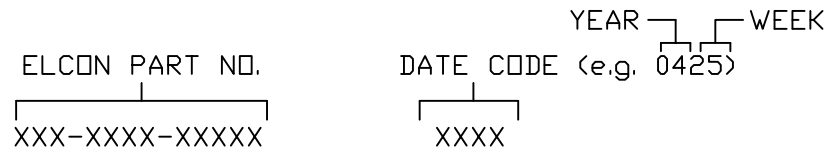


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REVISIONS

| EC | REV | DESCRIPTION | DATE |
|--------------|-----|-------------|----------|
| 0S1Q-0242-04 | A | NEW RELEASE | 06/25/04 |

8. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:



7. RECOMMENDED PRESSING FIXTURE:
FIX00058 FOR COMPLIANT APPLICATION IS AVAILABLE.
PLEASE CONSULT FACTORY.

6. EXAMPLE PCB CONFIGURATION.

5. THIS CONFIGURATION WITH 2-SEGMENT POWER CONNECTOR IS SHOWN FOR REFERENCE ONLY. COMBINATION OF MULTIPLE NUMBERS OF 2 AND 3 SEGMENT MODULES COULD BE USED PER USER PREFERENCE. OVERALL COMBINATION SHOULD NOT EXCEED 8.0" IN LENGTH.

4. SOCKETS ACCEPT 1.6 [0.062] ± 10% THICK PC BOARD.

3. FINISHES:

CONTACTS: SELECTIVE GOLD PER MIL-G-45204,
.000030" MIN. THK,
OVER NICKEL PER QQ-N-290

TERMINALS: SELECTIVE TIN PER ASTM B-545,
OVER NICKEL PER QQ-N-290

2. MATERIALS:

INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR-BLACK
UL94V-0 FLAMMABILITY RATED.

POWER CONTACTS: COPPER ALLOY

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

NOTES: UNLESS OTHERWISE SPECIFIED;

