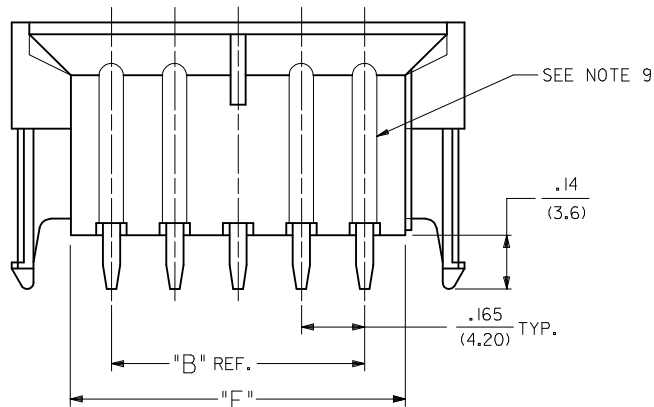
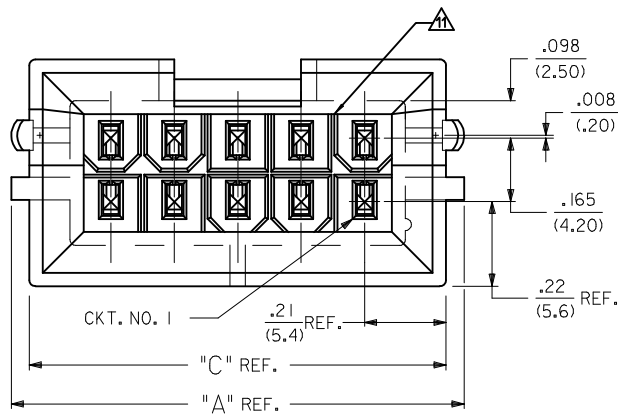
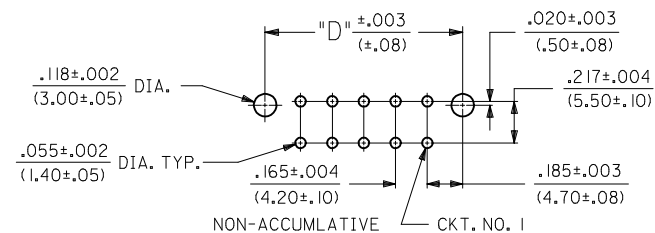


**LEGEND:**  
 A - 42440 - \*\*\*  
 BASE NUMBER  
 CIRCUIT SIZE (02-24)  
 PLATING (SEE NOTE 2.)  
 HOUSING MAT'L. & OPTIONS (SEE NOTE 1.)



RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD  
 (SCALE: 2X)

| CIRCUIT SIZE | DIM. "A"      | DIM. "B"    | DIM. "C"      | DIM. "D"      | DIM. "E"    |
|--------------|---------------|-------------|---------------|---------------|-------------|
| 2            | .520 (13.20)  | —           | .425 (10.80)  | .370 (9.40)   | .21 (5.4)   |
| 4            | .685 (17.40)  | .17 (4.2)   | .590 (15.00)  | .535 (13.60)  | .38 (9.6)   |
| 6            | .850 (21.60)  | .33 (8.4)   | .756 (19.20)  | .701 (17.80)  | .54 (13.8)  |
| 8            | 1.016 (25.80) | .50 (12.6)  | .921 (23.40)  | .866 (22.00)  | .71 (18.0)  |
| 10           | 1.181 (30.00) | .66 (16.8)  | 1.087 (27.60) | 1.031 (26.20) | .87 (22.2)  |
| 12           | 1.346 (34.20) | .83 (21.0)  | 1.252 (31.80) | 1.197 (30.40) | 1.04 (26.4) |
| 14           | 1.512 (38.40) | .99 (25.2)  | 1.417 (36.00) | 1.362 (34.60) | 1.20 (30.6) |
| 16           | 1.677 (42.60) | 1.16 (29.4) | 1.583 (40.20) | 1.528 (38.80) | 1.37 (34.8) |
| 18           | 1.843 (46.80) | 1.32 (33.6) | 1.748 (44.40) | 1.693 (43.00) | 1.54 (39.0) |
| 20           | 2.008 (51.00) | 1.49 (37.8) | 1.913 (48.60) | 1.858 (47.20) | 1.70 (43.2) |
| 22           | 2.173 (55.20) | 1.65 (42.0) | 2.079 (52.80) | 2.024 (51.40) | 1.87 (47.4) |
| 24           | 2.339 (59.40) | 1.82 (46.2) | 2.244 (57.00) | 2.189 (55.60) | 2.03 (51.6) |

