4

3

3

| REVISIONS       DATE         0510-0400-04       A       NEW RELEASE       IL/04/04         TERMINATION       PC TAIL LENGTH       RECOMMENDED<br>MOUNTING BOARD       MATING BOARD         1       SOLDER TAIL<br>(SHORT) $2.54$ $140$ 1.6 L0621 THICK       1.6 L0621 THICK         1       SOLDER TAIL<br>(STANDARD) $3.08$ $2.00$ $3.2$ L1253 DR THINNER       1.6 L0621 THICK         1       SOLDER TAIL<br>(STANDARD) $3.08$ $2.00$ $3.2$ L1253 DR THINNER       1.6 L0621 THICK         1       SOLDER TAIL<br>(STANDARD) $5.08$ $2.00$ $3.2$ L1253 DR THINNER       1.6 L0623 THICK         1       SOLDER TAIL<br>(STANDARD) $5.08$ $2.00$ $3.2$ L1253 DR THINNER       1.6 L0623 THICK         1       SOLDER TAIL<br>(STANDARD) $5.08$ $7.00$ $8.000$ $7.00$ $8.000$ 1       SOLDER TAIL<br>(STANDARD) $5.000$ $7.00$ $8.0000$ $7.0000$ $8.0000$ 1 $7.000000$ $7.00000000$ $7.000000000000000000000000000000000000$  | 2      |                     |       |                        |            |            | 1               |               |          |           |
|---|--------|---------------------|-------|------------------------|------------|------------|-----------------|---------------|----------|-----------|
| NONI         DRAWN         DATE         RECOMMENDED<br>MOUNTING BDARD         MATING BUARD           1         SOLDER TAIL<br>(SHORT)         254   |        |                     |       |                        |            | REV        | ISIONS          |               |          |           |
| Image: Normal system       DRAWN       DATE (SHORT)       Image: Normal system       The system       The system       The system       Image: Normal system       The system<  |        | EC                  | REV   |                        |            | DESC       | RIPTION         |               |          | DATE      |
| INCH       DRAWN<br>(SHURT)       DATE<br>2:34       If is an information in the information info | 0S1    | Q-0400-04           | Α     | NEW REI                | LEASE      |            |                 |               | 11       | /04/04    |
| INCH       DRAWN<br>(SHURT)       DATE<br>2:34       If is an information in the information info | -T-    |                     |       |                        |            |            |                 |               |          | _         |
| I       (SHORT)       2:53       [.io]       1.6       LUG2)       HILK       1.6       LUG2)       HILK         II       SDLDER TAIL<br>(STANDARD)       508       [.200]       3.2       L1253       DR THINNER       1.6       L0623       THICK         II       SDLDER TAIL<br>(STANDARD)       508       [.200]       3.2       L1253       DR THINNER       1.6       L0623       THICK         II       SDLDER TAIL<br>(STANDARD)       508       [.200]       3.2       L1253       DR THINNER       1.6       L0623       THICK         II       R.F. A.       11/04/04       II       III       III       IIII       IIII       IIII       IIII       IIII       IIII       IIII       IIII       IIII       IIIII       IIIII       SOCKET CONNECTOR, CROWN EDGE<br>4. POSN POWER, STRAIGHT, SOLDER<br>PN: 287-0032-12101/287-0032-12301       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII   |        | TERMINATION<br>TYPE | PC    | C TAIL L               | ENGTH      |            |                 | MATING        | 5 BOARD  | E         |
| $\begin{array}{ c c c c c c c c c c c c c c c c c c c$  | 1      |                     |       | 3.56 [ .1<br>2.54 [ .1 | 140<br>100 | 1.6 E.OE   | 52) THICK       | 1.6 E.06      | 52) THIC | <         |
| R. F. A.       11/04/04       Tyco Electronics Corporation Menlo Park, Ca 94025         ECTION       Electronics       Tyco Electronics Corporation Menlo Park, Ca 94025         ECONS       APPROVED       TITLE         APPROVED       SOCKET CONNECTOR, CROWN EDGE         APPROVED       PN: 287-0032-12101/287-0032-12301         5'       D. CHAU       11/04/04         SIZE       DWG NUMBER       REV.         I.otop       Acad File NUMBER       C6650380A.DWG       DWG SCALE       2=1       SH 1 OF 5   | 01     |                     |       | 5.08 [ .:<br>4.06 [ .: | 200<br>160 | 3.2 [.125] | ] OR THINNER    | 2 1.6 E.OE    | 52) THIC | к         |
| Image: Checked       Image: Checked       Image: Checked       Image: Checked         ections<br>ons<br>ons<br>ons<br>intes]       APPROVED       Title       SOCKET CONNECTOR, CROWN EDGE<br>4 POSN POWER, STRAIGHT, SOLDER         APPROVED       PN: 287-0032-12101/287-0032-12301         5'       D. CHAU       11/04/04         DCA APPROVED       Size       DWG NUMBER         [.010]       M. ALIM       11/08/04         [.020]       ACAD FILE NUMBER       C6650380A.DWG  |        |                     |       |                        |            | tyco       | _ Tyco Electron | ics Corporati | on [3[]  | -<br>2017 |
| APPROVED       PN: $287-0032-12101/287-0032-12301$ 5'       D. CHAU       11/04/04       SIZE       DWG NUMBER       REV.         [.010]       M. ALIM       11/08/04       D       C = 6650380       A         [.020]       ACAD FILE NUMBER       C6650380A.DWG       DWG SCALE       2=1       SH 1 OF 5   | ECTION | CHECKED             |       |                        |            | e<br>SOCKE | T CONNEC        | TOR, CF       | ROWN     | EDGE      |
| D. CHAU11/04/04SizeDWG NUMBERREV.DCA APPROVED $11/08/04$ $\bigcirc$ <td>6</td> <td></td> <td></td> <td></td> <td></td> <td>l: 287–</td> <td>0032-12</td> <td></td> <td></td> <td>2-12301</td>   | 6      |                     |       |                        |            | l: 287–    | 0032-12         |               |          | 2-12301   |
| [.020] ACAD FILE NUMBER C6650380A.DWG DWG SCALE 2=1 SH 1 OF 5   |        | DCA APPROVE         | ED    |                        |            | E DWG NUN  | _               | 650380        |          |           |
|   |        |                     | UMBER |                        |            | -  <br>;   | _               |               |          | SH 1 ОF 5 |
|   | 2      | ļ                   |       |                        |            |            | 1               | SHO CONLL     |          |           |

