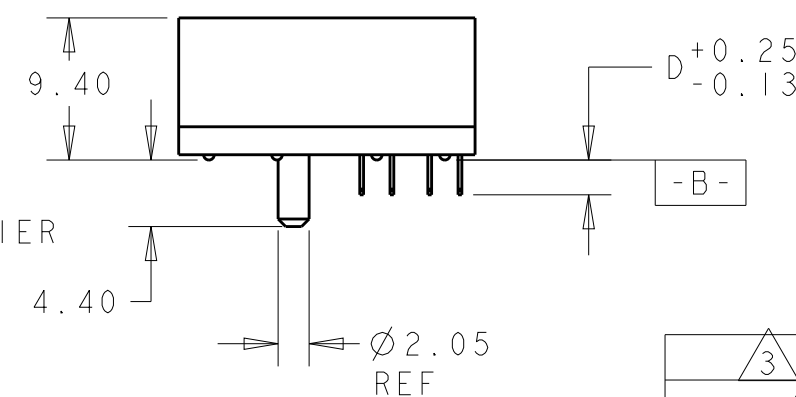
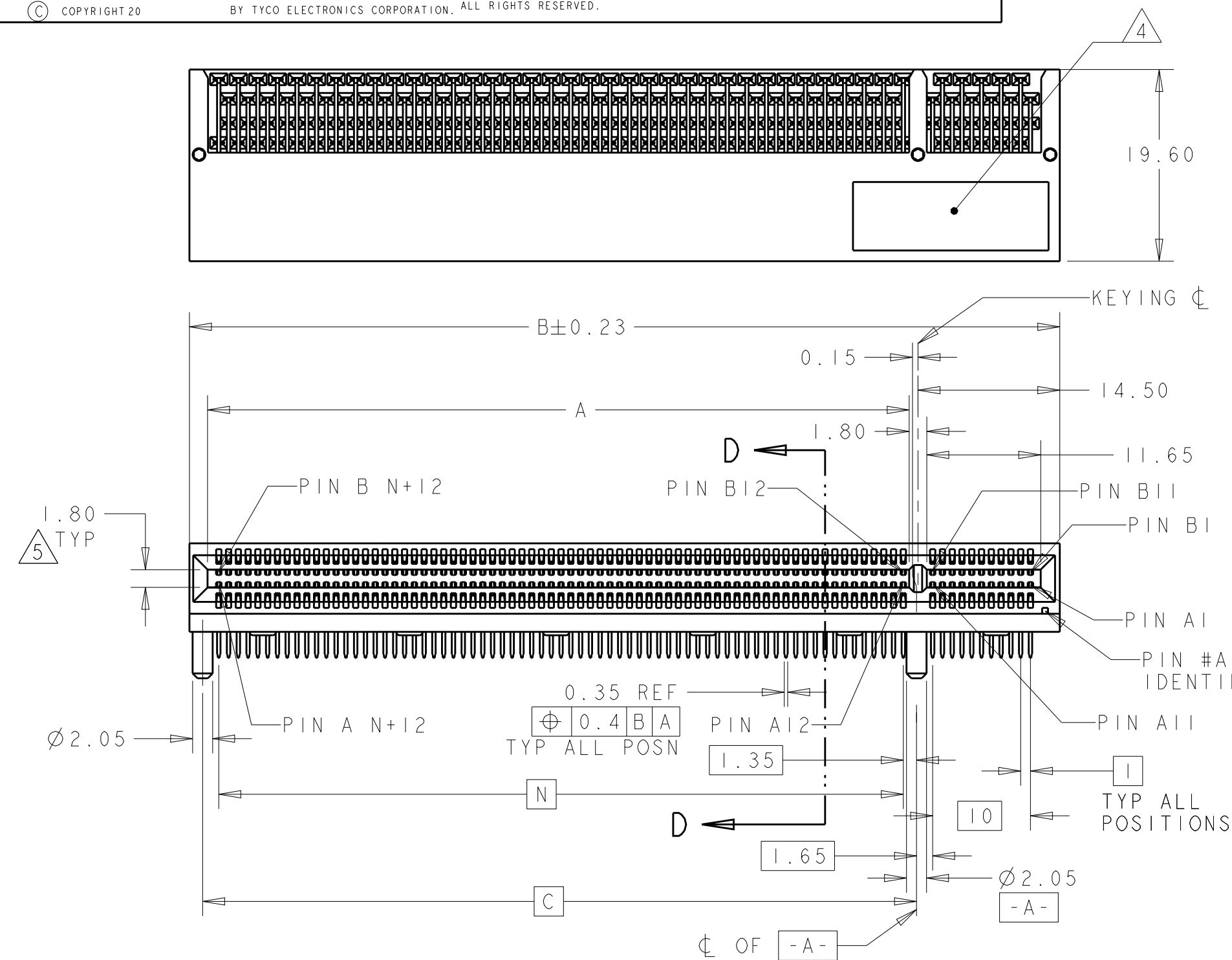


| LOC | DIST | REVISONS |     |                            |           |     |      |
|-----|------|----------|-----|----------------------------|-----------|-----|------|
|     |      | P        | LTR | DESCRIPTION                | DATE      | DWN | APVD |
| GP  | 00   |          | A   | RELEASED PER ECO-09-016675 | 07AUG2009 | CR  | PR   |
