

4

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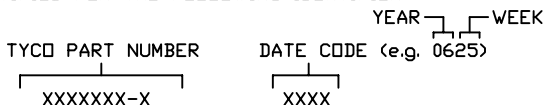
| REVISIONS | | | |
|-----------|-----|-------------|----------|
| EC | REV | DESCRIPTION | DATE |
| CPR | A | NEW RELEASE | 05/30/06 |

NOTES: UNLESS OTHERWISE SPECIFIED;

- PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR TYCO APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
- MATERIALS:
INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR-BLACK UL94V-0 FLAMMABILITY RATED.
COMPLIANT PRESS FIT: COPPER ALLOY

- FINISHES:
CONTACTS: SELECTIVE GOLD PLATED, .000030" MIN THICK OVER NICKEL PLATED, .000050" MIN THICK.
TERMINALS: TIN PLATED, .000040" MIN THICK OVER NICKEL PLATED, .000050" MIN THICK.

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

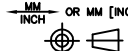




5. CONNECTOR INFORMATION

| CONNECTOR | CONTACT | QTY | PIN/BLADE SIZE | MAX CURRENT (PER CONTACT) | CONTACT SPACING | VOLTAGE RATING* |
|-----------|------------|-----|------------------------------|---------------------------|-----------------|-----------------|
| SOCKET | DC POWER 1 | 3 | 1.25 X 7.00 [.049 X .276] | 35 AMPERES | 4.50 [1.771] | 125 VOLTS |

*IAW IEC-950

| | |
|-------------|-------------|
| 1766976-1 | AS SHOWN |
| PART NUMBER | DESCRIPTION |

| | | | | | |
|---|-------------------|------------------|--|---|--|
|  THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES ± .5° DECIMALS .XX ± .25 [.010] .X ± .5 [.020] | DRAWN R. F. A. | DATE 11/15/05 |  Tyco Electronics Corporation Menlo Park, Ca 94025 |  | |
| | CHECKED | | | | TITLE CONNECTOR, SOCKET STRAIGHT, COMPLIANT PRESS FIT MINIPAK |
| | APPROVED | | APPROVED | SIZE B | DWG NUMBER C = 1766976 |
| | STEVE FLICKINGER | 05/30/06 | HA NGUYEN | 05/30/06 | REV. A |
| ACAD FILE NUMBER C1766976A.DWG | | DWG SCALE 2=1 | | SH 1 OF 3 | |

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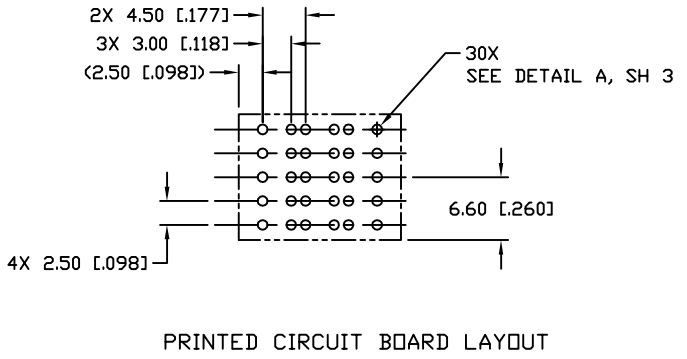
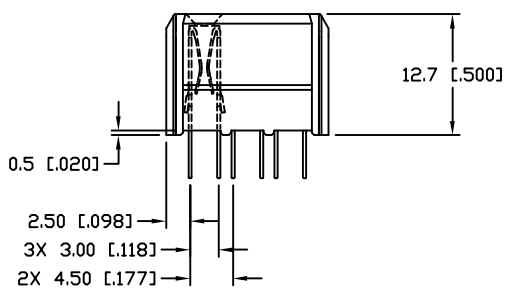
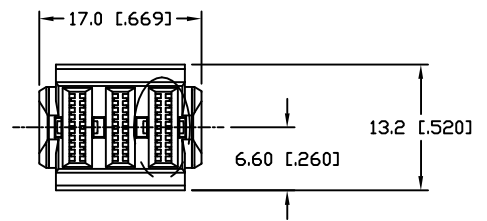
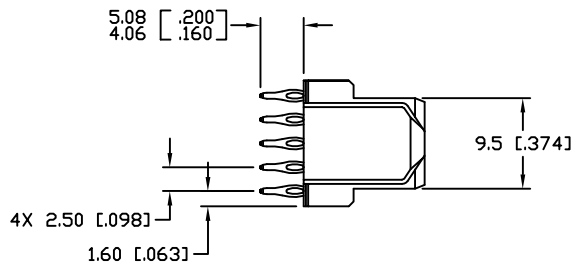
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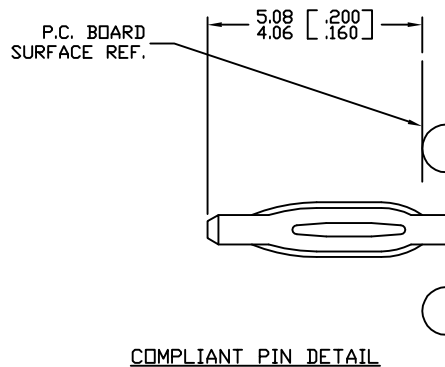
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| REVISIONS | | | |
|-----------|-----|-------------|------|
| EC | REV | DESCRIPTION | DATE |
| | | SEE SHEET 1 | |