|           |                     |  | 2  |     |   |   |                                     |  |
|-----------|---------------------|--|--|-----|---|---|-------------------------------------|--|
|           |                     |  |  |     |   | REVISIONS   |                                     | <b>D</b> / <b></b>                         |
|           |                     |  | EC   | REV |   | DESCRIPTION   |                                     | DATE                                       |
|           |                     |  | 0S1Q-0400-04   | A   | NEW RELEASE   |   |                                     | 11/04/04                                   |
| PART NUM! | BER INFORMATIO      | JN   |  |     |   |   |                                     |  |
| CONNECTOR | TYCD<br>PART NUMBER | ELCON<br>PART NUMBER   | TERMINATION<br>TYPE  | P   | PC TAIL LENGTH                                      | RECOMMENDED<br>MOUNTING BOARD   | MATING BOA                          | ARD  |
| SOCKET    | 6650380-1           | 287-0032-12101   | SOLDER TAI<br>(SHORT)  | L   | 3.56 [ .140<br>2.54 [ .100]                         | 1.6 [.062] THICK  | 1.6 [.062] TI                       | HICK                                       |
| SOCKET    | 6650380-2           | 287-0032-12301   | SOLDER TAI<br>(STANDARD)   |     | 5.08 [ .200<br>4.06 [ .160]                         | 3.2 [.125] OR THINNER   | 1.6 [.062] T                        | HICK                                       |
|           |                     |  |  |     |   |   |                                     |  |
|           |                     |  |  |     |   |   |                                     |  |
|           |                     | THIRD ANGLE PROJECT  | R. F. A.<br>CHECKED  |     | DATE<br>11/04/04<br>TIT                             | LE  | s Corporation<br>Ca 94025           |  |
|           |                     | THIRD ANGLE PROJECT<br>UNLESS OTHERWISE<br>SPECIFIED DIMENSION<br>ARE IN METRIC [INCHE<br>TOLERANCES   | R. F. A.<br>CHECKED<br>APPROVED<br>APPROVED                          |     | 11/04/04<br><br><br>Р                               | Electronics Menlo Park,<br>LE<br>SOCKET CONNECT<br>4 POSN POWER, S<br>N: 287–0032–1210                            | OR, CROWI<br>STRAIGHT,              | N EDGE<br>SOLDER                           |
|           |                     | THIRD ANGLE PROJECT<br>UNLESS OTHERWISE<br>SPECIFIED DIMENSION<br>ARE IN METRIC [INCHE<br>TOLERANCES<br>ANGLES ± .5*<br>DECIMALS                 | R. F. A.<br>CHECKED<br>IS APPROVED                                   | /ED | <u>11/04/04</u><br>Тіт                              | Electronics<br>Menlo Park,<br>Menlo Park,<br>Menlo Park,<br>Menlo Park,<br>LE<br>SOCKET CONNECT<br>4 POSN POWER,  | OR, CROWI<br>STRAIGHT,<br>D1/287-00 | N EDGE<br>SOLDER                           |
|           |                     | THIRD ANGLE PROJECT<br>UNLESS OTHERWISE<br>SPECIFIED DIMENSION<br>ARE IN METRIC [INCHE<br>TOLERANCES<br>ANGLES ± .5*<br>DECIMALS<br>.XX ± .25 [. | R. F. A.<br>CHECKED<br>APPROVED<br>APPROVED<br>D. CHAU<br>DCA APPROV |     | 11/04/04<br>TIT<br>11/04/04<br>11/04/04<br>11/08/04 | Electronics Menlo Park,<br>LE<br>SOCKET CONNECT<br>4 POSN POWER, S<br>N: 287–0032–1210<br>ZE DWG NUMBER<br>C = 66 | OR, CROWI<br>STRAIGHT,<br>D1/287-00 | N EDGE<br>SOLDER<br>032–12301<br>REV.<br>A |