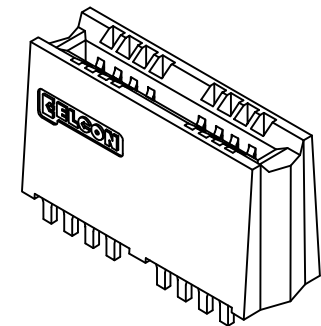
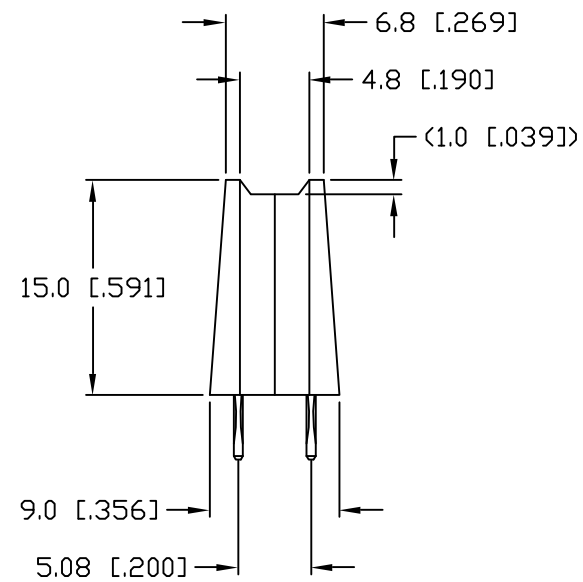
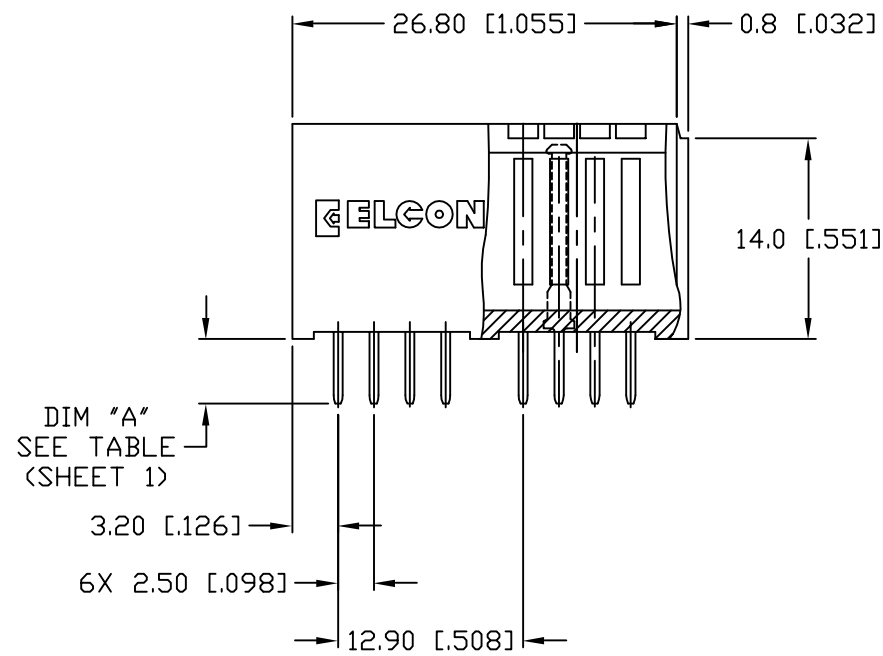
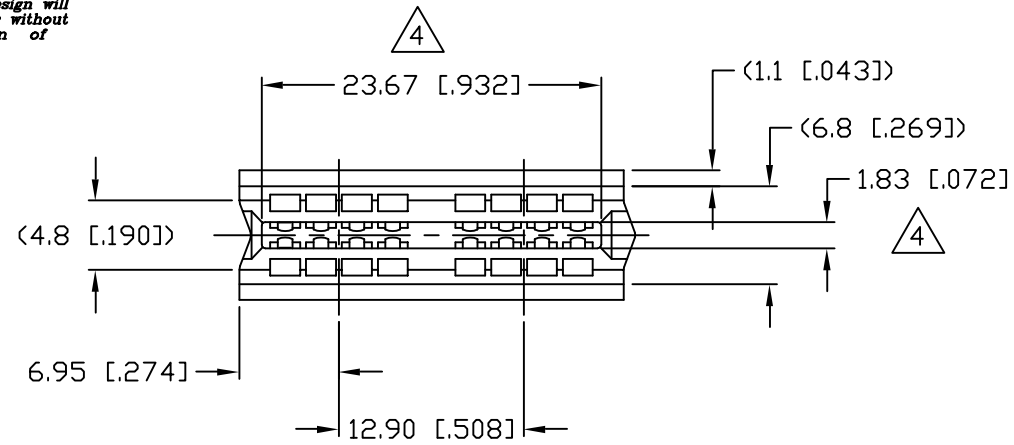
9. PART NUMBER INFORMATION

| CONNECTOR | REFERENCE TYCO PN | ELCON PART NUMBER | TERMINATION TYPE | PC TAIL LENGTH DIM "A" | RECOMMENDED MOUNTING BOARD | MATING BOARD |
|-----------|-------------------|-------------------|------------------------|----------------------------|----------------------------|------------------|
| SOCKET | 6650534-2 | 287-0022-12100 | SOLDER TAIL (SHORT) | 3.56 [.140] 2.54 [.100] | 1.6 [.062] THICK | 1.6 [.062] THICK |
| SOCKET | 6650534-3 | 287-0022-12300 | SOLDER TAIL (STANDARD) | 5.08 [.200] 4.06 [.160] | 3.2 [.125] OR THINNER | 1.6 [.062] THICK |
| SOCKET | 6650534-1 | 287-0022-11300 | COMPLIANT TAIL | 5.08 [.200] 4.06 [.160] | 2.3 [.093] OR THICKER | 1.6 [.062] THICK |

