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REVISIONS

| EC | REV | DESCRIPTION | DATE |
|--------------|-----|---|---------|
| 0S1Q-0407-04 | E | DRAWING WAS 999-659-3D1. WAS TIN/LEAD PLATED PC TAILS | 30AUG04 |

B

B

7. MODULE INFORMATION

| CONNECTOR | TYCO PART NUMBER | ELCON PART NUMBER | EQUIV. CATALOG MODULE # | | QTY | SIZE NO. | CONTACT QTY | MATING PIN | MAX. CURRENT (PER CONTACT) | CONTACT SPACING | VOLTAGE RATING* |
|-----------|---------------------|----------------------|----------------------------|--------|-----|-------------|----------------|------------------------------|-------------------------------|--------------------|--------------------|
| PIN | 6648102-1 | 479-0629-10300E | FP1817 | POWER | 1 | 8 | 4 | 1.25 X 7.00 [.049 X .276] | 35 AMPERES | 7.50 [.2953] | 250 VOLTS |
| | | | | SIGNAL | | 22 | 24 | .64 [.025] SQ. | 3 AMPERES | 2.50 [.0984] | 125 VOLTS |

NOTES: UNLESS OTHERWISE SPECIFIED;

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

*IAW IEC-950

2. MATERIALS:

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

SOLDER SIGNAL PIN: BRASS ALLOY.

POWER CONTACTS: PHOSPHOR-BRONZE ALLOY,
COPPER ALLOY.

3. FINISHES:

CONTACTS: GOLD PLATED PER MIL-G-45204 TYPE II, CLASS 0,
OVER NICKEL PER QQ-N-290, CLASS 2,
SOLDER TAILS, TIN PLATE, MATT FINISH, PER ASTM-B545.

4 ALL 24 PIN SIGNAL MODULE ARE PREMATE PINS.

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

YEAR — WEEK

ELCON PART NO. & REV DATE CODE (e.g. 0425)

XXX-XXXX-XXXX [] XXXX

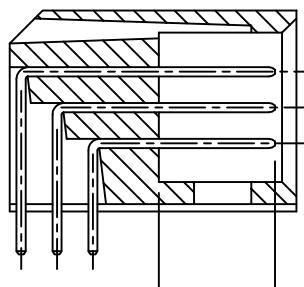
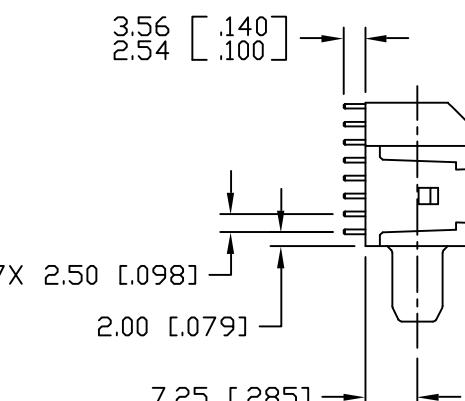
6. THIS CONNECTOR MATES WITH SOCKET CONNECTORS PN 278-0629-00200 OR 278-0629-00400

| | | | |
|---|-------------------|-----------------|--|
|  <small>MM INCH</small> <small>OR MM [INCH]</small> <small>THIRD ANGLE PROJECTION</small> | DRAWN C FRENCH | DATE 10AUG04 |  <small>Tyco Electronics</small> <small>Tyco Electronics Corporation Menlo Park, Ca 94025</small> <small>ELCON</small> |
| | CHECKED | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] | APPROVED | | TITLE PIN CONNECTOR, FLATPAQ RIGHT ANGLE, SHORT SOLDER TAILS, DEDICATED PN: 479-0629-10300E |
| TOLERANCES | APPROVED | | |
| ANGLES $\pm .5^\circ$ | D. CHAU | 30NOV04 | |
| DECIMALS | DCA APPROVED | | SIZE DWG NUMBER |
| .XXX $\pm .25$ [.010] | M. ALIM | 07JAN05 | C- 6648102 |
| .XX $\pm .5$ [.02] | ACAD FILE NUMBER | C6648102.E.DWG | REV. E |
| | | DWG SCALE 1=1 | SH 1 OF 3 |