NOTES: UNLESS OTHERWISE SPECIFIED;

1. PART NUMBER CHANGES AND DR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIDR ELCON APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.

2. MATERIALS:

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INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR-BLACK, UL94∨-0 FLAMMABILITY RATED.

CONTACTS: PHOSPHOR-BRONZE ALLOY.

3. FINISHES:

CONTACTS: SELECTIVE GOLD PLATED PER MIL-G-45204 TYPE II, GRADE C, CLASS 0. 000030" MIN. THK, DVER NICKEL PER QQ-N-290, CLASS 2, .000040" MIN. THICKNESS.

TERMINALS: TIN PLATED, MATTE FINISH, .000120" TO .000170" THICK.

SUCKETS ACCEPT 1.6 [.062] ± 10% THK PC BUARD. /4\

∕₅∖ EXAMPLE PCB CONFIGURATION SHOWING SEQUENCING.

A THIS 2 X 2 SEGMENT CONFIGURATION SHOWN IS FOR REFERENCE ONLY. COMBINATION OF MULTIPLE NUMBERS OF 2 AND 3 SEGMENT MODULES COULD BE USED PER USER PREFERENCE, OVERALL COMBINATION SHOULD NOT EXCEED 8" IN LENGTH.

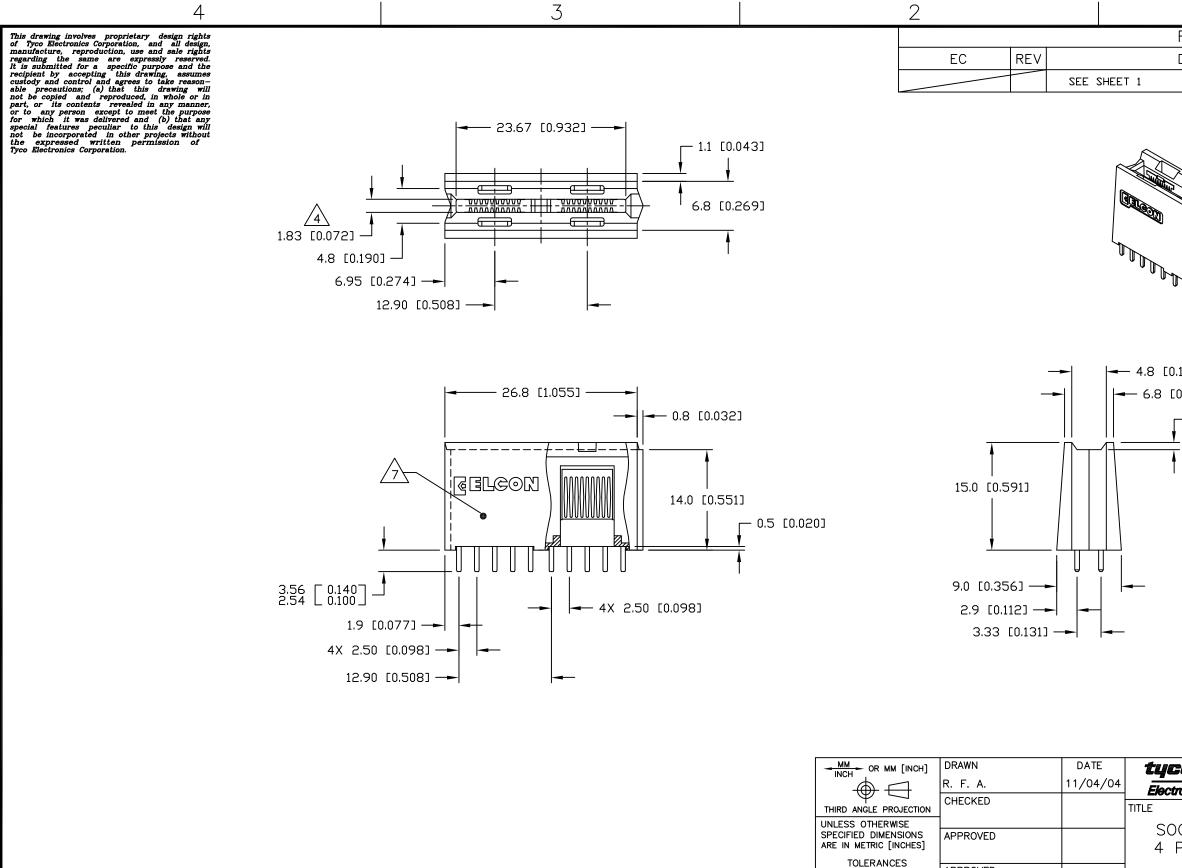
/7 ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:

