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 10                                                                               |                                  | 70553-0009                       |                         | 70553-0044 | X                       | 70553-0079 |                         | 70553-0114  |                         | 70553-0149                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 11                                                                               |                                  | 70553-0010                       |                         | 70553-0045 | X                       | 70553-0080 |                         | 70553-0115  |                         | 70553-0150                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 12                                                                               |                                  | 70553-0011                       |                         | 70553-0046 | X                       | 70553-0081 |                         | 70553-0116  |                         | 70553-0151                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 13                                                                               |                                  | 70553-0012                       |                         | 70553-0047 | X                       | 70553-0082 |                         | 70553-0117  |                         | 70553-0152                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 14                                                                               |                                  | 70553-0013                       |                         | 70553-0048 | X                       | 70553-0083 |                         | 70553-0118  |                         | 70553-0153                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 15                                                                               |                                  | 70553-0014                       |                         | 70553-0049 | X                       | 70553-0084 |                         | 70553-0119  |                         | 70553-0154                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 16                                                                               |                                  | 70553-0015                       |                         | 70553-0050 | X                       | 70553-0085 |                         | 70553-0120  |                         | 70553-0155                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 17                                                                               |                                  | 70553-0016                       |                         | 70553-0051 | X                       | 70553-0086 |                         | 70553-0121  |                         | 70553-0156                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 18                                                                               |                                  | 70553-0017                       |                         | 70553-0052 | X                       | 70553-0087 |                         | 70553-0122  |                         | 70553-0157                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 19                                                                               |                                  | 70553-0018                       |                         | 70553-0053 | X                       | 70553-0088 |                         | 70553-0123  |                         | 70553-0158                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 20                                                                               |                                  | 70553-0019                       |                         | 70553-0054 | X                       | 70553-0089 |                         | 70553-0124  |                         | 70553-0159                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 21                                                                               |                                  | 70553-0020                       |                         | 70553-0055 | X                       | 70553-0090 |                         | 70553-0125  |                         | 70553-0160                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 22                                                                               |                                  | 70553-0021                       |                         | 70553-0056 | X                       | 70553-0091 |                         | 70553-0126  |                         | 70553-0161                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 23                                                                               |                                  | 70553-0022                       |                         | 70553-0057 | X                       | 70553-0092 |                         | 70553-0127  |                         | 70553-0162                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 24                                                                               |                                  | 70553-0023                       |                         | 70553-0058 | X                       | 70553-0093 |                         | 70553-0128  |                         | 70553-0163                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| 25                                                                               |                                  | 70553-0024                       |                         | 70553-0059 | X                       | 70553-0094 |                         | 70553-0129  |                         | 70553-0164                |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
| *X* IN COLUMN UNDER *ASSEMBLY ITEM NUMBER *HEADING DENOTES TOOLING NOT AVAILABLE |                                  |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             |                                                         |                       |               |                                                                                                                          |                                                                               |      |      |  |   |  |
|                                                                                  |                                  |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             | DIMENSIONS SHOWN (METRIC) INCH                          |                       | ▽ = 0 ▼ = 0   |                                                                                                                          | REVISE ONLY ON CAD SYSTEM                                                     |      |      |  |   |  |
|                                                                                  |                                  |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             | UNLESS OTHERWISE SPECIFIED<br>TOLERANCES ANGULAR ± 1/2° |                       | TITLE         |                                                                                                                          | SALES ASSY, SL RIGHT ANGLE<br>HEADER W/LATCH & NO PEGS<br>(2.54)/.100 CENTERS |      |      |  |   |  |
|                                                                                  |                                  |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             | INCH METRIC                                             |                       | SHEET NO.     |                                                                                                                          | DATE                                                                          |      |      |  |   |  |
|                                                                                  |                                  |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             | 3 PLACE ± .005                                          |                       | 2 PLACE ± .01 |                                                                                                                          | 1 PLACE ± 0.13                                                                |      |      |  |   |  |
|                                                                                  |                                  |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS |                       | DRAWING NO.   |                                                                                                                          | DIV.                                                                          |      | SIZE |  |   |  |
|                                                                                  |                                  |                                  |                         |            |                         |            |                         |             |                         |                           |                         |            |                        |            |                                             | DRAWN BY AAB                                            |                       | CHK'D BY AAB  |                                                                                                                          | SCALE                                                                         |      |      |  |   |  |
|                                                                                  |                                  |                                  |                         |            |                         |            |                         |             |                         |                           | LTR.                    | REVISIONS  |                        | LTR.       | REVISIONS                                   |                                                         | FILE NAME<br>ST0553X2 |               | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO<br>MOLEX INC. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                               | DA C |      |  |   |  |
| 13                                                                               |                                  | 12                               |                         | 11         |                         | 10         |                         | 9           |                         | 8                         |                         | 7          |                        | 6          |                                             | 5                                                       |                       | 4             |                                                                                                                          | 3                                                                             |      | 2    |  | 1 |  |