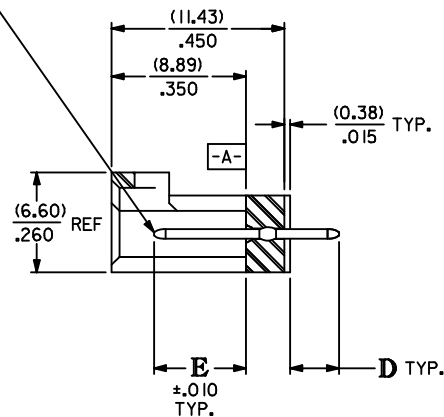
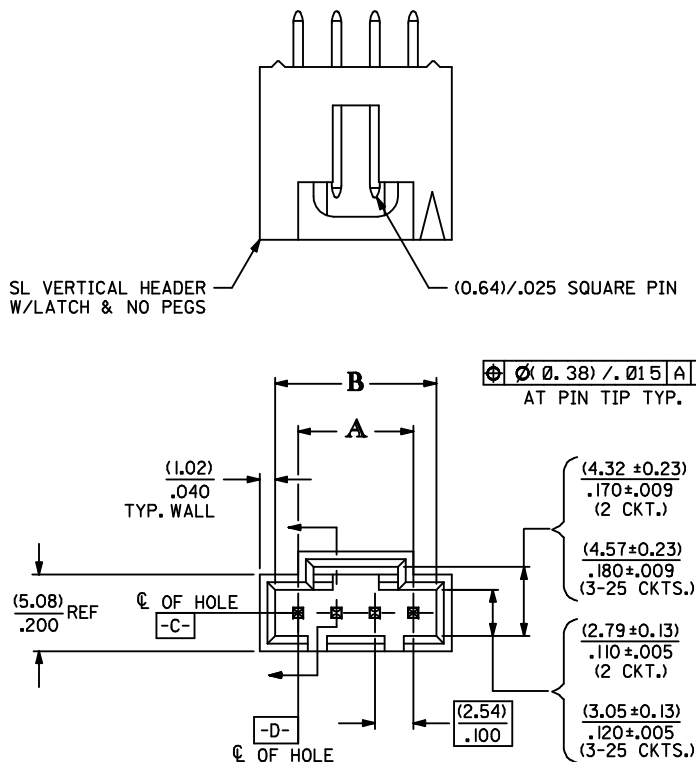
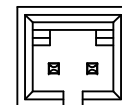
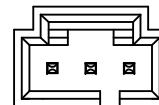


## ALTERNATIVE CORING MANUFACTURER'S OPTION

| 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 |



## 2 CIRCUIT



## 3 CIRCUIT

### NOTES:

- HEADER MATERIAL: GLASS FILL POLYESTER;  
UL 94V-0, COLOR: BLACK
- PIN MATERIAL: PHOSPHOR BRONZE
- FINISHES:  
BRIGHT TIN - 3.81 MICROMETERS/150 MICROINCHES MINIMUM BRIGHT TIN PLATE OVER NICKEL UNDERPLATE OVERALL  
MATTE TIN - 3.81 MICROMETERS/150 MICROINCHES MINIMUM MATTE TIN PLATE OVER NICKEL UNDERPLATE OVERALL  
15 GOLD - 0.38 MICROMETERS/15 MICROINCHES MINIMUM GOLD PLATE IN MATE AREA  
1.91 MICROMETERS/75 MICROINCHES MINIMUM MATTE TIN PLATE IN PC TAIL AREA OVER NICKEL UNDERPLATE OVERALL  
30 GOLD - 0.76 MICROMETERS/30 MICROINCHES MINIMUM GOLD PLATE IN MATE AREA  
1.91 MICROMETERS/75 MICROINCHES MINIMUM MATTE TIN PLATE IN PC TAIL AREA OVER NICKEL UNDERPLATE OVERALL

- REFER TO MOLEX PRODUCT SPECIFICATION PS-70541
- PACKAGING SPECIFICATION: SEE CHARTS
- HEADER TO BE USED WITH OPTION "G" 70400 AND 70430 SERIES SL CONNECTORS
- PARTS CONFORM TO CLASS B REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