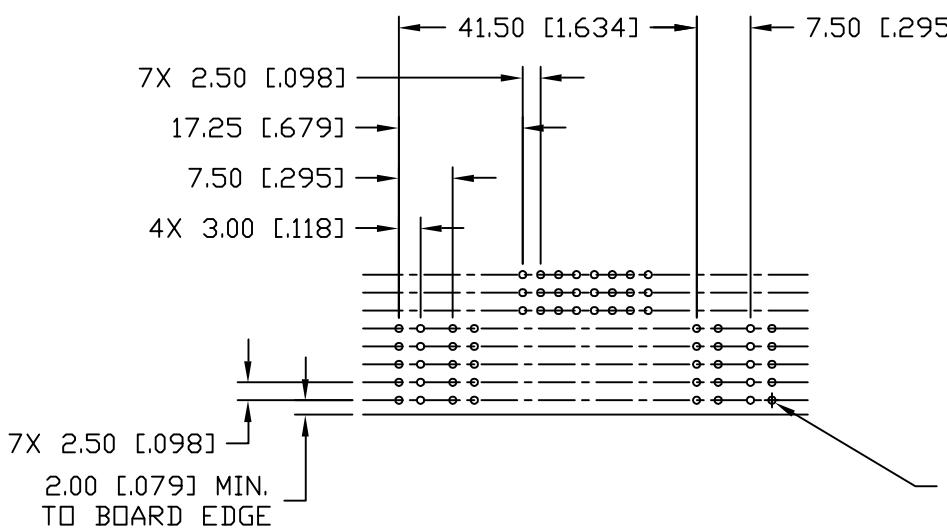
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REVISIONS

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



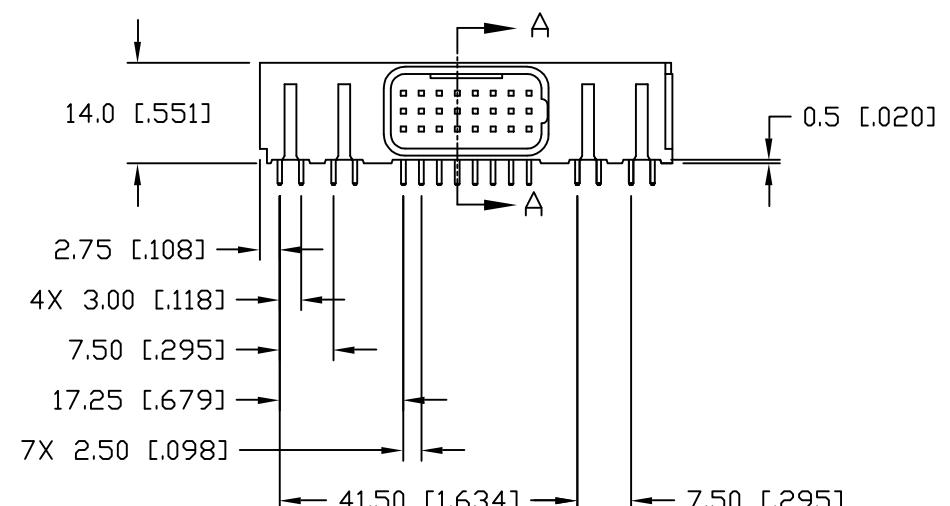
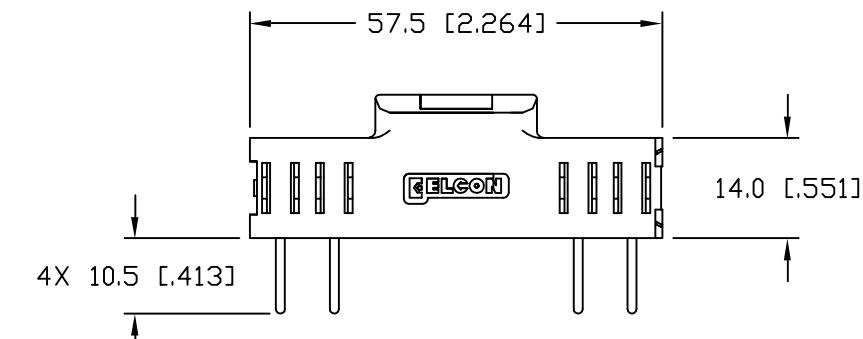
SECTION A-A



2.00 [0.079] MIN.
TO BOARD EDGE

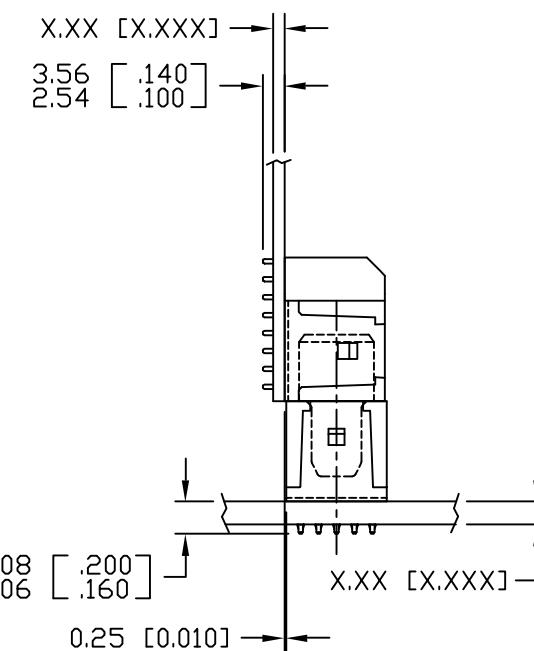
64X ϕ 1.02 [ϕ 0.040] THRU
(SEE SHEET 3)

