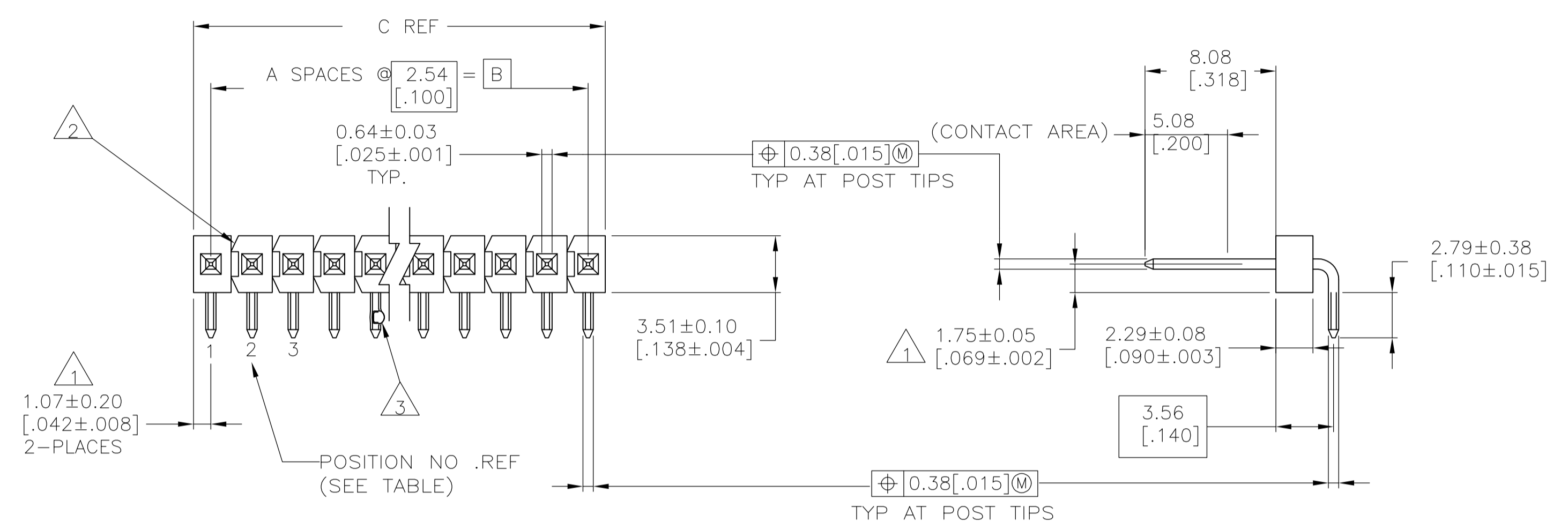
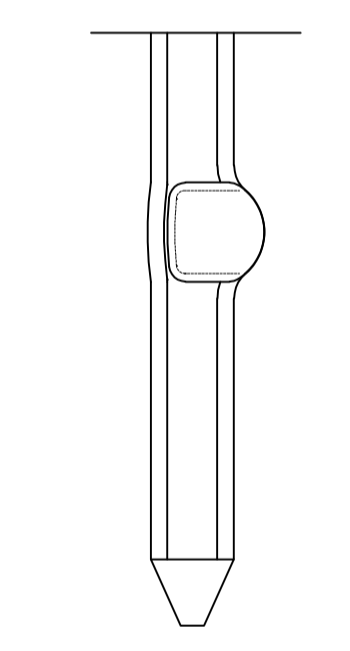