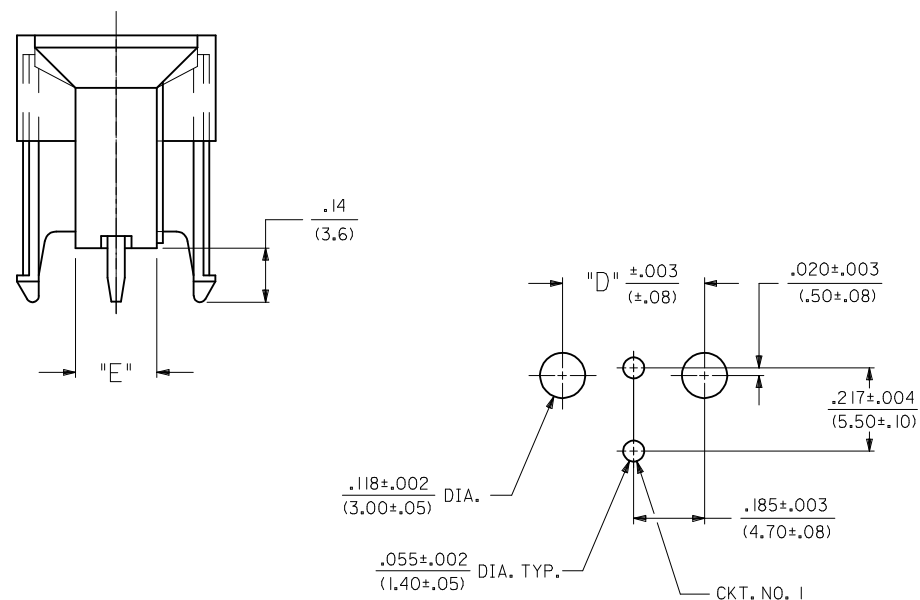
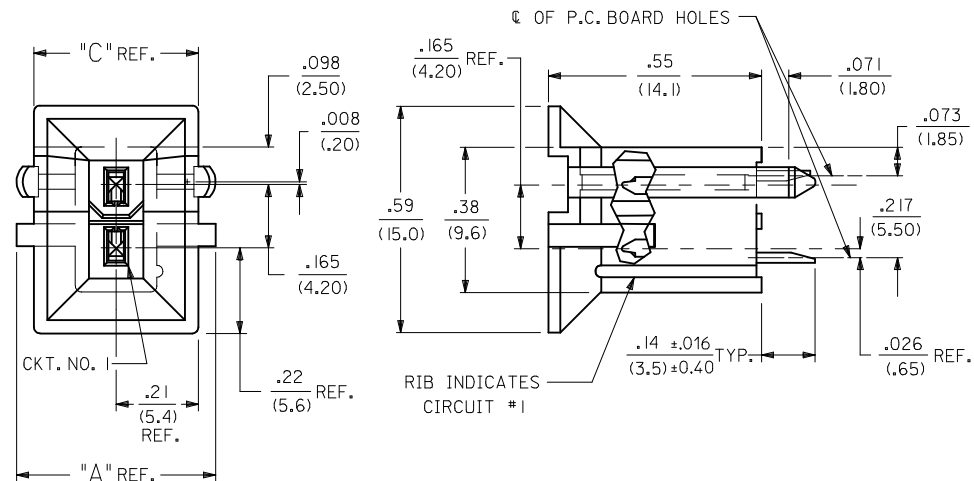
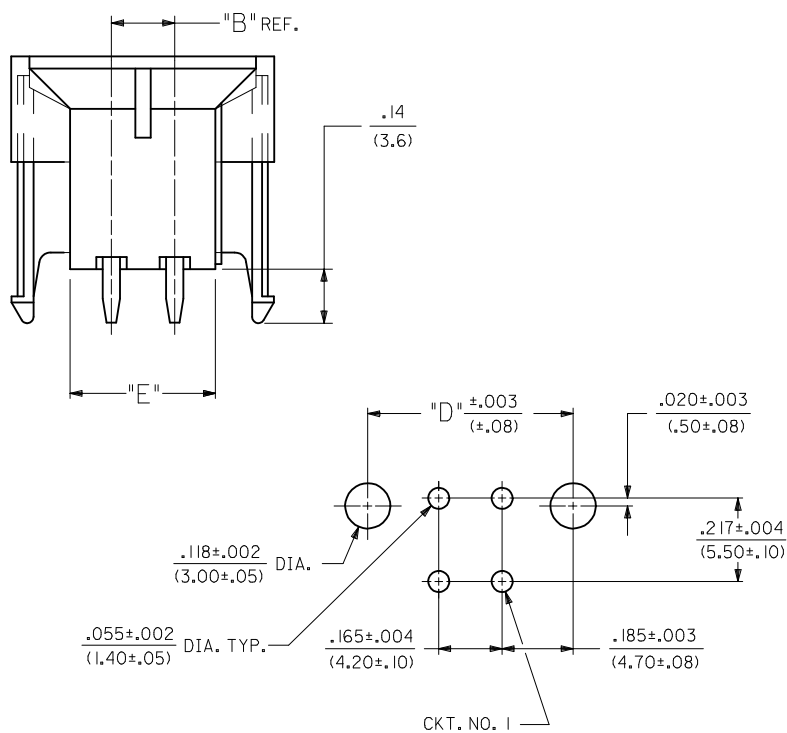
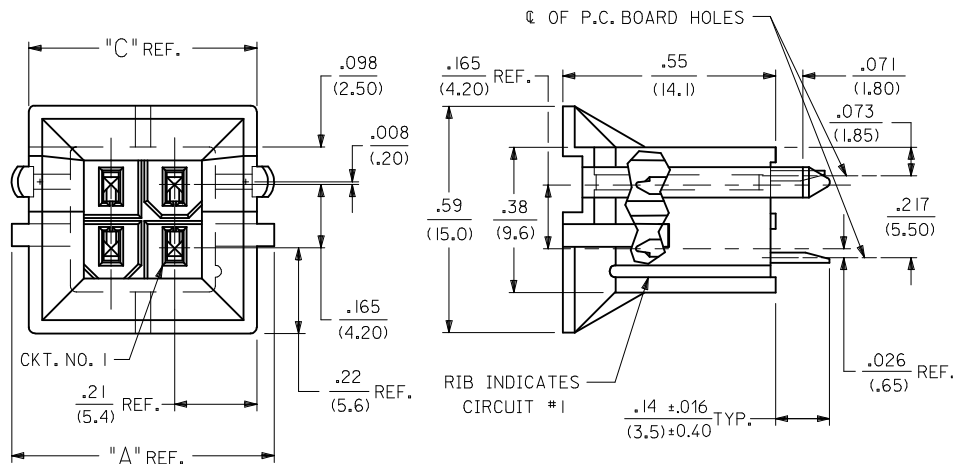
|                                   |                       |             |              |          |
|-----------------------------------|-----------------------|-------------|--------------|----------|
| ---22, ---23                      | 42474---21, 5556-GS*P | 94V-0       | BRASS        | GOLD     |
| ---12, ---13                      | 42474---11, 5556-GS*P | 94V-2       | BRASS        | TIN      |
| ---21                             | 42474---21, 5556-S*P  | 94V-0       | BRASS        | TIN      |
| ---11                             | 42474---11, 5556-S*P  | 94V-2       | BRASS        | TIN      |
| ---22, ---23, ---12, ---13, ---21 | A-42385---B2, ---B4   | 94V-0       | BRASS        | GOLD     |
| ---                               | A-42385---A2, ---A4   | 94V-2       | BRASS        | TIN      |
| ---                               | A-42385---B1          | 94V-0       | BRASS        | TIN      |
| ---                               | A-42385---A1          | 94V-2       | BRASS        | TIN      |
| VERT. HEADER A-42440              | MATING CONNECTOR      | HSG. MAT'L. | TERM. MAT'L. | PLATING  |
|                                   |                       | MATING      | CONNECTOR    | FEATURES |

|              |                     |                 |            |            |
|--------------|---------------------|-----------------|------------|------------|
| ADD 0.40 TOL | EC NO: UCP2013-0706 | 2012/08/20      | 2012/08/20 | 2012/09/05 |
| DRW:NGUYEN   | CHKD:JBELL          | 2012/08/20      | 2012/08/20 | 2012/09/05 |
| APPR:FSMITH  | 2012/09/05          |                 |            |            |
| REV          | DESCRIPTION         | QUALITY SYMBOLS |            |            |
| Q5           |                     |                 |            |            |

|                                       |        |
|---------------------------------------|--------|
| GENERAL TOLERANCES (UNLESS SPECIFIED) |        |
| 4 PLACES ± ---                        | ± ---  |
| 3 PLACES ± ---                        | ± .010 |
| 2 PLACES ± .025                       | ± .015 |
| 1 PLACE ± 0.38                        | ± ---  |
| ANGULAR ± 5 °                         |        |
| DRAFT WHERE APPLICABLE                |        |
| MUST REMAIN WITHIN DIMENSIONS         |        |

|                 |            |
|-----------------|------------|
| DIMENSION STYLE | IN/MM      |
| DRAWN BY        | DATE       |
| GEP             | 1989/04/06 |
| CHECKED BY      | DATE       |
| RJF             | 1989/04/06 |
| APPROVED BY     | DATE       |
| FSMITH          | 2011/02/11 |
| MATERIAL NO.    |            |
| SEE CHART       |            |
| SIZE            |            |

|                                                                                                                               |                |
|-------------------------------------------------------------------------------------------------------------------------------|----------------|
| SCALE                                                                                                                         | 4:1            |
| DESIGN UNITS                                                                                                                  | METRIC         |
| THIRD ANGLE PROJECTION                                                                                                        |                |
| MINI-FIT B.M.I. VERTICAL HEADER ASSY                                                                                          |                |
| MOLEX INCORPORATED                                                                                                            |                |
| DOCUMENT NO.                                                                                                                  | SDA-42440-**** |
| SHEET NO.                                                                                                                     | 1 OF 4         |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                |



RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD

|                                                                                                                                        |                                      |                                                                                                                                                           |                                                                                                                                                             |                                                                                |                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>SEE SHEET 1</b><br>EC NO: UCP2013-0706<br>2012/08/20<br>DRAWN: NGUYEN<br>2012/08/20<br>CHKD: J.BELL<br>2012/09/05<br>APPR: F.S.MITH | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .010<br>2 PLACES ± .025 ± .015<br>1 PLACE ± .038 ± ---<br>ANGULAR ± 5 ° | DIMENSION STYLE<br><b>IN/MM</b><br>DRAWN BY: GEP<br>DATE: 1989/04/06<br>CHECKED BY: R.J.F.<br>DATE: 1989/04/06<br>APPROVED BY: F.S.MITH<br>DATE: 2011/02/11 | SCALE<br><b>1:1</b><br>DESIGN UNITS<br><b>METRIC</b><br>THIRD ANGLE PROJECTION | <b>MINI-FIT B.M.I.<br/>VERTICAL HEADER ASSY</b><br><b>MOLEX INCORPORATED</b><br>SDA-42440-****<br>SHEET NO. 2 OF 4 |
|                                                                                                                                        |                                      |                                                                                                                                                           |                                                                                                                                                             |                                                                                |                                                                                                                    |
|                                                                                                                                        |                                      |                                                                                                                                                           |                                                                                                                                                             |                                                                                |                                                                                                                    |
|                                                                                                                                        |                                      |                                                                                                                                                           |                                                                                                                                                             |                                                                                |                                                                                                                    |

NOTES:

1) MATERIAL:

HOUSING MATERIAL:

1 = NYLON 6/6, UNFILLED UL 94V-2, COLOR: NATURAL

2 = NYLON 6/6, UNFILLED UL 94V-0, COLOR: NATURAL

TERMINALS: BRASS

2) TERMINAL PLATING:

S = .000100/(0.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL

GS = .000030/(0.00076) MIN. SELECT GOLD AND .000100/(0.00254) MIN.

SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

GS3 = .000050/(0.00127) MIN. SELECT GOLD AND .000100/(0.00254) MIN.

SELECT MATTE TIN OVER .000050/(0.00127) MIN. NICKEL OVERALL

3) PRODUCT SPECIFICATION: PS-5556-002

4) PACKAGING: SEE CHARTS

5) 6-24 CIRCUIT PARTS MATE WITH MINI-FIT JR. RECEPTACLES 5557, 42474, 44516 AND HEADERS 42385; 2 AND 4 CIRCUIT PARTS MATE WITH 42385,44516 AND 42474 ONLY.

6) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.

7) CONNECTOR IS NOT DESIGNED FOR CURRENT SHARING.

8) CONNECTOR ASSEMBLIES ARE NOT BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.

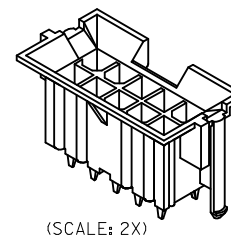
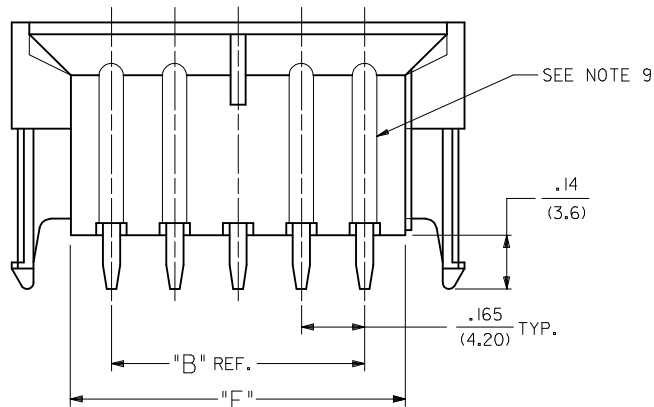
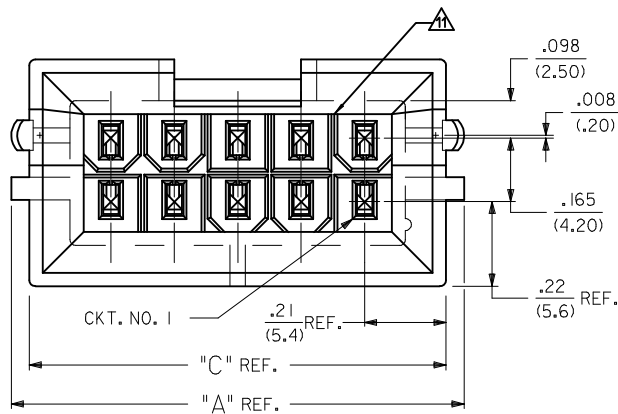
9) RIB LOCATION IS DETERMINED BY MOLD DESIGN FOR MANUFACTURING EASE AND THE LOCATION DOES NOT AFFECT PART FUNCTION OR PERFORMANCE. LOCATION OF RIBS MAY VARY ON PARTS WITHIN MAUFACTURING LOT OR SHIPMENT. THIS DRAWING SHOWS TYPICAL RIB LOCATIONS.

10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

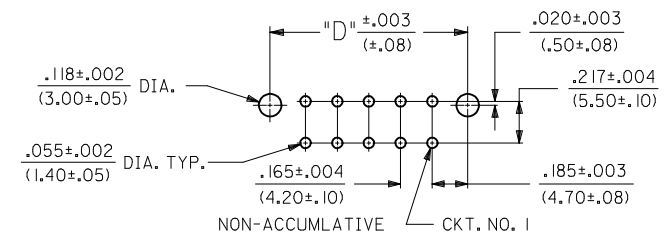
11) 12 CIRCUIT PARTS HAVE A SLOT BETWEEN CIRCUITS 7 AND 8.