| | | | | | |
|---|------------------------------------|-------------------------------|-----------------------------|--|--------------------------------------|
| <p>THIRD ANGLE PROJECTION</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</p> <p>TOLERANCES</p> <p>ANGLES ± .5°</p> <p>DECIMALS</p> <p>.XX ± .25 [.010]</p> <p>.X ± .5 [.020]</p> | <p>MM OR MM [INCH]</p> <p>INCH</p> | <p>DRAWN</p> <p>HA NGUYEN</p> | <p>DATE</p> <p>06/24/04</p> | <p>tyco Tyco Electronics Corporation ELCON Menlo Park, Ca 94025</p> | |
| | <p>CHECKED</p> | <p>APPROVED</p> | <p>APPROVED</p> | <p>TITLE</p> <p>SOCKET CONNECTOR, CROWNEDGE PN: 287-0022-12100/287-0022-12300 PN: 287-0022-11300</p> | |
| <p>D. CHAU</p> | <p>06/25/04</p> | <p>M. ALIM</p> | <p>07/21/04</p> | <p>SIZE</p> <p>B</p> | <p>DWG NUMBER</p> <p>C = 6650534</p> |
| <p>ACAD FILE NUMBER</p> <p>C6650534A.DWG</p> | <p>DWG SCALE</p> <p>2=1</p> | <p>SH</p> <p>1 OF 5</p> | <p>REV.</p> <p>A</p> | | |

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| REVISIONS | | | |
|-----------|-----|-------------|------|
| EC | REV | DESCRIPTION | DATE |
| | | SEE SHEET 1 | |



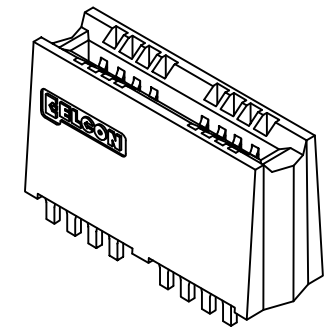
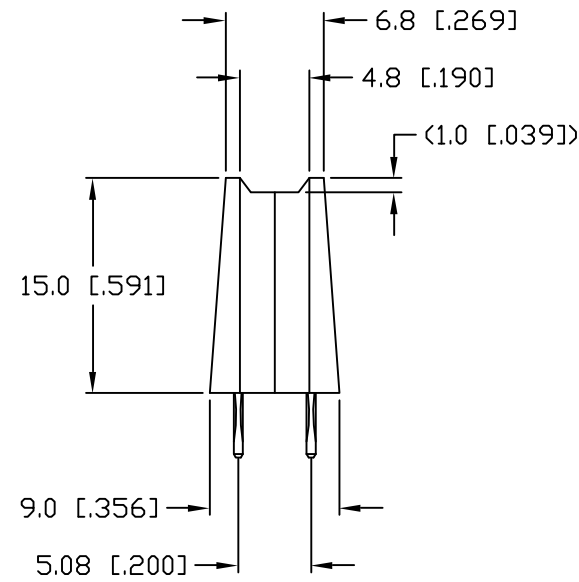
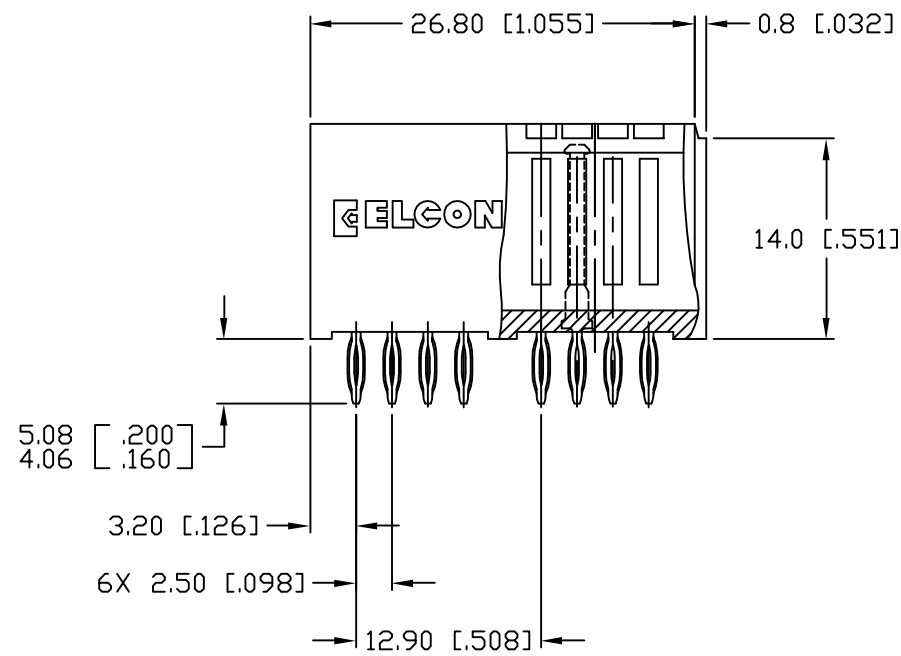
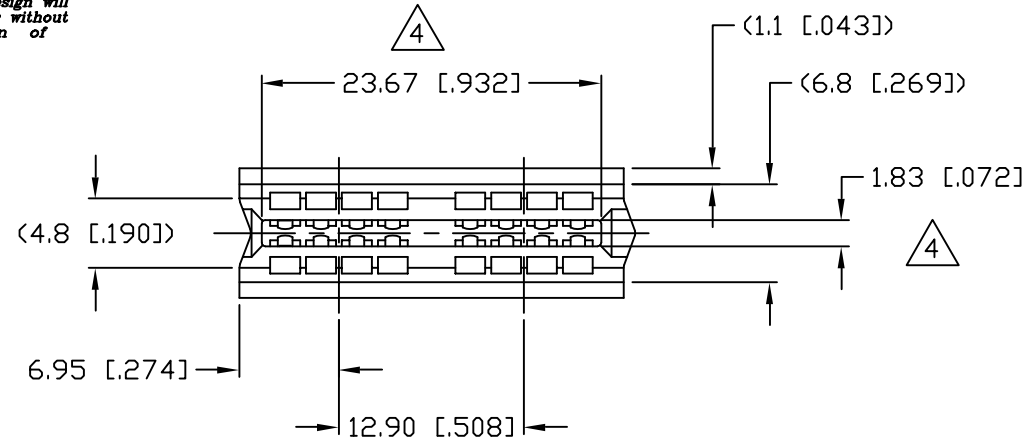
DIM "A"
SEE TABLE
(SHEET 1)