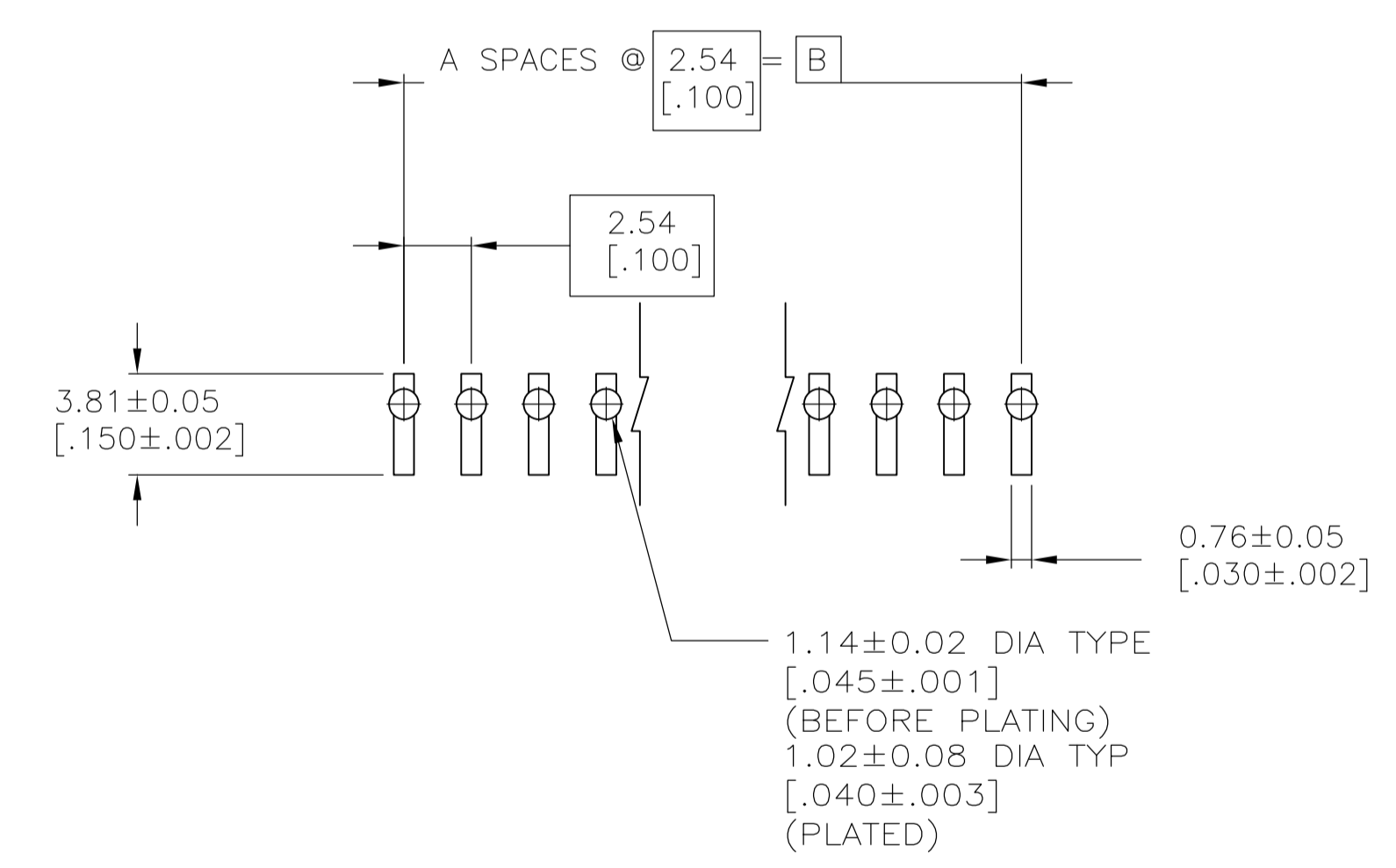