|                                                                                                                           |                    |                                      |                                                            |        |                          |                    |                                                  |                        |                                                                                                                                  |                     |
|---------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------|------------------------------------------------------------|--------|--------------------------|--------------------|--------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------|
| SEE SHEET 1<br>EC NO: UCP2013-0706<br>2012/08/20<br>DRAWN:NGUYEN<br>CHKD:JBELL<br>2012/08/20<br>APPR:FSMITH<br>2012/09/05 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |        | DIMENSION STYLE<br>IN/MM |                    | SCALE<br>1:1                                     | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION                                                                                                           |                     |
|                                                                                                                           |                    |                                      | mm                                                         | INCH   | DRAWN BY<br>GEP          | DATE<br>1989/04/06 | TITLE<br>MINI-FIT B.M.I.<br>VERTICAL HEADER ASSY |                        |                                                                                                                                  |                     |
|                                                                                                                           |                    |                                      | 4 PLACES ± ---                                             | ± ---  | CHECKED BY<br>RJF        | DATE<br>1989/04/06 |                                                  |                        |                                                                                                                                  |                     |
|                                                                                                                           |                    |                                      | 3 PLACES ± ---                                             | ± .010 | APPROVED BY<br>FSMITH    |                    | DATE<br>2011/02/11                               | MOLEX INCORPORATED     |                                                                                                                                  | SHEET NO.<br>3 OF 4 |
| Q5                                                                                                                        |                    |                                      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |        | SEE CHART                |                    | DOCUMENT NO.<br>SDA-42440-****                   |                        | 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 | PLATING:   | TIN (SEE NOTE 2 OPTION 'S')                   |    |   |      | PLATING:   | TIN (SEE NOTE 2 OPTION 'S')                   |  |   |      | PLATING:   | 30 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS') |   |   |      | PLATING:   | 30 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS') |  |   |      |   |  |   |  |   |  |
|   | DRAINS:    | WITHOUT DRAIN HOLES                           |    |   |      | DRAINS:    | WITHOUT DRAIN HOLES                           |  |   |      | DRAINS:    | WITHOUT DRAIN HOLES                          |   |   |      | DRAINS:    | WITHOUT DRAIN HOLES                          |  |   |      |   |  |   |  |   |  |
|   | PEGS:      | WITH PEGS                                     |    |   |      | PEGS:      | WITH PEGS                                     |  |   |      | PEGS:      | WITH PEGS                                    |   |   |      | PEGS:      | WITH PEGS                                    |  |   |      |   |  |   |  |   |  |
|   | MAT'L:     | 94V-2 [NATURAL]                               |    |   |      | MAT'L:     | 94V-2 [NATURAL]                               |  |   |      | MAT'L:     | 94V-2 [NATURAL]                              |   |   |      | MAT'L:     | 94V-2 [NATURAL]                              |  |   |      |   |  |   |  |   |  |
|   | PACKAGING: | TRAY PER PK-42440-001                         |    |   |      | PACKAGING: | TRAY PER PK-42440-001                         |  |   |      | PACKAGING: | TRAY PER PK-42440-001                        |   |   |      | PACKAGING: | TRAY PER PK-42440-001                        |  |   |      |   |  |   |  |   |  |
| I | PART NO.   | ENG NO.                                       |    |   | CKTS | PART NO.   | ENG NO.                                       |  |   | CKTS | PART NO.   | ENG NO.                                      |   |   | CKTS | PART NO.   | ENG NO.                                      |  |   | CKTS |   |  |   |  |   |  |
|   | NO EDP     | A-42440-021I                                  |    | - | 2    | NO EDP     | A-42440-022I                                  |  | - | 2    | NO EDP     | A-42440-021I                                 |   | - | 2    | NO EDP     | A-42440-022I                                 |  | - | 2    |   |  |   |  |   |  |
|   | 15-24-604I | A-42440-041I                                  |    | - | 4    | 15-24-604I | A-42440-042I                                  |  | - | 4    | 15-24-604I | A-42440-041I                                 |   | - | 4    | 15-24-604I | A-42440-042I                                 |  | - | 4    |   |  |   |  |   |  |
|   | 15-24-606I | A-42440-061I                                  |    | - | 6    | 15-24-606I | A-42440-062I                                  |  | - | 6    | 15-24-606I | A-42440-061I                                 |   | - | 6    | 15-24-606I | A-42440-062I                                 |  | - | 6    |   |  |   |  |   |  |
|   | NO EDP     | A-42440-081I                                  |    | - | 8    | NO EDP     | A-42440-082I                                  |  | - | 8    | NO EDP     | A-42440-081I                                 |   | - | 8    | NO EDP     | A-42440-082I                                 |  | - | 8    |   |  |   |  |   |  |
| H | 15-24-610I | A-42440-101I                                  |    | - | 10   | 15-24-610I | A-42440-102I                                  |  | - | 10   | 15-24-610I | A-42440-101I                                 |   | - | 10   | 15-24-610I | A-42440-102I                                 |  | - | 10   |   |  |   |  |   |  |
|   | 15-24-612I | A-42440-121I                                  |    | - | 12   | 15-24-612I | A-42440-122I                                  |  | - | 12   | 15-24-612I | A-42440-121I                                 |   | - | 12   | 15-24-612I | A-42440-122I                                 |  | - | 12   |   |  |   |  |   |  |
|   | 15-24-614I | A-42440-141I                                  |    | - | 14   | 15-24-614I | A-42440-142I                                  |  | - | 14   | 15-24-614I | A-42440-141I                                 |   | - | 14   | 15-24-614I | A-42440-142I                                 |  | - | 14   |   |  |   |  |   |  |
|   | 15-24-616I | A-42440-161I                                  |    | - | 16   | 15-24-616I | A-42440-162I                                  |  | - | 16   | 15-24-616I | A-42440-161I                                 |   | - | 16   | 15-24-616I | A-42440-162I                                 |  | - | 16   |   |  |   |  |   |  |
|   | 15-24-618I | A-42440-181I                                  |    | - | 18   | 15-24-618I | A-42440-182I                                  |  | - | 18   | 15-24-618I | A-42440-181I                                 |   | - | 18   | 15-24-618I | A-42440-182I                                 |  | - | 18   |   |  |   |  |   |  |
| G | NO EDP     | A-42440-201I                                  |    | - | 20   | NO EDP     | A-42440-202I                                  |  | - | 20   | NO EDP     | A-42440-201I                                 |   | - | 20   | NO EDP     | A-42440-202I                                 |  | - | 20   |   |  |   |  |   |  |
|   | NO EDP     | A-42440-221I                                  |    | - | 22   | NO EDP     | A-42440-222I                                  |  | - | 22   | NO EDP     | A-42440-221I                                 |   | - | 22   | NO EDP     | A-42440-222I                                 |  | - | 22   |   |  |   |  |   |  |
|   | 15-24-624I | A-42440-241I                                  |    | - | 24   | 15-24-624I | A-42440-242I                                  |  | - | 24   | 15-24-624I | A-42440-241I                                 |   | - | 24   | 15-24-624I | A-42440-242I                                 |  | - | 24   |   |  |   |  |   |  |
|   |            | -                                             |    | - |      |            | -                                             |  | - |      |            | -                                            |   | - |      |            | -                                            |  | - |      |   |  |   |  |   |  |
|   |            | -                                             |    | - |      |            | -                                             |  | - |      |            | -                                            |   | - |      |            | -                                            |  | - |      |   |  |   |  |   |  |
| F | PLATING:   | 50 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS3') |    |   |      | PLATING:   | 50 M.I. SELECT GOLD (SEE NOTE 2 OPTION 'GS3') |  |   |      | PLATING:   |                                              |   |   |      | PLATING:   |                                              |  |   |      |   |  |   |  |   |  |
|   | DRAINS:    | WITHOUT DRAIN HOLES                           |    |   |      | DRAINS:    | WITHOUT DRAIN HOLES                           |  |   |      | DRAINS:    |                                              |   |   |      | DRAINS:    |                                              |  |   |      |   |  |   |  |   |  |
|   | PEGS:      | WITH PEGS                                     |    |   |      | PEGS:      | WITH PEGS                                     |  |   |      | PEGS:      |                                              |   |   |      | PEGS:      |                                              |  |   |      |   |  |   |  |   |  |
|   | MAT'L:     | 94V-2 [NATURAL]                               |    |   |      | MAT'L:     | 94V-2 [NATURAL]                               |  |   |      | MAT'L:     |                                              |   |   |      | MAT'L:     |                                              |  |   |      |   |  |   |  |   |  |
|   | PACKAGING: | TRAY PER PK-42440-001                         |    |   |      | PACKAGING: | TRAY PER PK-42440-001                         |  |   |      | PACKAGING: |                                              |   |   |      | PACKAGING: |                                              |  |   |      |   |  |   |  |   |  |
| E | PART NO.   | ENG NO.                                       |    |   | CKTS | PART NO.   | ENG NO.                                       |  |   | CKTS | PART NO.   | ENG NO.                                      |   |   | CKTS | PART NO.   | ENG NO.                                      |  |   | CKTS |   |  |   |  |   |  |
|   | NO EDP     | A-42440-0213                                  |    | - | 2    | NO EDP     | A-42440-0223                                  |  | - | 2    | NO EDP     | -                                            |   | - | 2    | NO EDP     | -                                            |  | - | 2    |   |  |   |  |   |  |
|   | NO EDP     | A-42440-0413                                  |    | - | 4    | NO EDP     | A-42440-0423                                  |  | - | 4    | NO EDP     | -                                            |   | - | 4    | NO EDP     | -                                            |  | - | 4    |   |  |   |  |   |  |
|   | NO EDP     | A-42440-0613                                  |    | - | 6    | NO EDP     | A-42440-0623                                  |  | - | 6    | NO EDP     | -                                            |   | - | 6    | NO EDP     | -                                            |  | - | 6    |   |  |   |  |   |  |
|   | NO EDP     | A-42440-0813                                  |    | - | 8    | NO EDP     | A-42440-0823                                  |  | - | 8    | NO EDP     | -                                            |   | - | 8    | NO EDP     | -                                            |  | - | 8    |   |  |   |  |   |  |
| D | NO EDP     | A-42440-1013                                  |    | - | 10   | NO EDP     | A-42440-1023                                  |  | - | 10   | NO EDP     | -                                            |   | - | 10   | NO EDP     | -                                            |  | - | 10   |   |  |   |  |   |  |
|   | NO EDP     | A-42440-1213                                  |    | - | 12   | NO EDP     | A-42440-1223                                  |  | - | 12   | NO EDP     | -                                            |   | - | 12   | NO EDP     | -                                            |  | - | 12   |   |  |   |  |   |  |
|   | NO EDP     | A-42440-1413                                  |    | - | 14   | NO EDP     | A-42440-1423                                  |  | - | 14   | NO EDP     | -                                            |   | - | 14   | NO EDP     | -                                            |  | - | 14   |   |  |   |  |   |  |
|   | NO EDP     | A-42440-1613                                  |    | - | 16   | NO EDP     | A-42440-1623                                  |  | - | 16   | NO EDP     | -                                            |   | - | 16   | NO EDP     | -                                            |  | - | 16   |   |  |   |  |   |  |
|   | NO EDP     | A-42440-1813                                  |    | - | 18   | NO EDP     | A-42440-1823                                  |  | - | 18   | NO EDP     | -                                            |   | - | 18   | NO EDP     | -                                            |  | - | 18   |   |  |   |  |   |  |
| C | NO EDP     | A-42440-2013                                  |    | - | 20   | NO EDP     | A-42440-2023                                  |  | - | 20   | NO EDP     | -                                            |   | - | 20   | NO EDP     | -                                            |  | - | 20   |   |  |   |  |   |  |
|   | NO EDP     | A-42440-2213                                  |    | - | 22   | NO EDP     | A-42440-2223                                  |  | - | 22   | NO EDP     | -                                            |   | - | 22   | NO EDP     | -                                            |  | - | 22   |   |  |   |  |   |  |
|   | NO EDP     | A-42440-2413                                  |    | - | 24   | NO EDP     | A-42440-2423                                  |  | - | 24   | NO EDP     | -                                            |   | - | 24   | NO EDP     | -                                            |  | - | 24   |   |  |   |  |   |  |
|   |            | -                                             |    | - |      |            | -                                             |  | - |      |            | -                                            |   | - |      |            | -                                            |  | - |      |   |  |   |  |   |  |
|   |            | -                                             |    | - |      |            | -                                             |  | - |      |            | -                                            |   | - |      |            | -                                            |  | - |      |   |  |   |  |   |  |
| B |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
| A |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |
|   |            |                                               |    |   |      |            |                                               |  |   |      |            |                                              |   |   |      |            |                                              |  |   |      |   |  |   |  |   |  |