|     |      |          | B   | REVISED PER ECO-10-.013513 | 29JUN2010 | CJV | PAR  |
|     |      |          | C   | REVISED PER ECO-15-015156  | 14MAR2016 | FL  | SY   |
|     |      |          |     |                            |           |     |      |



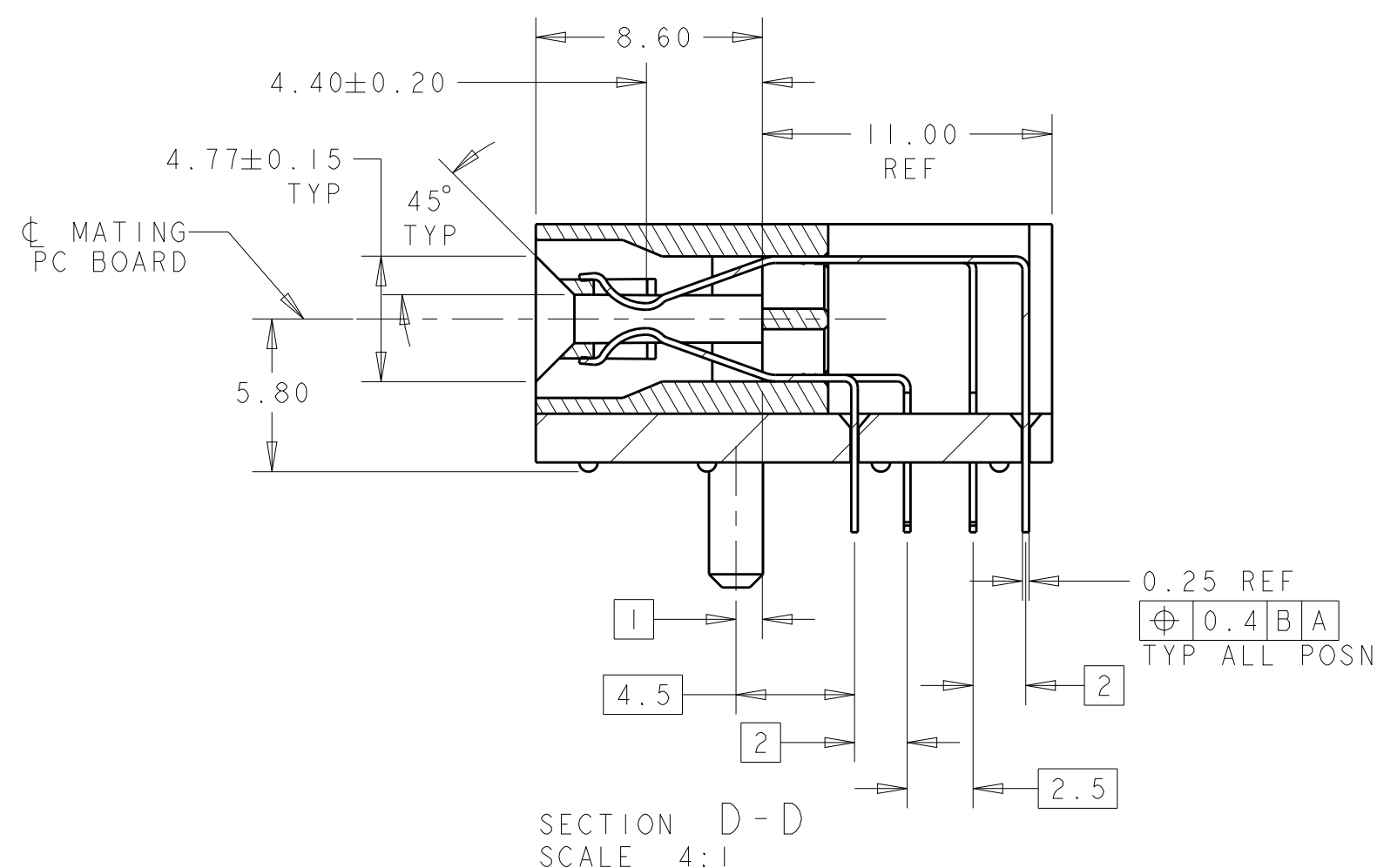
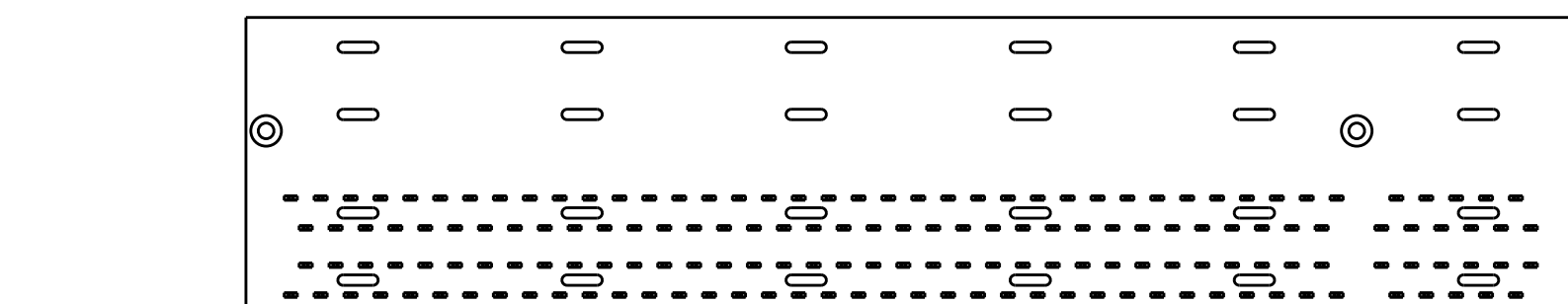
△ MATERIAL: HOUSING: HIGH TEMP NYLON, UL 94V-0  
COLOR: BLACK  
TINE PLATE: LCP, UL 94V-0,  
COLOR: BLACK.  
CONTACT: PHOSPHOR BRONZE

2 FINISH: CONTACT AREA: GOLD PLATE 0.76μm MIN THICK OVER  
NICKEL UNDERPLATE.  
TINE AREA: TIN PLATE OVER NICKEL UNDERPLATE.

3 FINISH: CONTACT AREA: GOLD PLATE 0.38μm MIN THICK OVER  
NICKEL UNDERPLATE.  
TINE AREA: TIN PLATE OVER NICKEL UNDERPLATE.