| LOC |     | DIST                      |         | REVISIONS |      |  |  |
|-----|-----|---------------------------|---------|-----------|------|--|--|
| P   | LTR | DESCRIPTION               | DATE    | DWN       | APVD |  |  |
| C   |     | EC 063C 0866 04           | 27MAY05 | BSV       | JLG  |  |  |
| C1  |     | REVISED PER ECO-09-021510 | 12SEP09 | KK        | AEG  |  |  |



- 1 THE NOTED DIMENSIONS APPLY AT THE INTERSECTION OF THE POST AND HOUSING.
- 2 BREAKAWY NOTCH ANGLE CAN BE ORIENTED TO THE RIGHT ( AS SHOWN ) OR TO THE LEFT
- 3 SELECTIVE POSTS ARE FORMED TO PROVIDE CONNECTOR RETENTION TO PC BOARD UNTIL SOLDERED. RETENTION FEATURE IS FOR .055 MINIMUM PC BOARD THICKNESS. ( SEE DETAIL Z FOR FORM AND TABLE FOR LOCATIONS. )
- 4 0.000762 [.000030] GOLD ON CONTACT AREA, 0.00254-0.00508 [.000100-.000200] MATTE TIN-LEAD ON SOLDER TAIL, ALL OVER 0.00127 [.000050] NICKEL.
- 5 HOUSING: GLASS FILLED THERMOPLASTIC, COLOR, BLACK. ( WILL WITHSTAND VAPOR PHASE REFLOW.)
- 6 0.000762 [.000030] GOLD ON CONTACT AREA, 0.00254-0.00508 [.000100-.000200] MATTE TIN ON SOLDER TAIL, ALL OVER 0.00127 [.000050] NICKEL.
- 7 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



DETAIL Z  
 POST DETAIL TYP  
 2 POST MINIMUM  
 SCALE 20:1

RECOMENDED PC BOARD MOUNTING DIMENSIONS FOR .063 [1.60] THICK PC BOARD AND .012 [.305] STENCIL THICK.

|  |  |                               |  |  |
|--|--|-------------------------------|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DIN<br>T.HOFFMAN<br>21JUNE95  | Tyco Electronics Corporation<br>Harrisburg, Pa 17105-3608  |  |
| DIMENSIONS:<br>mm [INCHES]             |  | CHK<br>G-DUBNICZKI<br>4DEC95  | NAME<br>HEADER ASSY MOD II, BREAKAWAY,HIGH TEMPERATURE<br>RIGHT ANGLE SINGLE ROW,100 C/L W/.025<br>SQUARE POSTS WITH HOLD-DOWN CONFIGURATION |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD<br>G-DUBNICZKI<br>4DEC95 | APPLICATION SPEC   |  |
| 0 PLC ± -                              |  | SIZE CAGE CODE DRAWING NO     |  |  |
| 1 PLC ± -                              |  | A1 00779 C=146307             |  |  |
| 2 PLC ± 0.51[0.02]                     |  | WEIGHT -                      |  |  |
| 3 PLC ± 0.127[0.005]                   |  | CUSTOMER DRAWING              |  |  |
| 4 PLC ± 0.0127[0.0005]                 |  | SCALE 4:1 SHEET 1 OF 2 REV C1 |  |  |
| ANGLES ± -                             |  |                               |  |  |
| FINISH SEE TABLE                       |  |                               |  |  |