| | | | | |
|---|--------------------|---------------------|--|---|
| ← MM OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020] | DRAWN HA NGUYEN | DATE 06/24/04 | Tyco Electronics Corporation Menlo Park, Ca 94025 | |
| | CHECKED | APPROVED | | TITLE SOCKET CONNECTOR, CROWNEDGE STRAIGHT, 2 SEG, 16 SIGNAL, SOLDER PN: 287-0022-12100/287-0022-12300 |
| | APPROVED | APPROVED D. CHAU | 06/25/04 | SIZE DWG NUMBER B C = 6650534 |
| | M. ALIM | 07/21/04 | ACAD FILE NUMBER C6650534A.DWG | REV. A |
| | | | DWG SCALE 2=1 SH 2 OF 5 | |

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REVISIONS

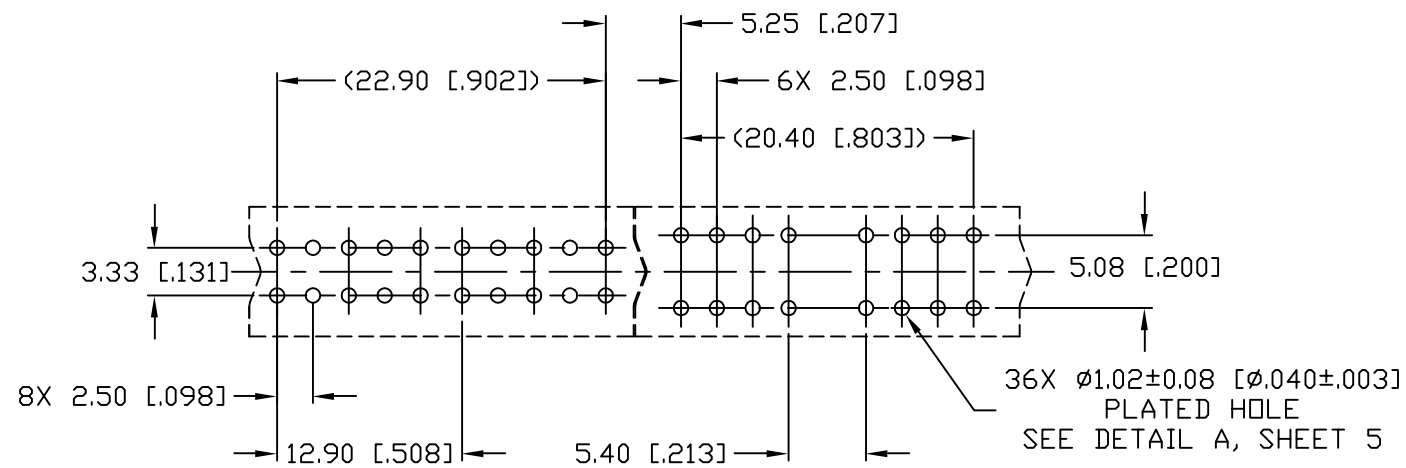
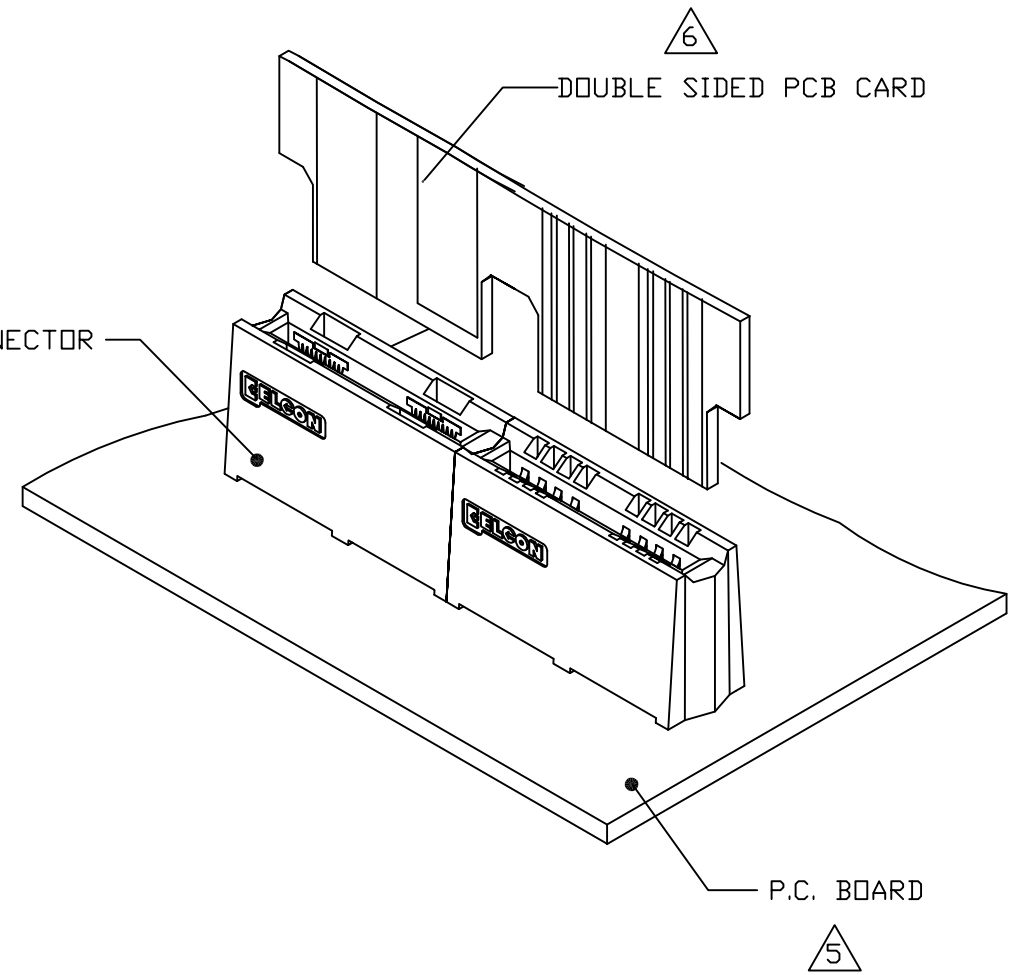
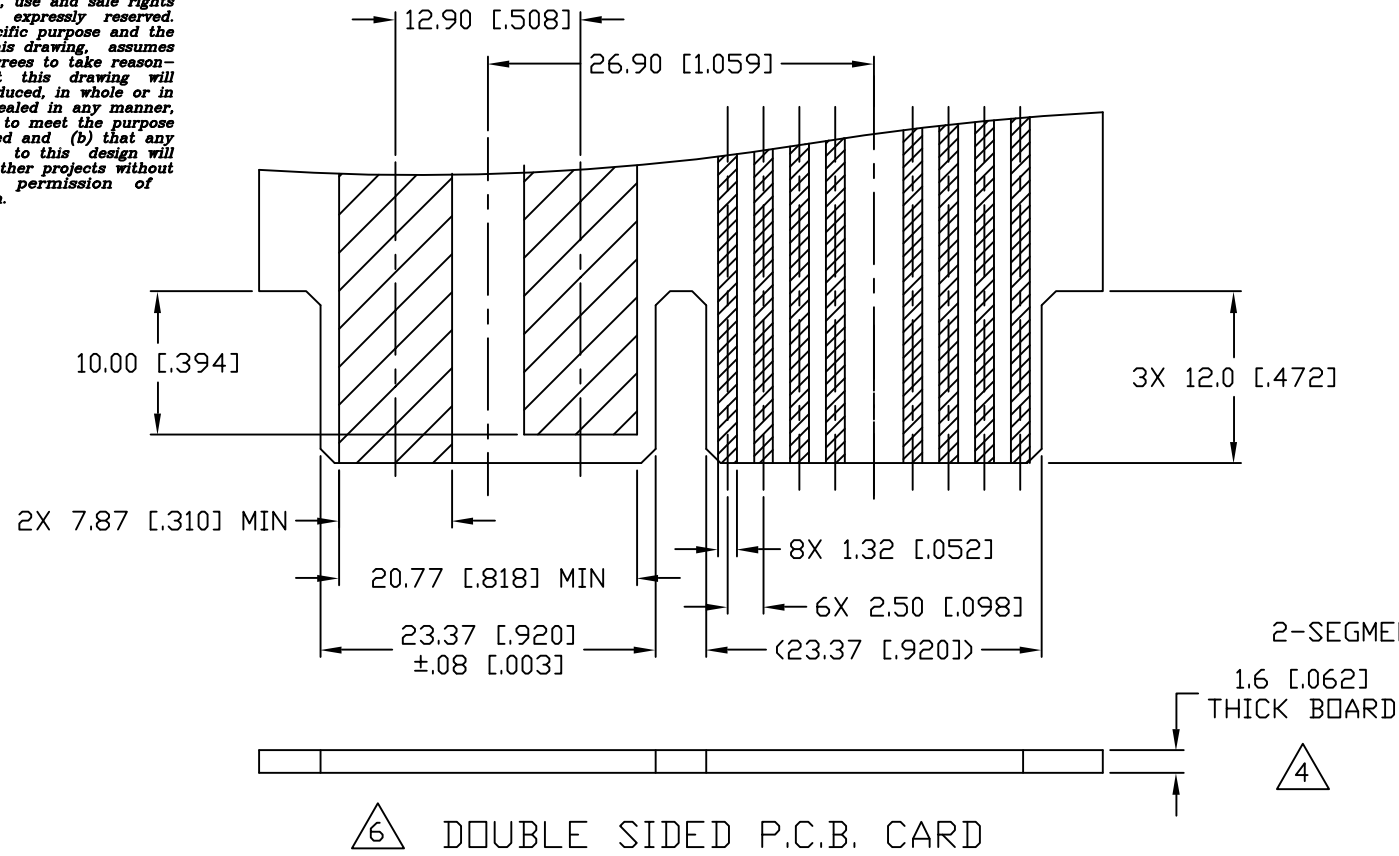
| EC | REV | DESCRIPTION | DATE |
|----|-----|-------------|------|
| | | SEE SHEET 1 | |