## RECOMMENDED PC BOARD LAYOUT

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

|                                                                                             |                                                       |                                          |                                                            |  |  |                                                                                                                                  |                    |                                                                                     |                      |                        |  |  |  |  |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------|------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|----------------------|------------------------|--|--|--|--|
| ADD 74053-0338<br>EC NO: UCP2016-3086<br>DRWN:KIPPER<br>CHKD:JFOX<br>APPR:FSM TH<br>REV: M1 | DESCRIPTION<br>2016/02/04<br>2012/02/04<br>2016/03/10 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  |  | DIMENSION STYLE<br>MM/IN                                                                                                         |                    | SCALE<br>4:1                                                                        | DESIGN UNITS<br>INCH | THIRD ANGLE PROJECTION |  |  |  |  |
|                                                                                             |                                                       |                                          |                                                            |  |  | DRAWN BY<br>AAB                                                                                                                  | DATE<br>1987/09/22 | TITLE<br>SALES ASSY, SL VERTICAL<br>HEADER W/LATCH & NO PEGS<br>(2.54)/.100 CENTERS |                      |                        |  |  |  |  |
|                                                                                             |                                                       |                                          | 4 PLACES ± --- ± ---                                       |  |  | CHECKED BY<br>MJM                                                                                                                |                    | DATE<br>1987/09/22                                                                  |                      | molex                  |  |  |  |  |
|                                                                                             |                                                       |                                          | 3 PLACES ± --- ± .005                                      |  |  | APPROVED BY<br>WAZ                                                                                                               |                    | DATE<br>1987/09/22                                                                  |                      |                        |  |  |  |  |
|                                                                                             |                                                       |                                          | 2 PLACES ± 0.13 ± .010                                     |  |  |                                                                                                                                  |                    |                                                                                     |                      |                        |  |  |  |  |
|                                                                                             |                                                       |                                          | 1 PLACE ± 0.25 ± ---                                       |  |  |                                                                                                                                  |                    |                                                                                     |                      |                        |  |  |  |  |
|                                                                                             |                                                       |                                          | 0 PLACE ± --- ± ---                                        |  |  | MATERIAL NO.                                                                                                                     |                    | DOCUMENT NO.                                                                        |                      | SHEET NO.              |  |  |  |  |
|                                                                                             |                                                       |                                          | ANGULAR ± 1/2°                                             |  |  | SEE TABLE                                                                                                                        |                    | SDA-70543-****                                                                      |                      | 1 OF 4                 |  |  |  |  |
|                                                                                             |                                                       |                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                    |                                                                                     |                      |                        |  |  |  |  |



|   |    |    |    |    |   |   |   |   |   |   |   |   |   |   |
|---|----|----|----|----|---|---|---|---|---|---|---|---|---|---|
|   | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |   |
| J |    |    |    |    |   |   |   |   |   |   |   |   |   | J |
| I |    |    |    |    |   |   |   |   |   |   |   |   |   | I |
| H |    |    |    |    |   |   |   |   |   |   |   |   |   | H |
| G |    |    |    |    |   |   |   |   |   |   |   |   |   | G |
| F |    |    |    |    |   |   |   |   |   |   |   |   |   | F |
| E |    |    |    |    |   |   |   |   |   |   |   |   |   | E |
| D |    |    |    |    |   |   |   |   |   |   |   |   |   | D |
| C |    |    |    |    |   |   |   |   |   |   |   |   |   | C |
| B |    |    |    |    |   |   |   |   |   |   |   |   |   | B |
| A |    |    |    |    |   |   |   |   |   |   |   |   |   | A |

|              |                             |                |                 |                    |                     |                                     |
|--------------|-----------------------------|----------------|-----------------|--------------------|---------------------|-------------------------------------|
| CIRCUIT SIZE | ENGINEERING NUMBER<br>70543 | D REF          | E<br>±0.25/.010 | MATING AREA FINISH | PC TAIL AREA FINISH | PACKAGING:                          |
| 2-25         | -0248-0271                  | (4.06)<br>.160 | (6.10)<br>.240  | BRIGHT TIN         | BRIGHT TIN          | PK-70873-0014<br>(TUBE W/O P&P CAP) |
| 2-25         | -0272-0295                  | (4.06)<br>.160 | (6.10)<br>.240  | 15 GOLD            | MATTE TIN           | PK-70873-0014<br>(TUBE W/O P&P CAP) |
| 2-25         | -0296-0319                  | (4.06)<br>.160 | (6.10)<br>.240  | 30 GOLD            | MATTE TIN           | PK-70873-0014<br>(TUBE W/O P&P CAP) |
| 2-25         | -4036-4059                  | (3.30)<br>.130 | (6.10)<br>.240  | MATTE TIN          | MATTE TIN           | PK-70873-0014<br>(TUBE W/O P&P CAP) |
|              |                             |                |                 |                    |                     |                                     |
|              |                             |                |                 |                    |                     |                                     |