|   |           |                   |                  |    |    |            |
|---|-----------|-------------------|------------------|----|----|------------|
| 6 | 1,2,39,40 | 101.19<br>[3.984] | 99.06<br>[3.900] | 39 | 40 | 9-146307-0 |
| 6 | 1,2,38,39 | 98.65<br>[3.884]  | 96.52<br>[3.800] | 38 | 39 | 8-146307-9 |
| 6 | 1,2,37,38 | 96.11<br>[3.684]  | 93.98<br>[3.700] | 37 | 38 | 8-146307-8 |
| 6 | 1,2,36,37 | 93.57<br>[3.684]  | 91.44<br>[3.600] | 36 | 37 | 8-146307-7 |
| 6 | 1,2,35,36 | 91.03<br>[3.584]  | 88.90<br>[3.500] | 35 | 36 | 8-146307-6 |
| 6 | 1,2,34,35 | 88.49<br>[3.484]  | 86.36<br>[3.400] | 34 | 35 | 8-146307-5 |
| 6 | 1,2,33,34 | 85.95<br>[3.384]  | 83.82<br>[3.300] | 33 | 34 | 8-146307-4 |
| 6 | 1,2,32,33 | 83.41<br>[3.284]  | 81.28<br>[3.200] | 32 | 33 | 8-146307-3 |
| 6 | 1,2,31,32 | 80.87<br>[3.184]  | 78.74<br>[3.100] | 31 | 32 | 8-146307-2 |
| 6 | 1,2,30,31 | 78.33<br>[3.084]  | 76.20<br>[3.000] | 30 | 31 | 8-146307-1 |
| 6 | 1,2,29,30 | 75.79<br>[2.984]  | 73.66<br>[2.900] | 29 | 30 | 8-146307-0 |
| 6 | 1,2,28,29 | 73.25<br>[2.884]  | 71.12<br>[2.800] | 28 | 29 | 7-146307-9 |
| 6 | 1,2,27,28 | 70.71<br>[2.684]  | 68.58<br>[2.700] | 27 | 28 | 7-146307-8 |
| 6 | 1,2,26,27 | 68.17<br>[2.684]  | 66.04<br>[2.600] | 26 | 27 | 7-146307-7 |
| 6 | 1,2,25,26 | 65.63<br>[2.584]  | 63.5<br>[2.500]  | 25 | 26 | 7-146307-6 |
| 6 | 1,2,24,25 | 63.09<br>[2.484]  | 60.96<br>[2.400] | 24 | 25 | 7-146307-5 |
| 6 | 1,2,23,24 | 60.55<br>[2.384]  | 58.42<br>[2.300] | 23 | 24 | 7-146307-4 |
| 6 | 1,2,22,23 | 58.01<br>[2.284]  | 55.88<br>[2.200] | 22 | 23 | 7-146307-3 |
| 6 | 1,2,21,22 | 55.47<br>[2.184]  | 53.34<br>[2.100] | 21 | 22 | 7-146307-2 |
| 6 | 1,2,20,21 | 52.93<br>[2.084]  | 50.80<br>[2.000] | 20 | 21 | 7-146307-1 |
| 6 | 1,2,19,20 | 50.39<br>[1.984]  | 48.26<br>[1.900] | 19 | 20 | 7-146307-0 |
| 6 | 1,2,18,19 | 47.85<br>[1.884]  | 45.72<br>[1.800] | 18 | 19 | 6-146307-9 |
| 6 | 1,2,17,18 | 45.31<br>[1.784]  | 43.18<br>[1.700] | 17 | 18 | 6-146307-8 |
| 6 | 1,2,16,17 | 42.77<br>[1.584]  | 40.64<br>[1.600] | 16 | 17 | 6-146307-7 |
| 6 | 1,2,15,16 | 40.23<br>[1.584]  | 38.10<br>[1.500] | 15 | 16 | 6-146307-6 |
| 6 | 1,2,14,15 | 37.69<br>[1.484]  | 35.56<br>[1.400] | 14 | 15 | 6-146307-5 |
| 6 | 1,2,13,14 | 35.15<br>[1.384]  | 33.02<br>[1.200] | 13 | 14 | 6-146307-4 |
| 6 | 1,2,12,13 | 32.61<br>[1.284]  | 30.48<br>[1.200] | 12 | 13 | 6-146307-3 |
| 6 | 1,2,11,12 | 30.07<br>[1.184]  | 27.94<br>[1.100] | 11 | 12 | 6-146307-2 |
| 6 | 1,2,10,11 | 27.53<br>[1.084]  | 25.40<br>[1.000] | 10 | 11 | 6-146307-1 |
| 6 | 1,2,9,10  | 24.99<br>[.984]   | 22.86<br>[.900]  | 9  | 10 | 6-146307-0 |
| 6 | 1,2,8,9   | 22.45<br>[.884]   | 20.32<br>[.800]  | 8  | 9  | 5-146307-9 |
| 6 | 1,2,7,8   | 19.91<br>[.784]   | 17.78<br>[.700]  | 7  | 8  | 5-146307-8 |
| 6 | 1,2,6,7   | 17.37<br>[.684]   | 15.24<br>[.600]  | 6  | 7  | 5-146307-7 |
| 6 | ALL       | 14.83<br>[.584]   | 12.70<br>[.500]  | 5  | 6  | 5-146307-6 |
| 6 | ALL       | 12.29<br>[.484]   | 10.16<br>[.400]  | 4  | 5  | 5-146307-5 |
| 6 | ALL       | 9.75<br>[.384]    | 7.62<br>[.300]   | 3  | 4  | 5-146307-4 |
| 6 | ALL       | 7.21<br>[.284]    | 5.08<br>[.200]   | 2  | 3  | 5-146307-3 |