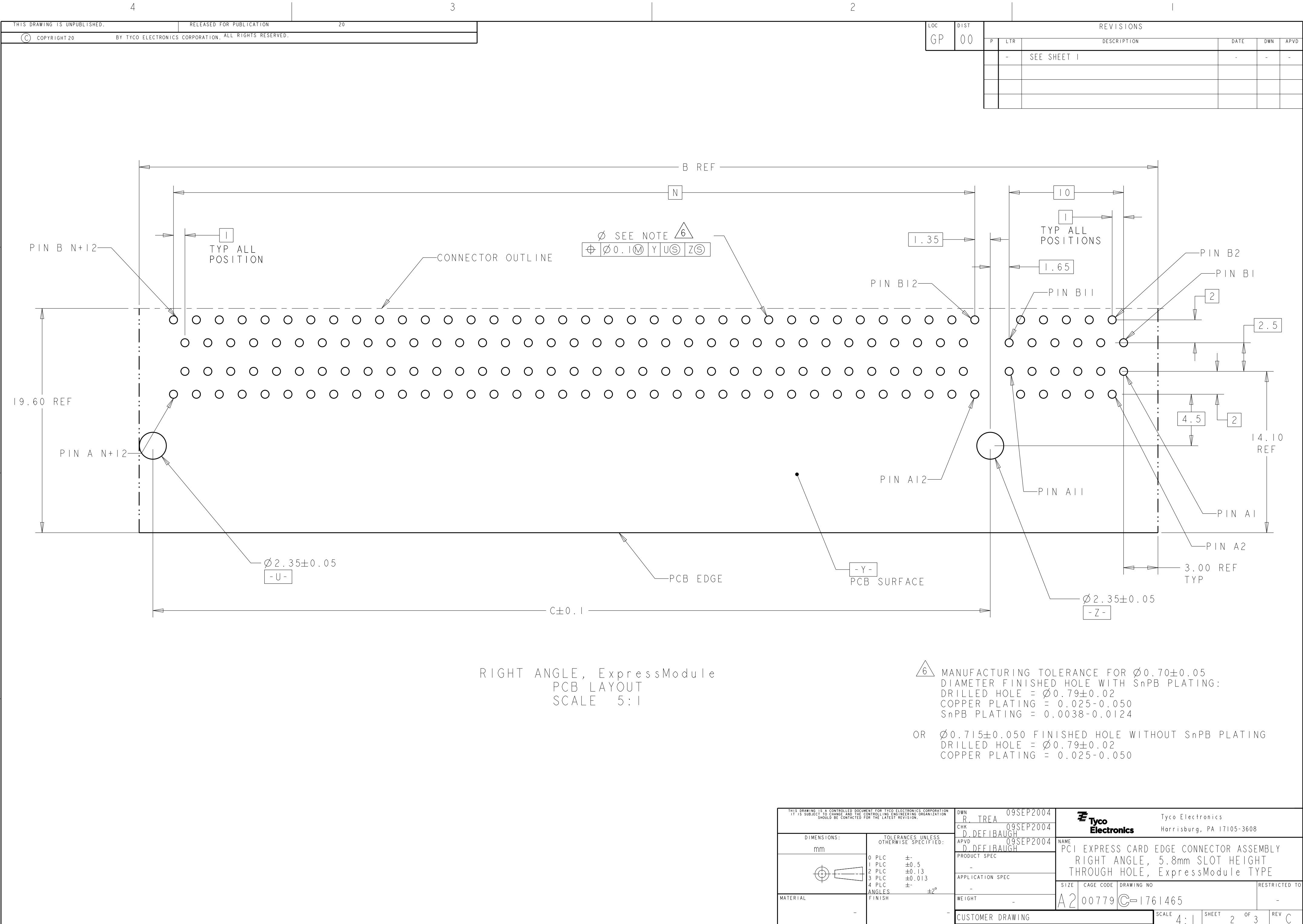
4 COMPANY LOGO IN APPROXIMATE AREA SHOWN.

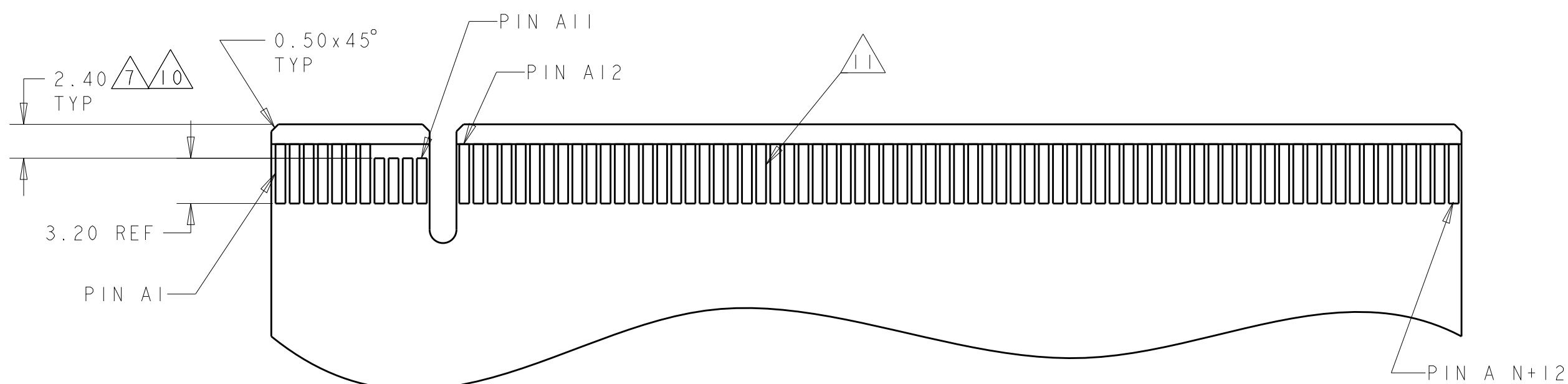
5 SLOT ACCEPTS STANDARD 1.57mm±10% THICK ADD-IN CARD.



|        |        |        |      |        |        |        |      |      |             |
|--------|--------|--------|------|--------|--------|--------|------|------|-------------|
| 3      | 128.00 | 130.15 | 3.56 | 131.15 | 147.00 | 129.65 | 280  | -    | 5-1761465-5 |
| 3      | 70.00  | 72.15  | 3.56 | 73.15  | 89.00  | 71.65  | 164  | 16   | 5-1761465-4 |
| 3      | 37.00  | 39.15  | 3.56 | 40.15  | 56.00  | 38.65  | 98   | 8    | 5-1761465-3 |
| 3      | 20.00  | 22.15  | 3.56 | 23.15  | 39.00  | 21.65  | 64   | 4    | 5-1761465-2 |
| 3      | 6.00   | 8.15   | 3.56 | 9.15   | 25.00  | 7.65   | 36   | 1    | 5-1761465-1 |
| 2      | 128.00 | 130.15 | 3.56 | 131.15 | 147.00 | 129.65 | 280  | -    | 4-1761465-5 |
| 2      | 70.00  | 72.15  | 3.56 | 73.15  | 89.00  | 71.65  | 164  | 16   | 4-1761465-4 |
| 2      | 37.00  | 39.15  | 3.56 | 40.15  | 56.00  | 38.65  | 98   | 8    | 4-1761465-3 |
| 2      | 20.00  | 22.15  | 3.56 | 23.15  | 39.00  | 21.65  | 64   | 4    | 4-1761465-2 |
| 2      | 6.00   | 8.15   | 3.56 | 9.15   | 25.00  | 7.65   | 36   | 1    | 4-1761465-1 |
| 3      | 128.00 | 130.15 | 3.10 | 131.15 | 147.00 | 129.65 | 280  | -    | 3-1761465-5 |
| 3      | 70.00  | 72.15  | 3.10 | 73.15  | 89.00  | 71.65  | 164  | 16   | 3-1761465-4 |
| 3      | 37.00  | 39.15  | 3.10 | 40.15  | 56.00  | 38.65  | 98   | 8    | 3-1761465-3 |
| 3      | 20.00  | 22.15  | 3.10 | 23.15  | 39.00  | 21.65  | 64   | 4    | 3-1761465-2 |
| 3      | 6.00   | 8.15   | 3.10 | 9.15   | 25.00  | 7.65   | 36   | 1    | 3-1761465-1 |
| 3      | 128.00 | 130.15 | 2.30 | 131.15 | 147.00 | 129.65 | 280  | -    | 2-1761465-5 |
| 3      | 70.00  | 72.15  | 2.30 | 73.15  | 89.00  | 71.65  | 164  | 16   | 2-1761465-4 |
| 3      | 37.00  | 39.15  | 2.30 | 40.15  | 56.00  | 38.65  | 98   | 8    | 2-1761465-3 |
| 3      | 20.00  | 22.15  | 2.30 | 23.15  | 39.00  | 21.65  | 64   | 4    | 2-1761465-2 |
| 3      | 6.00   | 8.15   | 2.30 | 9.15   | 25.00  | 7.65   | 36   | 1    | 2-1761465-1 |
| 2      | 128.00 | 130.15 | 3.10 | 131.15 | 147.00 | 129.65 | 280  | -    | 1-1761465-5 |
| 2      | 70.00  | 72.15  | 3.10 | 73.15  | 89.00  | 71.65  | 164  | 16   | 1-1761465-4 |
| 2      | 37.00  | 39.15  | 3.10 | 40.15  | 56.00  | 38.65  | 98   | 8    | 1-1761465-3 |
| 2      | 20.00  | 22.15  | 3.10 | 23.15  | 39.00  | 21.65  | 64   | 4    | 1-1761465-2 |