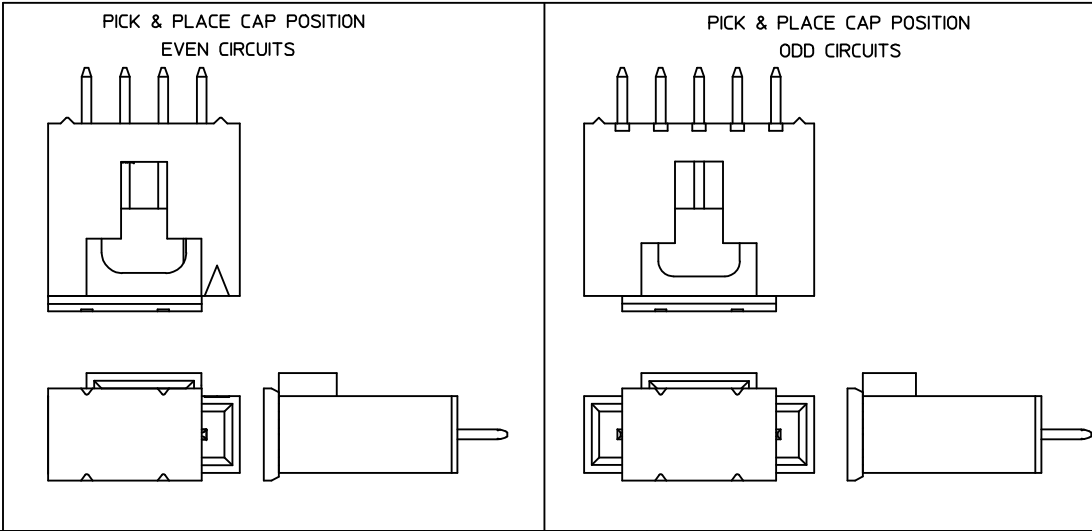
|              |             |             |             |             |             |             |             |
|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| CIRCUIT SIZE | ITEM NUMBER | ITEM NUMBER | ITEM NUMBER | ITEM NUMBER | ITEM NUMBER | ITEM NUMBER | ITEM NUMBER |
| 2            | 70543-0248  | 70543-0272  | 70543-0296  | 70543-4036  |             |             |             |
| 3            | 70543-0249  | 70543-0273  | 70543-0297  | 70543-4037  |             |             |             |
| 4            | 70543-0250  | 70543-0274  | 70543-0298  | 70543-4038  |             |             |             |
| 5            | 70543-0251  | 70543-0275  | 70543-0299  | 70543-4039  |             |             |             |
| 6            | 70543-0252  | 70543-0276  | 70543-0300  | 70543-4040  |             |             |             |
| 7            | 70543-0253  | 70543-0277  | 70543-0301  | 70543-4041  |             |             |             |
| 8            | 70543-0254  | 70543-0278  | 70543-0302  | 70543-4042  |             |             |             |
| 9            | 70543-0255  | 70543-0279  | 70543-0303  | 70543-4043  |             |             |             |
| 10           | 70543-0256  | 70543-0280  | 70543-0304  | 70543-4044  |             |             |             |
| 11           | 70543-0257  | 70543-0281  | 70543-0305  | 70543-4045  |             |             |             |
| 12           | 70543-0258  | 70543-0282  | 70543-0306  | 70543-4046  |             |             |             |
| 13           | 70543-0259  | 70543-0283  | 70543-0307  | 70543-4047  |             |             |             |
| 14           | 70543-0260  | 70543-0284  | 70543-0308  | 70543-4048  |             |             |             |
| 15           | 70543-0261  | 70543-0285  | 70543-0309  | 70543-4049  |             |             |             |
| 16           | 70543-0262  | 70543-0286  | 70543-0310  | 70543-4050  |             |             |             |
| 17           | 70543-0263  | 70543-0287  | 70543-0311  | 70543-4051  |             |             |             |
| 18           | 70543-0264  | 70543-0288  | 70543-0312  | 70543-4052  |             |             |             |
| 19           | 70543-0265  | 70543-0289  | 70543-0313  | 70543-4053  |             |             |             |
| 20           | 70543-0266  | 70543-0290  | 70543-0314  | 70543-4054  |             |             |             |
| 21           | 70543-0267  | 70543-0291  | 70543-0315  | 70543-4055  |             |             |             |
| 22           | 70543-0268  | 70543-0292  | 70543-0316  | 70543-4056  |             |             |             |
| 23           | 70543-0269  | 70543-0293  | 70543-0317  | 70543-4057  |             |             |             |
| 24           | 70543-0270  | 70543-0294  | 70543-0318  | 70543-4058  |             |             |             |
| 25           | 70543-0271  | 70543-0295  | 70543-0319  | 70543-4059  |             |             |             |