LEGEND:  
A - 42440 - \*\*\*  
BASE NUMBER  
CIRCUIT SIZE (02-24)  
PLATING (SEE NOTE 2.)  
HOUSING MAT'L. & OPTIONS (SEE NOTE 1.)



RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD  
(SCALE: 2X)

| CIRCUIT SIZE | DIM. "A"      | DIM. "B"    | DIM. "C"      | DIM. "D"      | DIM. "E"    |
|--------------|---------------|-------------|---------------|---------------|-------------|
| 2            | .520 (13.20)  | —           | .425 (10.80)  | .370 (9.40)   | .21 (5.4)   |
| 4            | .685 (17.40)  | .17 (4.2)   | .590 (15.00)  | .535 (13.60)  | .38 (9.6)   |
| 6            | .850 (21.60)  | .33 (8.4)   | .756 (19.20)  | .701 (17.80)  | .54 (13.8)  |
| 8            | 1.016 (25.80) | .50 (12.6)  | .921 (23.40)  | .866 (22.00)  | .71 (18.0)  |
| 10           | 1.181 (30.00) | .66 (16.8)  | 1.087 (27.60) | 1.031 (26.20) | .87 (22.2)  |
| 12           | 1.346 (34.20) | .83 (21.0)  | 1.252 (31.80) | 1.197 (30.40) | 1.04 (26.4) |
| 14           | 1.512 (38.40) | .99 (25.2)  | 1.417 (36.00) | 1.362 (34.60) | 1.20 (30.6) |
| 16           | 1.677 (42.60) | 1.16 (29.4) | 1.583 (40.20) | 1.528 (38.80) | 1.37 (34.8) |
| 18           | 1.843 (46.80) | 1.32 (33.6) | 1.748 (44.40) | 1.693 (43.00) | 1.54 (39.0) |
| 20           | 2.008 (51.00) | 1.49 (37.8) | 1.913 (48.60) | 1.858 (47.20) | 1.70 (43.2) |
| 22           | 2.173 (55.20) | 1.65 (42.0) | 2.079 (52.80) | 2.024 (51.40) | 1.87 (47.4) |
| 24           | 2.339 (59.40) | 1.82 (46.2) | 2.244 (57.00) | 2.189 (55.60) | 2.03 (51.6) |

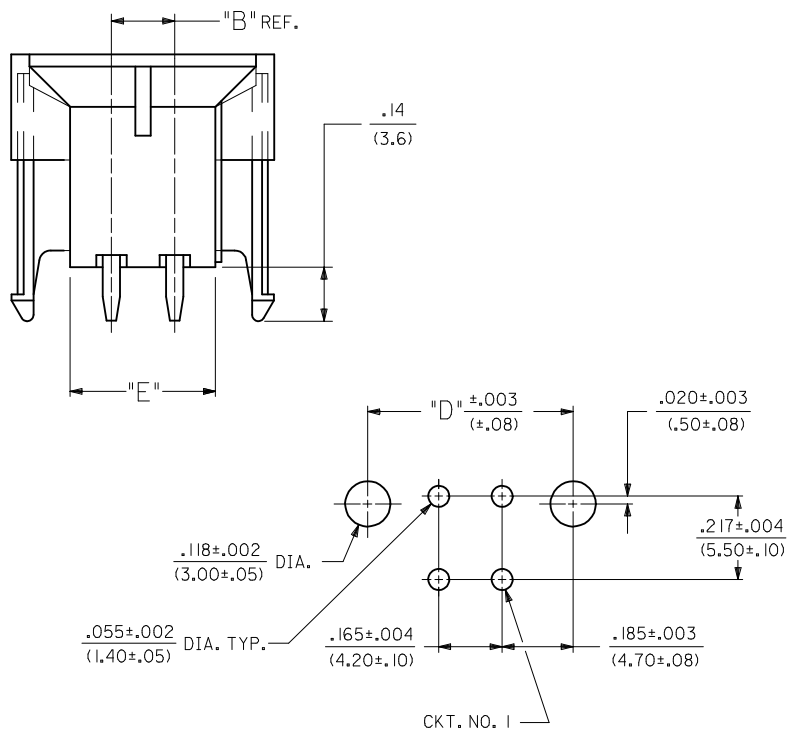
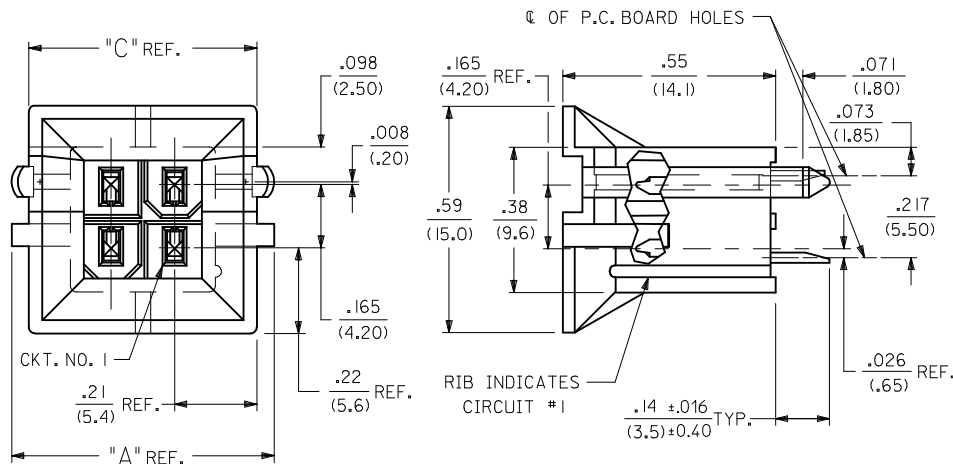
|                                   |                       |                                  |                           |      |
|-----------------------------------|-----------------------|----------------------------------|---------------------------|------|
| ---22, ---23                      | 42474---21, 5556-GS*P | 94V-0                            | BRASS                     | GOLD |
| ---12, ---13                      | 42474---11, 5556-GS*P | 94V-2                            | BRASS                     | TIN  |
| ---21                             | 42474---21, 5556-S*P  | 94V-0                            | BRASS                     | TIN  |
| ---11                             | 42474---11, 5556-S*P  | 94V-2                            | BRASS                     | TIN  |
| ---22, ---23, ---12, ---13, ---21 | A-42385---B2, ---B4   | 94V-0                            | BRASS                     | GOLD |
| ---12, ---13, ---21               | A-42385---A2, ---A4   | 94V-2                            | BRASS                     | TIN  |
| ---21                             | A-42385---B1          | 94V-0                            | BRASS                     | TIN  |
| ---11                             | A-42385---A1          | 94V-2                            | BRASS                     | TIN  |
| VERT. HEADER A-42440              | MATING CONNECTOR      | HSG. MAT'L. TERM. MAT'L. PLATING | MATING CONNECTOR FEATURES |      |