ELCON PART NO. & REV DATE CODE (e.g. 0107)

Α

В

| xxx-xxxx-xxxxx [ ] |



2

.XX ± .25 [.010] M. ALIM

ANGLES ± .5\*

DECIMALS

APPROVED

DCA APPROVED

11/04/04 SIZE

C6650380A.DWG

11/08/04

В

D. CHAU

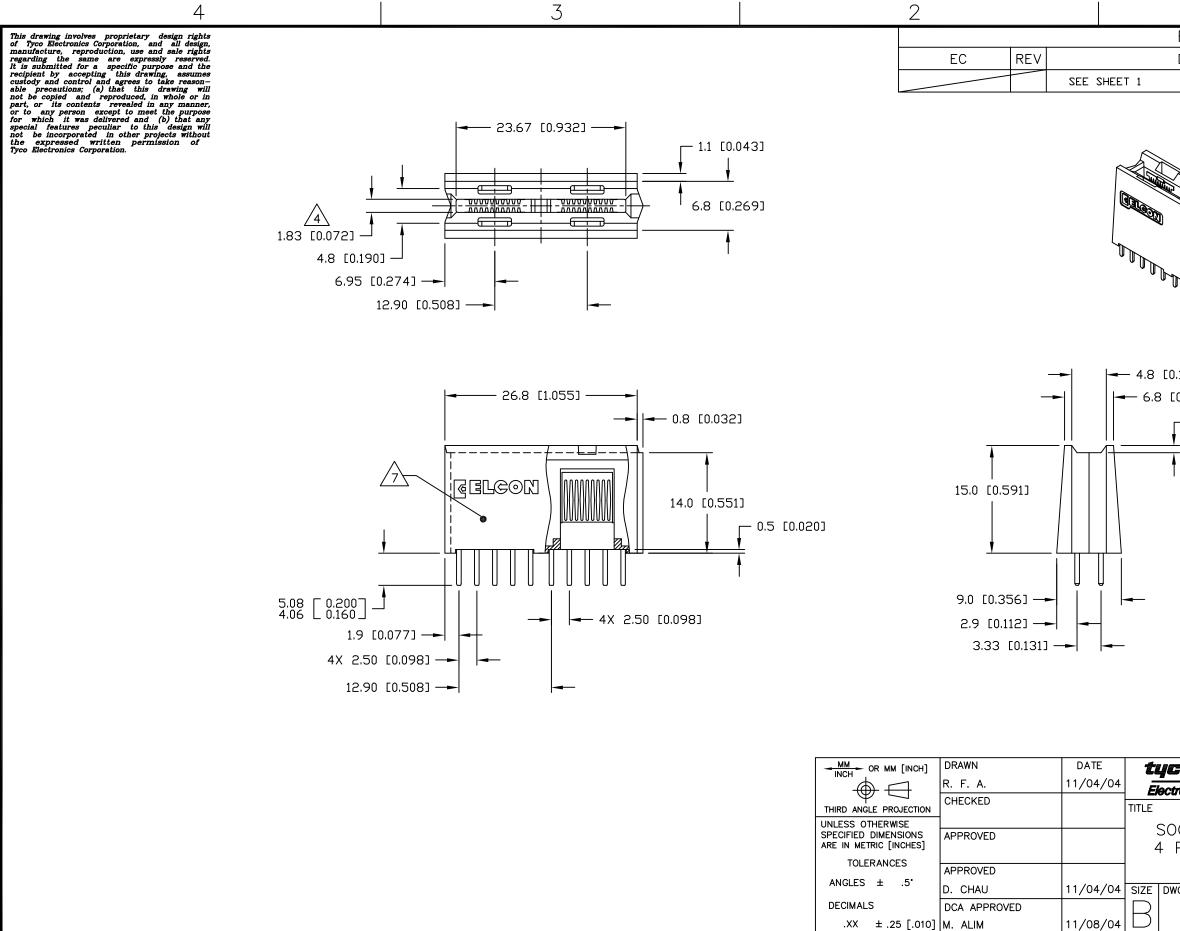
.X ± .5 [.020] ACAD FILE NUMBER

4

В

3

| 1   |                                       |              |                         |   |
|---|---------------------------------------|--------------|-------------------------|---|
| REVISIONS   |                                       |              |                         |   |
| DESCRIPTION   |                                       | C            | ATE                     |   |
|   |                                       |              |                         |   |
| [0.190]<br>B [0.269]<br>I 10 [0.039]  |                                       |              |                         | В |
| Tyco Electronics Co<br>Kectronics Tyco Electronics Co<br>Menio Park, Ca<br>SOCKET CONNECTOR<br>4 POSN POWER, STI<br>PN: 287–003<br>DWG NUMBER<br>C = 6650 | 2, CROWI<br>RAIGHT,<br>2–1210<br>0380 | N ED<br>Sold | DGE<br>DER<br>Rev.<br>A | A |
| DWG   | scale 2=                              | =1 sH        | 12 OF 5                 |   |
| 1   |                                       |              |                         |   |