|                                                                                                                    |                 |                                          |                                                        |        |                          |                                                                                                                                      |                     |                                                                                     |                        |  |  |  |
|--------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------|--------------------------------------------------------|--------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------|------------------------|--|--|--|
| SEE SHEET 1<br>EC NO: UCP2016-3086<br>DRAWN/KIPPER 2016/02/04<br>CHKD./JFOX 2012/02/04<br>APPR./FSM/LTH 2016/03/10 | REV DESCRIPTION | QUALITY SYMBOLS<br><br>▽=O<br>▽=O<br>▽=O | GENERAL TOLERANCES (UNLESS SPECIFIED)                  |        | DIMENSION STYLE<br>MM/IN |                                                                                                                                      | SCALE<br>1:1        | DESIGN UNITS<br>INCH                                                                | THIRD ANGLE PROJECTION |  |  |  |
|                                                                                                                    |                 |                                          | 4 PLACES<br>3 PLACES<br>2 PLACES<br>1 PLACE<br>0 PLACE | mm     | INCH                     | DRAWN BY<br>AAB                                                                                                                      | DATE<br>1987/09/22  | TITLE<br>SALES ASSY, SL VERTICAL<br>HEADER W/LATCH & NO PEGS<br>(2.54)/.100 CENTERS |                        |  |  |  |
|                                                                                                                    |                 |                                          |                                                        | ± .--- | ± .---                   | CHECKED BY<br>MJM                                                                                                                    | DATE<br>1987/09/22  | <b>molex</b>                                                                        |                        |  |  |  |
|                                                                                                                    |                 |                                          |                                                        | ± 0.13 | ± .010                   | APPROVED BY<br>WAZ                                                                                                                   | DATE<br>1987/09/22  |                                                                                     |                        |  |  |  |
|                                                                                                                    |                 |                                          |                                                        | ± 0.25 | ± .---                   | MATERIAL NO.<br>SDA-70543-****                                                                                                       | SHEET NO.<br>3 OF 4 |                                                                                     |                        |  |  |  |
|                                                                                                                    |                 |                                          |                                                        | ± .--- | ± .---                   | DOCUMENT NO.                                                                                                                         |                     |                                                                                     |                        |  |  |  |
|                                                                                                                    |                 |                                          | ANGULAR ±1/2°                                          |        |                          | SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                     |                                                                                     |                        |  |  |  |
|                                                                                                                    |                 |                                          | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |        |                          |                                                                                                                                      |                     |                                                                                     |                        |  |  |  |
|                                                                                                                    |                 |                                          |                                                        |        |                          |                                                                                                                                      |                     |                                                                                     |                        |  |  |  |
|                                                                                                                    |                 |                                          |                                                        |        |                          |                                                                                                                                      |                     |                                                                                     |                        |  |  |  |
|                                                                                                                    |                 |                                          |                                                        |        |                          |                                                                                                                                      |                     |                                                                                     |                        |  |  |  |

|                                     |    |    |    |   |   |   |   |   |   |   |   |   |  |
|-------------------------------------|----|----|----|---|---|---|---|---|---|---|---|---|--|
| 1b_frame_C_P_AM_T Rev. G 2012/01/11 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |  |
|-------------------------------------|----|----|----|---|---|---|---|---|---|---|---|---|--|