PLATING HOLD-DOWN POST CONFIG. LOCATIONS. C B A NO. OF POSITIONS PART NUMBER

|   |           |                   |                  |    |    |            |
|---|-----------|-------------------|------------------|----|----|------------|
| 4 | 1,2,39,40 | 101.19<br>[3.984] | 99.06<br>[3.900] | 39 | 40 | 4-146307-0 |
| 4 | 1,2,38,39 | 98.65<br>[3.884]  | 96.52<br>[3.800] | 38 | 39 | 3-146307-9 |
| 4 | 1,2,37,38 | 96.11<br>[3.684]  | 93.98<br>[3.700] | 37 | 38 | 3-146307-8 |
| 4 | 1,2,36,37 | 93.57<br>[3.684]  | 91.44<br>[3.600] | 36 | 37 | 3-146307-7 |
| 4 | 1,2,35,36 | 91.03<br>[3.584]  | 88.90<br>[3.500] | 35 | 36 | 3-146307-6 |
| 4 | 1,2,34,35 | 88.49<br>[3.484]  | 86.36<br>[3.400] | 34 | 35 | 3-146307-5 |
| 4 | 1,2,33,34 | 85.95<br>[3.384]  | 83.82<br>[3.300] | 33 | 34 | 3-146307-4 |
| 4 | 1,2,32,33 | 83.41<br>[3.284]  | 81.28<br>[3.200] | 32 | 33 | 3-146307-3 |
| 4 | 1,2,31,32 | 80.87<br>[3.184]  | 78.74<br>[3.100] | 31 | 32 | 3-146307-2 |
| 4 | 1,2,30,31 | 78.33<br>[3.084]  | 76.20<br>[3.000] | 30 | 31 | 3-146307-1 |
| 4 | 1,2,29,30 | 75.79<br>[2.984]  | 73.66<br>[2.900] | 29 | 30 | 3-146307-0 |
| 4 | 1,2,28,29 | 73.25<br>[2.884]  | 71.12<br>[2.800] | 28 | 29 | 2-146307-9 |
| 4 | 1,2,27,28 | 70.71<br>[2.684]  | 68.58<br>[2.700] | 27 | 28 | 2-146307-8 |
| 4 | 1,2,26,27 | 68.17<br>[2.684]  | 66.04<br>[2.600] | 26 | 27 | 2-146307-7 |
| 4 | 1,2,25,26 | 65.63<br>[2.584]  | 63.5<br>[2.500]  | 25 | 26 | 2-146307-6 |
| 4 | 1,2,24,25 | 63.09<br>[2.484]  | 60.96<br>[2.400] | 24 | 25 | 2-146307-5 |
| 4 | 1,2,23,24 | 60.55<br>[2.384]  | 58.42<br>[2.300] | 23 | 24 | 2-146307-4 |
| 4 | 1,2,22,23 | 58.01<br>[2.284]  | 55.88<br>[2.200] | 22 | 23 | 2-146307-3 |
| 4 | 1,2,21,22 | 55.47<br>[2.184]  | 53.34<br>[2.100] | 21 | 22 | 2-146307-2 |
| 4 | 1,2,20,21 | 52.93<br>[2.084]  | 50.80<br>[2.000] | 20 | 21 | 2-146307-1 |
| 4 | 1,2,19,20 | 50.39<br>[1.984]  | 48.26<br>[1.900] | 19 | 20 | 2-146307-0 |
| 4 | 1,2,18,19 | 47.85<br>[1.884]  | 45.72<br>[1.800] | 18 | 19 | 1-146307-9 |
| 4 | 1,2,17,18 | 45.31<br>[1.784]  | 43.18<br>[1.700] | 17 | 18 | 1-146307-8 |