.XX ± .25 [.010] M. ALIM

2

.X ± .5 [.020] ACAD FILE NUMBER

11/08/04

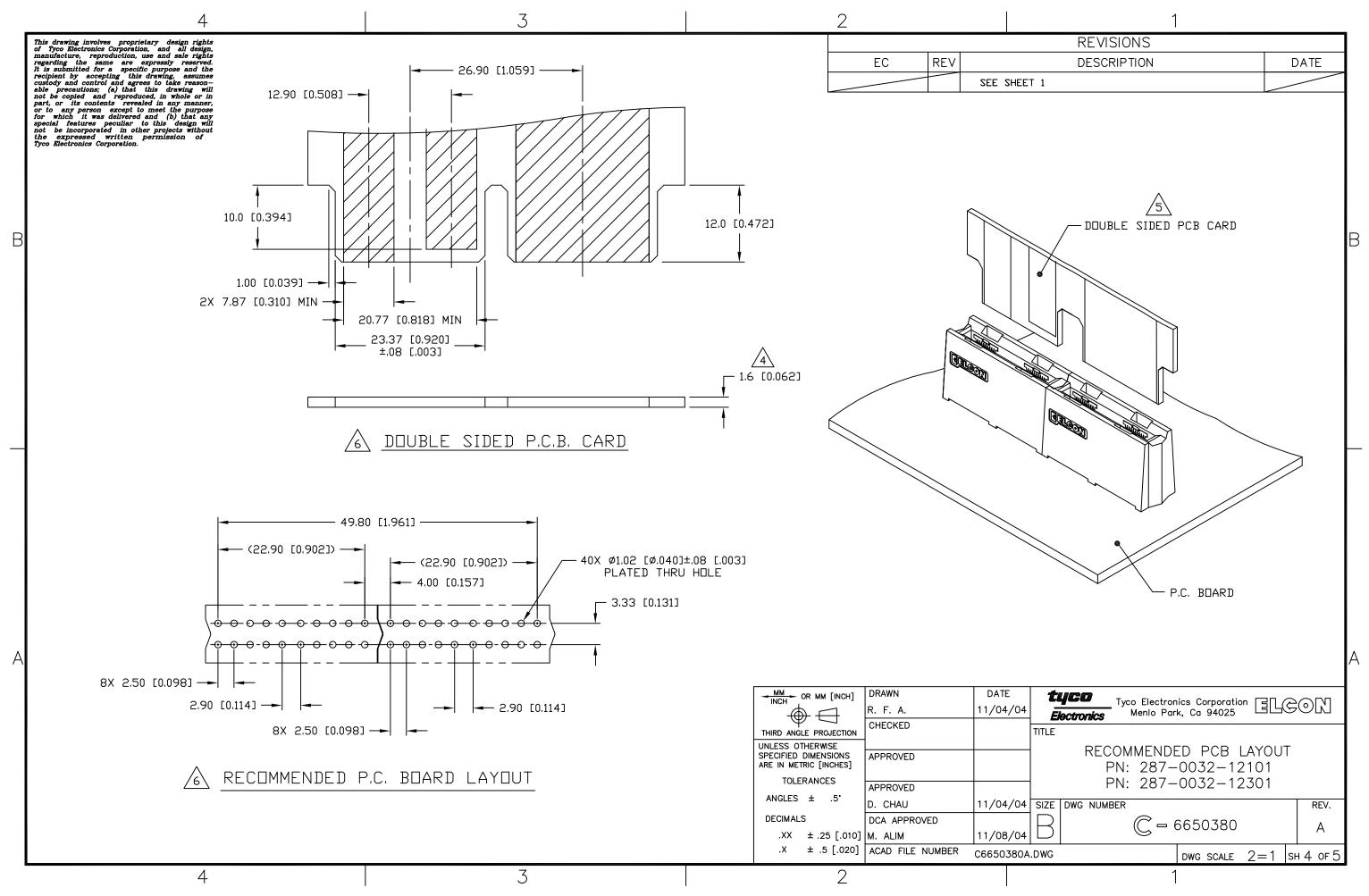
C6650380A.DWG

4

В

3

| 1   |              |         |   |
|---|--------------|---------|---|
| REVISIONS   |              |         |   |
| DESCRIPTION   | D            | ATE     |   |
|   |              |         |   |
| [0.190]<br>B [0.269]  |              |         | В |
| YCO<br>Kectronics<br>Tyco Electronics Corporation<br>Menio Park, Ca 94025<br>SOCKET CONNECTOR, CROWN<br>4 POSN POWER, STRAIGHT,<br>PN: 287-0032-1230<br>DWG NUMBER<br>C = 6650380 | N EC<br>Sole | GE      | A |
| dwg scale 2=  | :1 SH        | 13 OF 5 |   |
| 1   |              |         |   |



| _ | 4  | 3   | 2                            |   |             | 1  |                           |
|---|--|---|------------------------------|---|-------------|--|---------------------------|
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|   | recipient by accepting this drawing, assumes<br>custody and control and agrees to take reason-<br>able precautions: (a) that this drawing will   |   |                              |   | SEE SHEET 1 |  |                           |
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|   | P.C. BD4   | ARD   | P.C. BOARD-<br>SURFACE (REF) |   |             |  |                           |
|   | SURFACE  | (REF) 5.08  |                              |   |             |  |                           |