| | | | | |
|--|--|--|--|-----------------------------|
| <p>← MM OR MM [INCH]</p> <p>THIRD ANGLE PROJECTION</p> <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</p> <p>TOLERANCES</p> <p>ANGLES ± .5°</p> <p>DECIMALS</p> <p>.XX ± .25 [.010]</p> <p>.X ± .5 [.020]</p> | <p>DRAWN</p> <p>HA NGUYEN</p> | <p>DATE</p> <p>06/24/04</p> | <p>tyco Tyco Electronics Corporation ELCON</p> <p>Menlo Park, Ca 94025</p> | |
| | <p>CHECKED</p> | | | |
| | <p>APPROVED</p> | | <p>TITLE</p> <p>SOCKET CONNECTOR, CROWNEDGE STRAIGHT, 2 SEG, 16 SIGNAL, COMPLIANT PN: 287-0022-11300</p> | |
| | <p>APPROVED</p> <p>D. CHAU</p> <p>06/25/04</p> | | | |
| | <p>DCA APPROVED</p> <p>M. ALIM</p> <p>07/21/04</p> | <p>ACAD FILE NUMBER</p> <p>C6650534A.DWG</p> | <p>SIZE DWG NUMBER</p> <p>B C = 6650534</p> | <p>REV.</p> <p>A</p> |
| | | | <p>DWG SCALE</p> <p>2=1</p> | <p>SH 3 OF 5</p> |