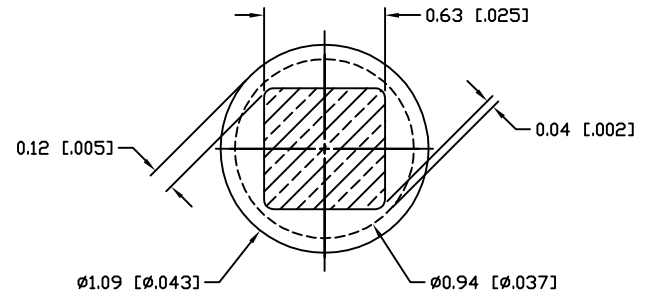
| | | | | | |
|--|---|--|--|---|-----------------------------|
| <small>MM OR MM [INCH]</small> <small>INCH</small> <small>THIRD ANGLE PROJECTION</small> <small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</small> <small>TOLERANCES</small> <small>ANGLES ± .5°</small> <small>DECIMALS</small> <small>.XX ± .25 [.010]</small> <small>.X ± .5 [.020]</small> | <small>DRAWN</small> R. F. A. | <small>DATE</small> 11/15/05 | Tyco Electronics Corporation Menlo Park, Ca 94025 | <small>TITLE</small> CONNECTOR, SOCKET STRAIGHT, COMPLIANT PRESS FIT MINIPAK | <small>REV.</small> A |
| | <small>CHECKED</small> | <small>APPROVED</small> | | | |
| | <small>APPROVED</small> STEVE FLICKINGER | <small>DATE</small> 05/30/06 | <small>DWG NUMBER</small> C = 1766976 | <small>DWG SCALE</small> 2=1 | <small>SH</small> 2 OF 3 |
| | <small>DCA APPROVED</small> HA NGUYEN | <small>ACAD FILE NUMBER</small> C1766976A.DWG | | | |

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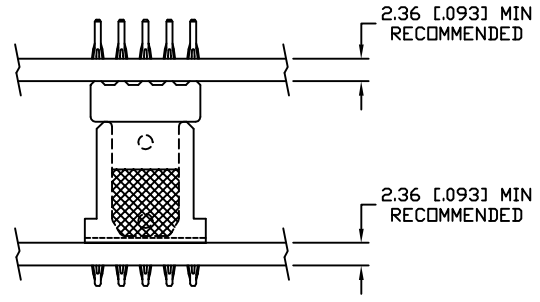
COMPLIANT PIN DETAIL
 SCALE: 10 : 1
 INSERTION/EXTRACTION FORCES
 MAXIMUM PUSH IN: 133.3N PER PIN [30 LBS]
 MINIMUM PUSH OUT: 44.4N PER PIN [10 LBS]

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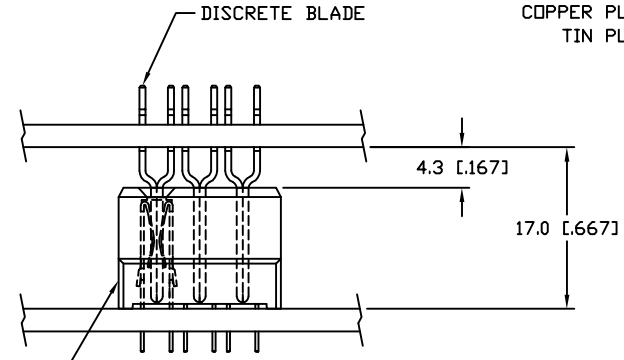


SOLDER TERMINATION AREA
 SCALE: 40 : 1
 RECOMMENDED PRINTED CIRCUIT HOLE COMPLIANT PRESS FIT
 DRILLED HOLE: $\phi 1.15 \pm 0.013$ [$\phi 0.0453 \pm 0.0005$]
 COPPER PLATE: 0.025 [0.0010] - 0.050 [0.0020]
 TIN PLATE: .0005 [0.00002] MINIMUM (PER SURFACE)

DETAIL A



MATED CONDITION



SOCKET CONNECTOR 1766976-1

| | | | | | |
|---|---|----------------------|--|---|-----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] TOLERANCES ANGLES $\pm .5^\circ$ DECIMALS .XX $\pm .25$ [0.010] .X $\pm .5$ [0.020] | DRAWN R. F. A. | DATE 11/15/05 | Tyco Electronics Corporation Menlo Park, Ca 94025 | | |
| | CHECKED | | | | TITLE |
| | APPROVED | | APPROVED | USER INFORMATION COMPLIANT TAIL TERMINATION AND MATED CONDITION | |
| | APPROVED | | APPROVED | | |
| | STEVE FLICKINGER DCA APPROVED HA NGUYEN | 05/30/06 05/30/06 | SIZE B | DWG NUMBER C = 1766976 | REV. A |
| | ACAD FILE NUMBER | C1766976A.DWG | DWG SCALE | 2=1 | SH 3 OF 3 |