| В | 3.56 [.140]-<br>2.54 [.100]-   |   |                              |   |             |  | В                         |
|   | SOLI   | DER PIN DETAIL  | SOLDER PIN                   | πετάτι  |             |  |                           |
|   |  |   |                              |   |             |  |                           |
|   |  |   |                              |   |             |  |                           |
| _ |  |   |                              |   |             |  |                           |
| А | FINISHED HOLE: Ø1.02<br>DRILLED HOLE: Ø1.15<br>COPPER PLATE: .025  | PRINTED CIRCUIT Hole         [.040] ±.08 [.003]         [.0453] ±.013 [.0005]         [.0010] MINIMUM (PER SURFACE)         [.0003] MINIMUM (PER SURFACE) |                              | R. F. A.  |             | <b>Tyco</b> Electronics Corporation  | A                         |
|   |  |   | 1                            | CHECKED CHECKED APPROVED APPROVED D. CHAU DCA APPROVED IO] M. ALIM ACAD FILE NUMBER |             | E<br>SOCKET CONNECTOR, CROWN<br>USER INFORMATION<br>SOLDER TAIL TERMINATION<br>E DWG NUMBER<br>C = 6650380 | N EDGE<br>ON<br>REV.<br>A |
| _ | 4  | 3   | 2                            |   |             | 1  |                           |

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TE Connectivity: 6650380-1