| 2      | 6.00   | 8.15   | 3.10 | 9.15   | 25.00  | 7.65   | 36   | 1    | 1-1761465-1 |
| 2      | 128.00 | 130.15 | 2.30 | 131.15 | 147.00 | 129.65 | 280  | -    | 1761465-5   |
| 2      | 70.00  | 72.15  | 2.30 | 73.15  | 89.00  | 71.65  | 164  | 16   | 1761465-4   |
| 2      | 37.00  | 39.15  | 2.30 | 40.15  | 56.00  | 38.65  | 98   | 8    | 1761465-3   |
| 2      | 20.00  | 22.15  | 2.30 | 23.15  | 39.00  | 21.65  | 64   | 4    | 1761465-2   |
| 2      | 6.00   | 8.15   | 2.30 | 9.15   | 25.00  | 7.65   | 36   | 1    | 1761465-1   |
| FINISH | N      | E      | D    | C      | B      | A      | POSN | PORT | PART NO     |

|                                                                                                                                                                                                |  |                                                                                                                                |  |                                                                                                                                     |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION<br>IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION<br>SHOULD BE CONTACTED FOR THE LATEST REVISION. |  | DWN<br>R. TREA<br>09SEP2004                                                                                                    |  |  Tyco Electronics<br>Harrisburg, PA 17105-3608 |  |
| DIMENSIONS:<br>mm                                                                                                                                                                              |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.0<br>1 PLC ±0.5<br>2 PLC ±0.13<br>3 PLC ±0.013<br>4 PLC ±.0<br>ANGLES ±° ±2° |  | NAME<br>PCI EXPRESS CARD EDGE CONNECTOR ASSEMBLY<br>RIGHT ANGLE, 5.8mm SLOT HEIGHT<br>THROUGH HOLE, ExpressModule TYPE              |  |
|                                                                                                           |  | PRODUCT SPEC<br>-<br>APPLICATION SPEC<br>-                                                                                     |  | SIZE<br>A2                                                                                                                          |  |
| MATERIAL<br>                                                                                              |  | FINISH<br>-<br>WEIGHT<br>-                                                                                                     |  | CAGE CODE<br>00779                                                                                                                  |  |
|                                                                                                                                                                                                |  | CUSTOMER DRAWING<br>-                                                                                                          |  | DRAWING NO<br>C-1761465                                                                                                             |  |
|                                                                                                                                                                                                |  |                                                                                                                                |  | RESTRICTED TO<br>-                                                                                                                  |  |
|                                                                                                                                                                                                |  |                                                                                                                                |  | SCALE<br>2:1                                                                                                                        |  |
|                                                                                                                                                                                                |  |                                                                                                                                |  | SHEET<br>1 OF 3                                                                                                                     |  |
|                                                                                                                                                                                                |  |                                                                                                                                |  | REV<br>C                                                                                                                            |  |





## ExpressModule LAYOUT (MATING PART ONLY)

- 7. DIMENSION ONLY APPLIES TO "LAST MATE" PINS.