|              |                     |             |            |             |
|--------------|---------------------|-------------|------------|-------------|
| ADD 0.40 TOL | EC NO: UCP2013-0706 | 2012/08/20  | 2012/08/20 | 2012/09/05  |
| DRW:NGUYEN   | CHKD:JELL           | APPR:FSMITH | REV        | DESCRIPTION |
| Q5           |                     |             |            |             |

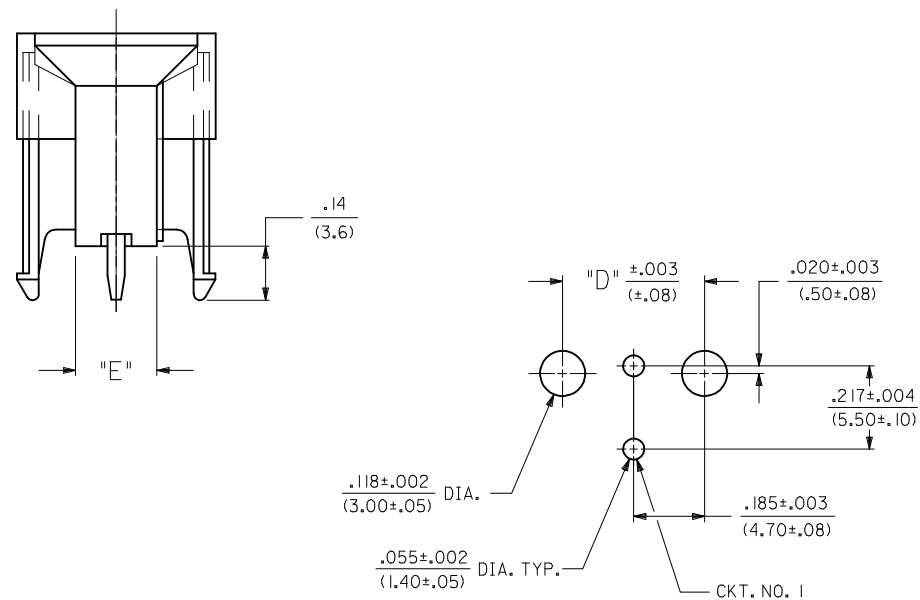
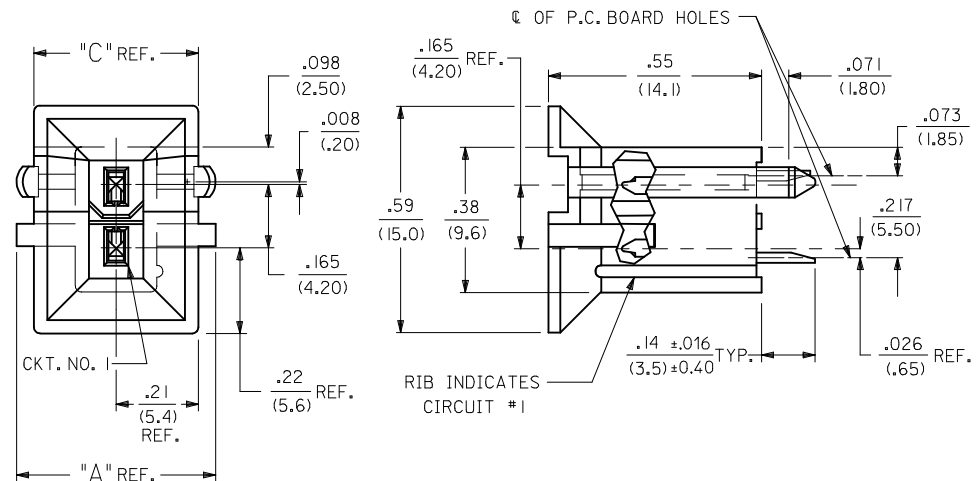
|                 |                                                      |
|-----------------|------------------------------------------------------|
| QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED)                |
| ▽=0             | 4 PLACES ± --- ± ---                                 |
| ▽=0             | 3 PLACES ± --- ± .010                                |
| ▽=0             | 2 PLACES ± .025 ± .015                               |
| ▽=0             | 1 PLACE ± 0.38 ± ---                                 |
|                 | ANGULAR ± 5 °                                        |
|                 | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |

|                 |                |                                      |                        |
|-----------------|----------------|--------------------------------------|------------------------|
| DIMENSION STYLE | SCALE          | DESIGN UNITS                         | THIRD ANGLE PROJECTION |
| IN/MM           | 4:1            | METRIC                               |                        |
| DRAWN BY        | DATE           | TITLE                                |                        |
| GEP             | 1989/04/06     | MINI-FIT B.M.I. VERTICAL HEADER ASSY |                        |
| CHECKED BY      | DATE           |                                      |                        |
| RJF             | 1989/04/06     |                                      |                        |
| APPROVED BY     | DATE           |                                      |                        |
| FSMITH          | 2011/02/11     |                                      |                        |
| MATERIAL NO.    | DOCUMENT NO.   |                                      |                        |
| SEE CHART       | SDA-42440-**** |                                      |                        |
| SIZE            |                |                                      |                        |
| C               |                |                                      |                        |

|                                                                                                                               |                  |
|-------------------------------------------------------------------------------------------------------------------------------|------------------|
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | SHEET NO. 1 OF 4 |
|-------------------------------------------------------------------------------------------------------------------------------|------------------|



RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD



RECOMMENDED HOLE LAYOUT FOR .070/(1.78) MAX. THICK P.C. BOARD

|                                                                                                                                        |                                      |                                                                                                                                                           |                                                                                                                                                             |                                                                                |                                                                                                         |                            |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------|
| <b>SEE SHEET 1</b><br>EC NO: UCP2013-0706<br>2012/08/20<br>DRAWN: NGUYEN<br>CHKD: J.BELL<br>2012/08/20<br>APPR: F.S.MITH<br>2012/09/05 | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)<br>4 PLACES ± --- ± ---<br>3 PLACES ± --- ± .010<br>2 PLACES ± .025 ± .015<br>1 PLACE ± .038 ± ---<br>ANGULAR ± 5 ° | DIMENSION STYLE<br><b>IN/MM</b><br>DRAWN BY: GEP<br>DATE: 1989/04/06<br>CHECKED BY: R.J.F.<br>DATE: 1989/04/06<br>APPROVED BY: F.S.MITH<br>DATE: 2011/02/11 | SCALE<br><b>1:1</b><br>DESIGN UNITS<br><b>METRIC</b><br>THIRD ANGLE PROJECTION | TITLE<br><b>MINI-FIT B.M.I.<br/>VERTICAL HEADER ASSY</b><br><b>MOLEX INCORPORATED</b><br>SDA-42440-**** | SHEET NO.<br><b>2 OF 4</b> |
|                                                                                                                                        |                                      |                                                                                                                                                           |                                                                                                                                                             |                                                                                |                                                                                                         |                            |
|                                                                                                                                        |                                      |                                                                                                                                                           |                                                                                                                                                             |                                                                                |                                                                                                         |                            |
|                                                                                                                                        |                                      |                                                                                                                                                           |                                                                                                                                                             |                                                                                |                                                                                                         |                            |

NOTES:

1) MATERIAL:

HOUSING MATERIAL:

1 = NYLON 6/6, UNFILLED UL 94V-2, COLOR: NATURAL

2 = NYLON 6/6, UNFILLED UL 94V-0, COLOR: NATURAL

TERMINALS: BRASS

2) TERMINAL PLATING:

S = .000100/(0.00254) MIN. BRIGHT TIN OVER .000050/(0.00127) MIN. NICKEL

GS = .000030/(0.00076) MIN. SELECT GOLD AND .000100/(0.00254) MIN.