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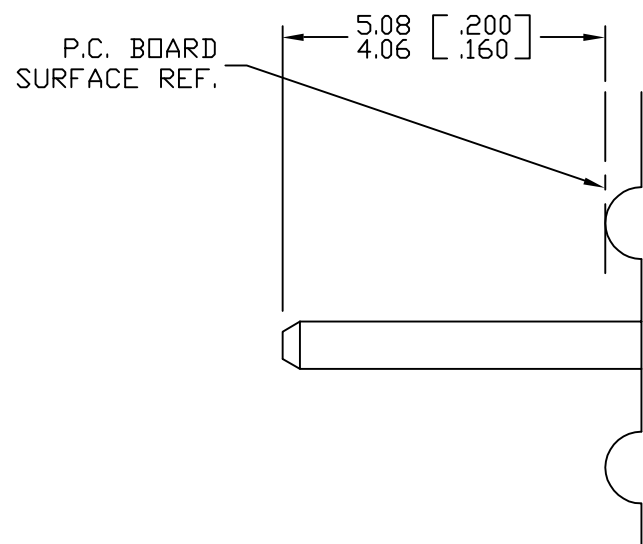
| REVISIONS | | | |
|-----------|-----|-------------|------|
| EC | REV | DESCRIPTION | DATE |
| | | SEE SHEET 1 | |