- 8. CARD THICKNESS APPLIES ACROSS PAD SURFACES AND INCLUDES PLATING AND/OR METALIZATION.
- 9. CHAMFER EDGES MUST BE FREE OF CUTTING BURRS.
- 10. NO TIE BAR PERMITTED FROM CARD EDGE TO LEADING EDGE OF "LAST MATE" PADS.
- 11. GOLD CONTACT PADS: ELECTROLESS GOLD PLATE  
0.76 $\mu$ m MIN THICK OVER ELECTROLESS NICKEL PLATING  
2 $\mu$ m MIN THICK.
- 12. PC BOARD SUPPLIER IS RESPONSIBLE FOR MAINTAINING ALL DIMENSIONS OF PC BOARD EDGE.
- 13. FLATNESS REQUIREMENT APPLIES FROM EDGE OF PC BOARD TO TOP OF KEY

|                    |      |      |
|--------------------|------|------|
| AI,B17,B31,B48,B81 | 280  | -    |
| AI,B17,B31,B48,B81 | 164  | 16   |
| AI,B17,B31,B48     | 98   | 8    |
| AI,B17,B31         | 64   | 4    |
| AI,B17             | 36   | 1    |
| LAST MATE PINS     | POS. | PORT |

|                                                                                                                                                                                                |  |                                                                              |  |                                                                                                                                     |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION<br>IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION<br>SHOULD BE CONTACTED FOR THE LATEST REVISION. |  | DWN<br>R. TREA<br>09SEP2004                                                  |  |  Tyco Electronics<br>Harrisburg, PA 17105-3608 |               |
| DIMENSIONS:                                                                                                                                                                                    |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                    |  | NAME                                                                                                                                |               |
| mm                                                                                                                                                                                             |  | D. DEEIBAUGH<br>09SEP2004                                                    |  | PCI EXPRESS CARD EDGE CONNECTOR ASSEMBLY                                                                                            |               |
|                                                                                                           |  | 0 PLC ±<br>1 PLC ±0.5<br>2 PLC ±0.13<br>3 PLC ±0.013<br>4 PLC ±<br>ANGLES ±° |  | RIGHT ANGLE, 5.8mm SLOT HEIGHT<br>THROUGH HOLE, ExpressModule TYPE                                                                  |               |
| MATERIAL                                                                                                                                                                                       |  | APPLICATION SPEC                                                             |  | SIZE                                                                                                                                | CAGE CODE     |
| -                                                                                                                                                                                              |  | -                                                                            |  | A2                                                                                                                                  | 00779         |
| FINISH                                                                                                                                                                                         |  | WEIGHT                                                                       |  | DRAWING NO                                                                                                                          | RESTRICTED TO |
| -                                                                                                                                                                                              |  | -                                                                            |  | C-1761465                                                                                                                           | -             |
| CUSTOMER DRAWING                                                                                                                                                                               |  |                                                                              |  | SCALE                                                                                                                               | SHEET         |
|                                                                                                                                                                                                |  |                                                                              |  | 4:1                                                                                                                                 | 3 of 3        |
|                                                                                                                                                                                                |  |                                                                              |  | REV                                                                                                                                 | C             |