PRINTED CIRCUIT LAYOUT



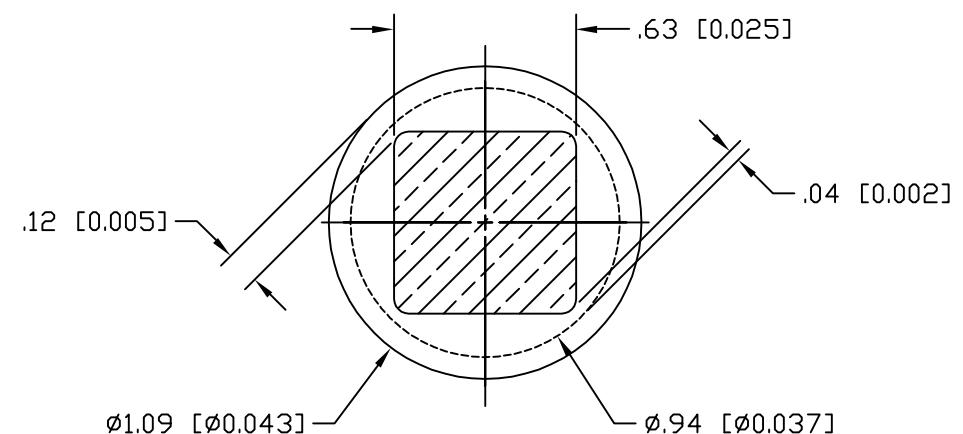
| | | | |
|--|------------------|---------------|--|
| | DRAWN | DATE | Tyco Electronics Tyco Electronics Corporation Menlo Park, Ca 94025 |
| | C FRENCH | 10AUG04 | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] | CHECKED | | TITLE |
| APPROVED | | | PIN CONNECTOR, FLATPAQ |
| APPROVED | | | RIGHT ANGLE, SHORT SOLDER TAILS, DEDICATED |
| ANGLES $\pm .5^\circ$ | | | PN: 479-0629-10300E |
| DECIMALS | | | |
| .XXX $\pm .25$ [.010] | DCA APPROVED | SIZE | DWG NUMBER |
| .XX $\pm .5$ [.02] | M. ALIM | B | C- 6648102 |
| | 07JAN05 | | REV. E |
| | ACAD FILE NUMBER | C6648102E.DWG | |
| | DWG SCALE | 1=1 SH 2 OF 3 | |

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SHORT SOLDER TAIL DETAIL

SCALE: 10 : 1



SIGNAL SOLDER TAIL TERMINATION AREA

SCALE: 40 : 1

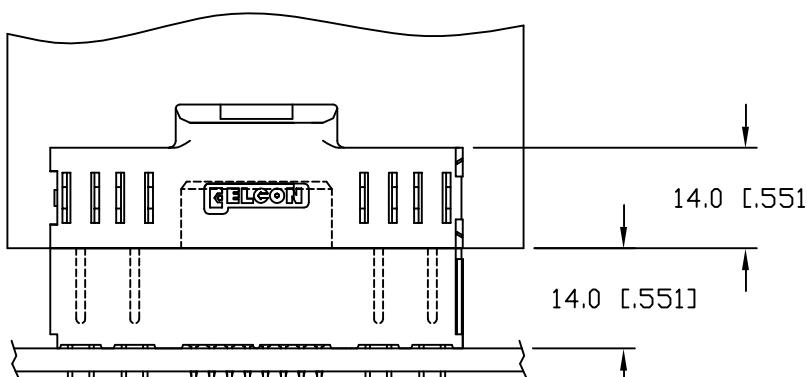
RECOMMENDED PRINTED CIRCUIT HOLE
SOLDER OR COMPLIANT PRESS FIT

FINISHED HOLE: Ø1.02 [0.040] ±.08 [0.003]

DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.005]

COPPER PLATE: .025 [.0010] MINIMUM (PER SURFACE)

TIN PLATE: .008 [.0003] MINIMUM (PER SURFACE)



MATED CONDITION

479-0629-10300 WITH 278-0629-00200 OR 278-0629-00400

| MM INCH | | DRAWN C FRENCH | DATE 10AUG04 | tyco Electronics | | TITLE |
|--|--|-------------------------|-----------------|---------------------|--|-------|
| THIRD ANGLE PROJECTION | | CHECKED | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES] | | APPROVED | | | | |
| TOLERANCES | | APPROVED | | | | |
| ANGLES ± .5° | | D. CHAU | 30NOV04 | | | |
| DECIMALS | | DCA APPROVED | | | | |
| .XXX ± .25 [.010] | | M. ALIM | 07JAN05 | | | |
| .XX ± .5 [.02] | | ACAD FILE NUMBER | C6648102.DWG | | | |
| | | DWG SCALE 1=1 SH 3 OF 3 | | | | |

Mouser Electronics

Authorized Distributor

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[6648102-1](#)