SELECT MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL

GS3 = .000050/(0.00127) MIN. SELECT GOLD AND .000100/(0.00254) MIN.

SELECT MATTE TIN OVER .000050/(.00127) MIN. NICKEL OVERALL

3) PRODUCT SPECIFICATION: PS-5556-002

4) PACKAGING: SEE CHARTS

5) 6-24 CIRCUIT PARTS MATE WITH MINI-FIT JR. RECEPTACLES 5557, 42474, 44516 AND HEADERS 42385; 2 AND 4 CIRCUIT PARTS MATE WITH 42385,44516 AND 42474 ONLY.

6) PART ALLOWS FOR UP TO .100/(2.54) MISALIGNMENT WITH MATING RECEPTACLE IN ANY DIRECTION. SEE MATING CONNECTOR DRAWINGS FOR SPECIFIC ALLOWANCES.

7) CONNECTOR IS NOT DESIGNED FOR CURRENT SHARING.

8) CONNECTOR ASSEMBLIES ARE NOT BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.

9) RIB LOCATION IS DETERMINED BY MOLD DESIGN FOR MANUFACTURING EASE AND THE LOCATION DOES NOT AFFECT PART FUNCTION OR PERFORMANCE. LOCATION OF RIBS MAY VARY ON PARTS WITHIN MAUFACTURING LOT OR SHIPMENT. THIS DRAWING SHOWS TYPICAL RIB LOCATIONS.

10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002.

11) 12 CIRCUIT PARTS HAVE A SLOT BETWEEN CIRCUITS 7 AND 8.