|              |                             |                |                 |                       |                        |                                     |
|--------------|-----------------------------|----------------|-----------------|-----------------------|------------------------|-------------------------------------|
| CIRCUIT SIZE | ENGINEERING NUMBER<br>70543 | D REF          | E<br>±0.25/.010 | MATING AREA<br>FINISH | PC TAIL AREA<br>FINISH | PACKAGING:                          |
| 3-25         | -0337-0359                  | (3.30)<br>.130 | (6.10)<br>.240  | BRIGHT TIN            | BRIGHT TIN             | 705430001-PK<br>(TUBE WITH P&P CAP) |
|              |                             |                |                 |                       |                        |                                     |
|              |                             |                |                 |                       |                        |                                     |

| CIRCUIT SIZE | ITEM NUMBER | ITEM NUMBER | ITEM NUMBER |
|--------------|-------------|-------------|-------------|
| 3            |             |             |             |
| 4            | 70543-0338  |             |             |
| 5            |             |             |             |
| 6            |             |             |             |
| 7            |             |             |             |
| 8            |             |             |             |
| 9            |             |             |             |
| 10           |             |             |             |
| 11           |             |             |             |
| 12           |             |             |             |
| 13           |             |             |             |
| 14           |             |             |             |
| 15           |             |             |             |
| 16           |             |             |             |
| 17           |             |             |             |
| 18           |             |             |             |
| 19           |             |             |             |
| 20           |             |             |             |
| 21           |             |             |             |
| 22           |             |             |             |
| 23           |             |             |             |
| 24           |             |             |             |
| 25           |             |             |             |



|                                                                                                                           |             |                                          |                                                            |        |                          |                           |                    |                                                                                                                                  |                                                                                                                 |                                |
|---------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------|------------------------------------------------------------|--------|--------------------------|---------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------|
| SEE SHEET 1<br>EC NO: UCP2016-3086<br>DRAWN:KIPPER 2016/02/04<br>CHKD:JDOX 2012/02/04<br>APPR:FSMITH 2016/03/10<br><br>M1 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |        | DIMENSION STYLE<br>MM/IN |                           | SCALE<br>4:1       | DESIGN UNITS<br>INCH                                                                                                             |  THIRD ANGLE<br>PROJECTION |                                |
|                                                                                                                           |             |                                          |                                                            | mm     | INCH                     | DRAWN BY<br>AAB           | DATE<br>1987/09/22 | TITLE<br>SALES ASSY, SL VERTICAL<br>HEADER W/LATCH & NO PEGS<br>(2.54)/.100 CENTERS<br><br><b>molex</b>                          |                                                                                                                 |                                |
|                                                                                                                           |             |                                          | 4 PLACES                                                   | ± ---  | ± ---                    | CHECKED BY<br>MJM         | DATE<br>1987/09/22 |                                                                                                                                  |                                                                                                                 |                                |
|                                                                                                                           |             |                                          | 3 PLACES                                                   | ± ---  | ±.005                    | APPROVED BY<br>WAZ        | DATE<br>1987/09/22 |                                                                                                                                  |                                                                                                                 |                                |
|                                                                                                                           |             |                                          | 2 PLACES                                                   | ± 0.13 | ±.010                    | MATERIAL NO.<br>SEE CHART |                    |                                                                                                                                  |                                                                                                                 |                                |
|                                                                                                                           |             |                                          | 1 PLACE                                                    | ± 0.25 | ± ---                    |                           |                    |                                                                                                                                  |                                                                                                                 | DOCUMENT NO.<br>SDA-70543-**** |
|                                                                                                                           |             |                                          | 0 PLACE                                                    | ± ---  | ± ---                    | SHEET NO.<br>4 OF 4       |                    |                                                                                                                                  |                                                                                                                 |                                |
|                                                                                                                           |             |                                          | ANGULAR ±1/2°                                              |        |                          | SIZE<br>C                 |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                                 |                                |
|                                                                                                                           |             |                                          | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        |                          |                           |                    |                                                                                                                                  |                                                                                                                 |                                |
|                                                                                                                           |             |                                          | REV                                                        |        |                          |                           |                    |                                                                                                                                  |                                                                                                                 |                                |