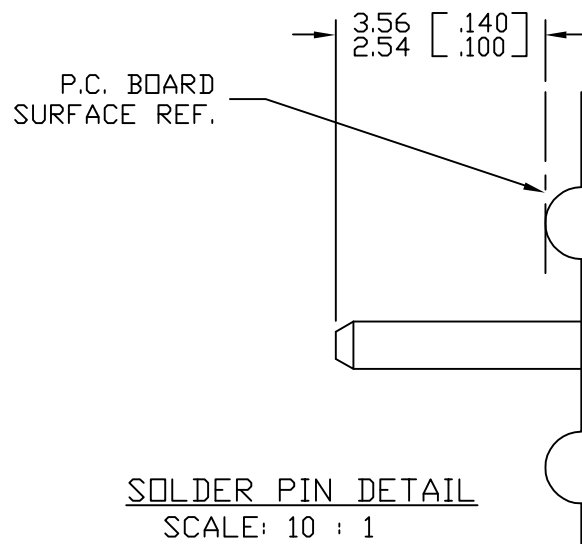
| | | | | | |
|---|--|------------------------------|--|---|---------------------------|
| ← MM INCH → OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020] | DRAWN HA NGUYEN CHECKED | DATE 06/24/04 | Tyco Electronics Corporation Menlo Park, Ca 94025 | TITLE USER INFORMATION RECOMMENDED PC BOARD LAYOUT CROWNEDGE | |
| | APPROVED APPROVED D. CHAU DCA APPROVED M. ALIM | DATE 06/25/04 07/21/04 | | SIZE B | DWG NUMBER C = 6650534 |
| ACAD FILE NUMBER C6650534A.DWG | | | DWG SCALE 2=1 | SH 4 OF 5 | |

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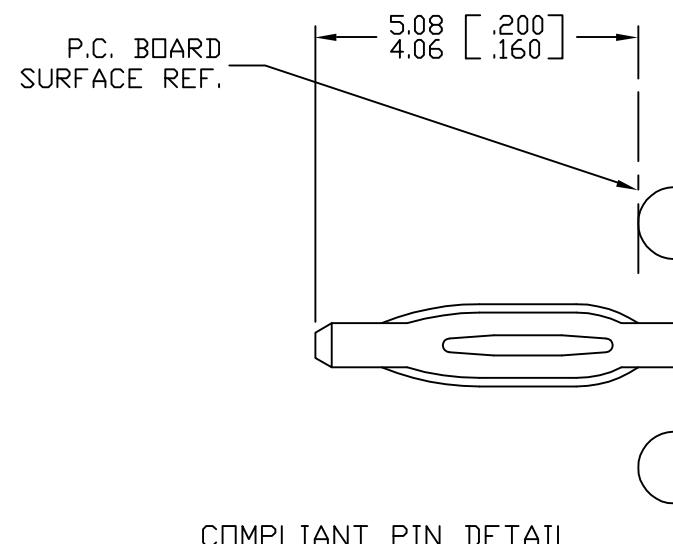
| REVISIONS | | | |
|-----------|-----|-------------|------|
| EC | REV | DESCRIPTION | DATE |
| | | SEE SHEET 1 | |



SOLDER PIN DETAIL
SCALE: 10 : 1



SOLDER PIN DETAIL
SCALE: 10 : 1



COMPLIANT PIN DETAIL
SCALE: 10 : 1

INSERTION/EXTRACTION FORCES
MAXIMUM PUSH IN: 133.3N PER PIN
[30 LBS]
MINIMUM PUSH OUT: 44.4N PER PIN
[10 LBS]

RECOMMENDED PRINTED CIRCUIT HOLE
SOLDER OR COMPLIANT PRESS FIT
FINISHED HOLE: $\phi 1.02$ [.040] $\pm .08$ [.003]
DRILLED HOLE: $\phi 1.15$ [.0453] $\pm .013$ [.0005]
COPPER PLATE: .025 [.0010] MINIMUM (PER SURFACE)
TIN PLATE: .008 [.0003] MINIMUM (PER SURFACE)

DETAIL A

| | | | |
|--|--|----------------------------------|--|
| ← MM INCH → OR MM [INCH] THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES $\pm .5^\circ$ DECIMALS .XX $\pm .25$ [.010] .X $\pm .5$ [.020] | DRAWN HA NGUYEN CHECKED | DATE 06/24/04 | Tyco Electronics Corporation Menlo Park, Ca 94025 |
| | APPROVED D. CHAU DCA APPROVED M. ALIM | DATE 06/25/04 07/21/04 | |
| ACAD FILE NUMBER C6650534A.DWG | | SIZE DWG NUMBER B C = 6650534 | REV. A |
| DWG SCALE 2=1 SH 5 OF 5 | | | |