|                                                                                                                           |                    |                                      |                                                            |                       |                          |                    |                                                                                                                               |                        |                        |  |  |
|---------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------|------------------------------------------------------------|-----------------------|--------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|--|--|
| SEE SHEET 1<br>EC NO: UCP2013-0706<br>2012/08/20<br>DRAWN:NGUYEN<br>CHKD:JBELL<br>2012/08/20<br>APPR:FSMITH<br>2012/09/05 | DESCRIPTION<br>REV | QUALITY SYMBOLS<br>▽=0<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |                       | DIMENSION STYLE<br>IN/MM |                    | SCALE<br>1:1                                                                                                                  | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION |  |  |
|                                                                                                                           |                    |                                      | mm                                                         | INCH                  | DRAWN BY<br>GEP          | DATE<br>1989/04/06 | TITLE<br>MINI-FIT B.M.I.<br>VERTICAL HEADER ASSY                                                                              |                        |                        |  |  |
|                                                                                                                           |                    | 4 PLACES ± ---                       | ± ---                                                      | CHECKED BY<br>RJF     | DATE<br>1989/04/06       |                    |                                                                                                                               |                        |                        |  |  |
|                                                                                                                           |                    | 3 PLACES ± ---                       | ± .010                                                     | APPROVED BY<br>FSMITH | DATE<br>2011/02/11       |                    |                                                                                                                               |                        |                        |  |  |
|                                                                                                                           |                    |                                      | 2 PLACES ± 0.25                                            | ± .015                | MATERIAL NO.             |                    | DOCUMENT NO.                                                                                                                  |                        |                        |  |  |
|                                                                                                                           |                    |                                      | 1 PLACE ± 0.38                                             | ± ---                 | SIZE<br>C                |                    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                        |                        |  |  |
|                                                                                                                           |                    |                                      | ANGULAR ± 5 °                                              |                       | SEE CHART                |                    | SDA-42440-****                                                                                                                |                        |                        |  |  |
|                                                                                                                           |                    |                                      | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |                       |                          |                    | SHEET NO.<br>3 OF 4                                                                                                           |                        |                        |  |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            |                                               |    |    |      |            |                                               |   |   |      |            |                                              |   |   |      |            |                                              |   |   |      |   |   |   |  |   |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------|----|----|------|------------|-----------------------------------------------|---|---|------|------------|----------------------------------------------|---|---|------|------------|----------------------------------------------|---|---|------|---|---|---|--|---|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 13         |                                               | 12 |    | 11   |            | 10                                            |   | 9 |      | 8          |                                              | 7 |   | 6    |            | 5                                            |   | 4 |      | 3 |   | 2 |  | 1 |  |  |
| J                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PLATING:   | TIN (SEE NOTE 2 OPTION *S')                   |    |    |      | PLATING:   | TIN (SEE NOTE 2 OPTION *S')                   |   |   |      | PLATING:   | 30 M.I. SELECT GOLD (SEE NOTE 2 OPTION *GS') |   |   |      | PLATING:   | 30 M.I. SELECT GOLD (SEE NOTE 2 OPTION *GS') |   |   |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DRAINS:    | WITHOUT DRAIN HOLES                           |    |    |      | DRAINS:    | WITHOUT DRAIN HOLES                           |   |   |      | DRAINS:    | WITHOUT DRAIN HOLES                          |   |   |      | DRAINS:    | WITHOUT DRAIN HOLES                          |   |   |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PEGS:      | WITH PEGS                                     |    |    |      | PEGS:      | WITH PEGS                                     |   |   |      | PEGS:      | WITH PEGS                                    |   |   |      | PEGS:      | WITH PEGS                                    |   |   |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MAT'L:     | 94V-2 [NATURAL]                               |    |    |      | MAT'L:     | 94V-2 [NATURAL]                               |   |   |      | MAT'L:     | 94V-2 [NATURAL]                              |   |   |      | MAT'L:     | 94V-2 [NATURAL]                              |   |   |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PACKAGING: | TRAY PER PK-42440-001                         |    |    |      | PACKAGING: | TRAY PER PK-42440-001                         |   |   |      | PACKAGING: | TRAY PER PK-42440-001                        |   |   |      | PACKAGING: | TRAY PER PK-42440-001                        |   |   |      |   |   |   |  |   |  |  |
| I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PART NO.   | ENG NO.                                       |    |    | CKTS | PART NO.   | ENG NO.                                       |   |   | CKTS | PART NO.   | ENG NO.                                      |   |   | CKTS | PART NO.   | ENG NO.                                      |   |   | CKTS |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-021I                                  |    | -  | 2    | NO EDP     | A-42440-022I                                  |   | - | 2    | NO EDP     | A-42440-0212                                 |   | - | 2    | NO EDP     | A-42440-0222                                 |   | - | 2    |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I5-24-604I | A-42440-041I                                  |    | -  | 4    | I5-24-6042 | A-42440-042I                                  |   | - | 4    | I5-28-604I | A-42440-0412                                 |   | - | 4    | I5-28-6042 | A-42440-0422                                 |   | - | 4    |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I5-24-606I | A-42440-061I                                  |    | -  | 6    | I5-24-6062 | A-42440-062I                                  |   | - | 6    | I5-28-606I | A-42440-0612                                 |   | - | 6    | I5-28-6062 | A-42440-0622                                 |   | - | 6    |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-081I                                  |    | -  | 8    | NO EDP     | A-42440-082I                                  |   | - | 8    | NO EDP     | A-42440-0812                                 |   | - | 8    | NO EDP     | A-42440-0822                                 |   | - | 8    |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I5-24-610I | A-42440-101I                                  |    | -  | 10   | I5-24-6102 | A-42440-102I                                  |   | - | 10   | I5-28-610I | A-42440-1012                                 |   | - | 10   | I5-28-6102 | A-42440-1022                                 |   | - | 10   |   |   |   |  |   |  |  |
| H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | I5-24-612I | A-42440-121I                                  |    | -  | 12   | I5-24-6122 | A-42440-122I                                  |   | - | 12   | I5-28-612I | A-42440-1212                                 |   | - | 12   | I5-28-6122 | A-42440-1222                                 |   | - | 12   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I5-24-614I | A-42440-141I                                  |    | -  | 14   | I5-24-6142 | A-42440-142I                                  |   | - | 14   | I5-28-614I | A-42440-1412                                 |   | - | 14   | I5-28-6142 | A-42440-1422                                 |   | - | 14   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I5-24-616I | A-42440-161I                                  |    | -  | 16   | I5-24-6162 | A-42440-162I                                  |   | - | 16   | I5-28-616I | A-42440-1612                                 |   | - | 16   | NO EDP     | A-42440-1622                                 |   | - | 16   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I5-24-618I | A-42440-181I                                  |    | -  | 18   | I5-24-6182 | A-42440-182I                                  |   | - | 18   | I5-28-618I | A-42440-1812                                 |   | - | 18   | I5-28-6182 | A-42440-1822                                 |   | - | 18   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-201I                                  |    | -  | 20   | NO EDP     | A-42440-202I                                  |   | - | 20   | NO EDP     | A-42440-2012                                 |   | - | 20   | NO EDP     | A-42440-2022                                 |   | - | 20   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-221I                                  |    | -  | 22   | NO EDP     | A-42440-222I                                  |   | - | 22   | NO EDP     | A-42440-2212                                 |   | - | 22   | NO EDP     | A-42440-2222                                 |   | - | 22   |   |   |   |  |   |  |  |
| G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | I5-24-624I | A-42440-241I                                  |    | -  | 24   | I5-24-6242 | A-42440-242I                                  |   | - | 24   | I5-28-624I | A-42440-2412                                 |   | - | 24   | I5-28-6242 | A-42440-2422                                 |   | - | 24   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PLATING:   | 50 M.I. SELECT GOLD (SEE NOTE 2 OPTION *GS3') |    |    |      | PLATING:   | 50 M.I. SELECT GOLD (SEE NOTE 2 OPTION *GS3') |   |   |      | PLATING:   |                                              |   |   |      | PLATING:   |                                              |   |   |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DRAINS:    | WITHOUT DRAIN HOLES                           |    |    |      | DRAINS:    | WITHOUT DRAIN HOLES                           |   |   |      | DRAINS:    |                                              |   |   |      | DRAINS:    |                                              |   |   |      |   |   |   |  |   |  |  |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PEGS:      | WITH PEGS                                     |    |    |      | PEGS:      | WITH PEGS                                     |   |   |      | PEGS:      |                                              |   |   |      | PEGS:      |                                              |   |   |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MAT'L:     | 94V-2 [NATURAL]                               |    |    |      | MAT'L:     | 94V-2 [NATURAL]                               |   |   |      | MAT'L:     |                                              |   |   |      | MAT'L:     |                                              |   |   |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PACKAGING: | TRAY PER PK-42440-001                         |    |    |      | PACKAGING: | TRAY PER PK-42440-001                         |   |   |      | PACKAGING: |                                              |   |   |      | PACKAGING: |                                              |   |   |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PART NO.   | ENG NO.                                       |    |    | CKTS | PART NO.   | ENG NO.                                       |   |   | CKTS | PART NO.   | ENG NO.                                      |   |   | CKTS | PART NO.   | ENG NO.                                      |   |   | CKTS |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-0213                                  |    | -  | 2    | NO EDP     | A-42440-0223                                  |   | - | 2    | NO EDP     | -                                            |   | - | 2    | NO EDP     | -                                            |   | - | 2    |   |   |   |  |   |  |  |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NO EDP     | A-42440-0413                                  |    | -  | 4    | NO EDP     | A-42440-0423                                  |   | - | 4    | NO EDP     | -                                            |   | - | 4    | NO EDP     | -                                            |   | - | 4    |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-0613                                  |    | -  | 6    | NO EDP     | A-42440-0623                                  |   | - | 6    | NO EDP     | -                                            |   | - | 6    | NO EDP     | -                                            |   | - | 6    |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-0813                                  |    | -  | 8    | NO EDP     | A-42440-0823                                  |   | - | 8    | NO EDP     | -                                            |   | - | 8    | NO EDP     | -                                            |   | - | 8    |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-1013                                  |    | -  | 10   | NO EDP     | A-42440-1023                                  |   | - | 10   | NO EDP     | -                                            |   | - | 10   | NO EDP     | -                                            |   | - | 10   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-1213                                  |    | -  | 12   | NO EDP     | A-42440-1223                                  |   | - | 12   | NO EDP     | -                                            |   | - | 12   | NO EDP     | -                                            |   | - | 12   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-1413                                  |    | -  | 14   | NO EDP     | A-42440-1423                                  |   | - | 14   | NO EDP     | -                                            |   | - | 14   | NO EDP     | -                                            |   | - | 14   |   |   |   |  |   |  |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | NO EDP     | A-42440-1613                                  |    | -  | 16   | NO EDP     | A-42440-1623                                  |   | - | 16   | NO EDP     | -                                            |   | - | 16   | NO EDP     | -                                            |   | - | 16   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-1813                                  |    | -  | 18   | NO EDP     | A-42440-1823                                  |   | - | 18   | NO EDP     | -                                            |   | - | 18   | NO EDP     | -                                            |   | - | 18   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-2013                                  |    | -  | 20   | NO EDP     | A-42440-2023                                  |   | - | 20   | NO EDP     | -                                            |   | - | 20   | NO EDP     | -                                            |   | - | 20   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-2213                                  |    | -  | 22   | NO EDP     | A-42440-2223                                  |   | - | 22   | NO EDP     | -                                            |   | - | 22   | NO EDP     | -                                            |   | - | 22   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | NO EDP     | A-42440-2413                                  |    | -  | 24   | NO EDP     | A-42440-2423                                  |   | - | 24   | NO EDP     | -                                            |   | - | 24   | NO EDP     | -                                            |   | - | 24   |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |            | -                                             |    | -  |      |            | -                                             |   | - |      |            | -                                            |   | - |      |            | -                                            |   | - |      |   |   |   |  |   |  |  |
| <div><div>SEE SHEET 1</div><div>EC NO: UCP2013-0706</div><div>DRW:NGUYEN</div><div>CHKD:JBELL</div><div>APPR:FSMITH</div><div>Q5</div><div>REV</div><div>QUALITY SYMBOLS</div><div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div><div>DIMENSION STYLE</div><div>SCALE</div><div>DESIGN UNITS</div><div>THIRD ANGLE PROJECTION</div><div>DRAWN BY</div><div>DATE</div><div>CHECKED BY</div><div>DATE</div><div>APPROVED BY</div><div>DATE</div><div>MATERIAL NO.</div><div>DOCUMENT NO.</div><div>SHEET NO.</div><div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div></div> |            |                                               |    |    |      |            |                                               |   |   |      |            |                                              |   |   |      |            |                                              |   |   |      |   |   |   |  |   |  |  |
| Ib_frame_C_P_AM.T<br>Rev. F 2009/06/18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |                                               |    |    |      |            |                                               |   |   |      |            |                                              |   |   |      |            |                                              |   |   |      |   |   |   |  |   |  |  |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |            | 11                                            |    | 10 |      | 9          |                                               | 8 |   | 7    |            | 6                                            |   | 5 |      | 4          |                                              | 3 |   | 2    |   | 1 |   |  |   |  |  |