| 4 | 1,2,16,17 | 42.77<br>[1.584]  | 40.64<br>[1.600] | 16 | 17 | 1-146307-7 |
| 4 | 1,2,15,16 | 40.23<br>[1.584]  | 38.10<br>[1.500] | 15 | 16 | 1-146307-6 |
| 4 | 1,2,14,15 | 37.69<br>[1.484]  | 35.56<br>[1.400] | 14 | 15 | 1-146307-5 |
| 4 | 1,2,13,14 | 35.15<br>[1.384]  | 33.02<br>[1.200] | 13 | 14 | 1-146307-4 |
| 4 | 1,2,12,13 | 32.61<br>[1.284]  | 30.48<br>[1.200] | 12 | 13 | 1-146307-3 |
| 4 | 1,2,11,12 | 30.07<br>[1.184]  | 27.94<br>[1.100] | 11 | 12 | 1-146307-2 |
| 4 | 1,2,10,11 | 27.53<br>[1.084]  | 25.40<br>[1.000] | 10 | 11 | 1-146307-1 |
| 4 | 1,2,9,10  | 24.99<br>[.984]   | 22.86<br>[.900]  | 9  | 10 | 1-146307-0 |
| 4 | 1,2,8,9   | 22.45<br>[.884]   | 20.32<br>[.800]  | 8  | 9  | 146307-9   |
| 4 | 1,2,7,8   | 19.91<br>[.784]   | 17.78<br>[.700]  | 7  | 8  | 146307-8   |
| 4 | 1,2,6,7   | 17.37<br>[.684]   | 15.24<br>[.600]  | 6  | 7  | 146307-7   |
| 4 | ALL       | 14.83<br>[.584]   | 12.70<br>[.500]  | 5  | 6  | 146307-6   |
| 4 | ALL       | 12.29<br>[.484]   | 10.16<br>[.400]  | 4  | 5  | 146307-5   |
| 4 | ALL       | 9.75<br>[.384]    | 7.62<br>[.300]   | 3  | 4  | 146307-4   |
| 4 | ALL       | 7.21<br>[.284]    | 5.08<br>[.200]   | 2  | 3  | 146307-3   |
| 4 | -         | 4.67<br>[.184]    | 2.54<br>[.100]   | 1  | 2  | 146307-2   |
| 4 | -         | 2.13<br>[.084]    | -                | 0  | 1  | 146307-1   |

PLATING HOLD-DOWN POST CONFIG. LOCATIONS. C B A NO. OF POSITIONS PART NUMBER

OBSOLETE

OBSOLETE

△ SUPERCEDED

OBSOLETE

OBSOLETE  
OBSOLETE

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONS: mm [INCHES]. TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± -, 1 PLC ± .01, 2 PLC ± .012(0.005), 3 PLC ± .012(0.005), 4 PLC ± .012(0.005). MATERIAL: SEE TABLE. FINISH: SEE TABLE. WEIGHT: -. CUSTOMER DRAWING. SCALE: 1:1. SHEET 2 OF 2. REV C1.

TYCO Electronics Corporation Harrisburg, Pa 17105-3608

NAME: HEADER ASSY MOD II, BREAKAWAY, HIGH TEMPERATURE, RIGHT ANGLE SINGLE ROW, 100 C/L W/.025 SQUARE POSTS WITH HOLD-DOWN CONFIGURATION. APPLICATION SPEC. SIZE: A1. CAGE CODE: 00779. DRAWING NO: 146307.