

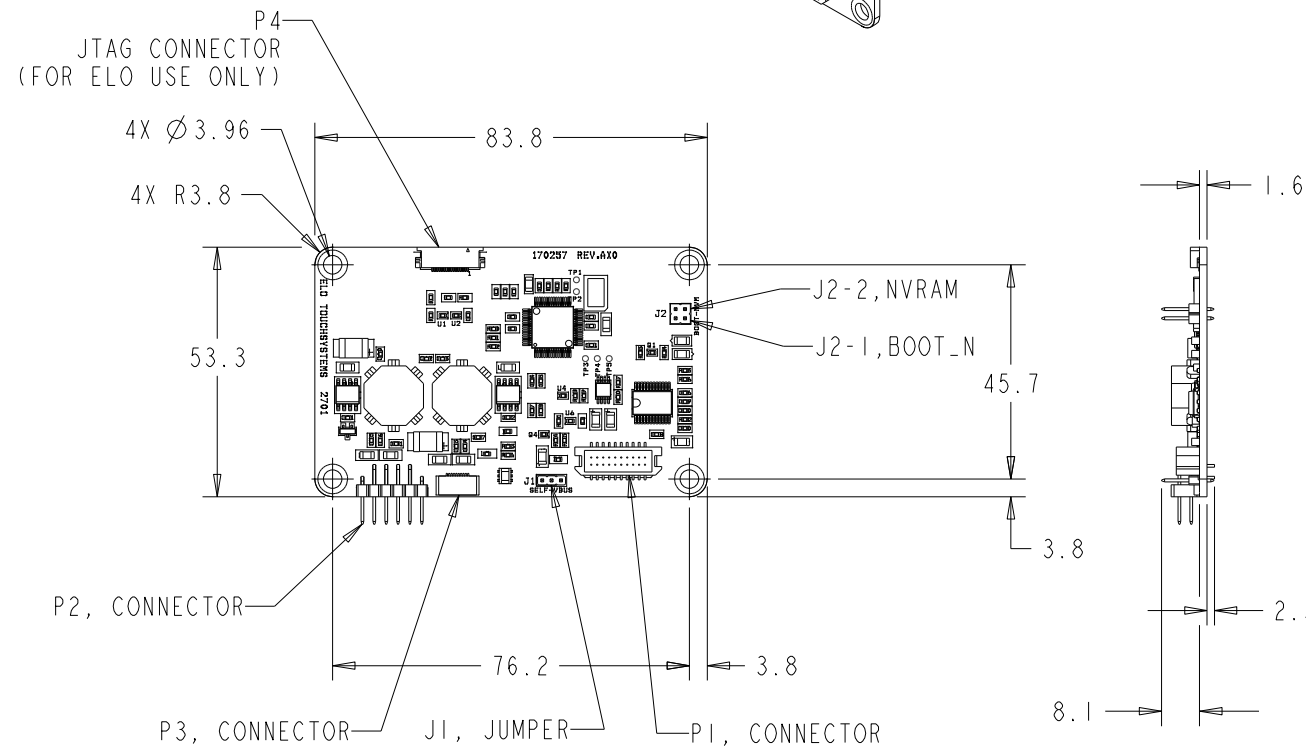
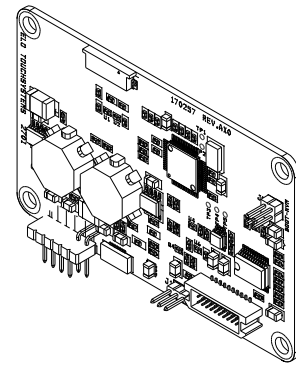
PROPRIETARY TO ELO TOUCHSYSTEMS, INC. AND SHALL NOT BE DISCLOSED OTHER THAN TO NECESSARY EMPLOYEES OR SUPPLIERS WITHOUT THE EXPRESS WRITTEN CONSENT OF ELO TOUCHSYSTEMS INC.

# ELO TOUCHSCREEN CONTROLLER

## CTR-270100-IT-RSU-00R

### REVISIONS

| REV | ZONE | BY  | DESCRIPTION   | DATE     | APPROVED |
|-----|------|-----|---|----------|----------|
| A   | --   | HAG | RELEASED PER ECO 6295                                       | 09.19.06 | CCB      |
| B   | --   | HAG | REVISED PER ECO XXXX;CHGD MAX LEAD PROTUSION FRM 1.6 TO 2.5 | DATE     | CCB      |



### NOTES: (UNLESS OTHERWISE SPECIFIED)

- THE POWER/INTERFACE CONNECTOR, P1, IS A MOLEX 53505-2090, 1.25MM PITCH 20 PIN, TOP CONTACT STYLE CONNECTOR, INTENDED TO BE USED WITH SINGLE WIRED PINS IN A 20 PIN HEADER. THE PINS ARE NUMBERED AS SHOWN IN THE TABLE BELOW. MATCHING HEADER IS MOLEX 51127 HOUSING, WITH MOLEX 50516 TERMINALS. FOR MORE INFORMATION PLEASE SEE THE MOLEX WEBSITE: [www.molex.com](http://www.molex.com)
- THE LIF CONNECTOR IS AVX 6254-010-000-800 AND ACCEPTS FLAT CABLE WITH CONDUCTORS ON 0.5mm CENTERS. NOMINAL CABLE THICKNESS IS 0.3mm.
- 3D FILES ARE ALSO AVAILABLE.

| SIGNAL NAME | P2 PIN | P3 PIN | SIGNAL FUNCTION               |
|-------------|--------|--------|-------------------------------|
| CHASSIS     | 1      | NC     | FRAME GROUND FOR CABLE SHIELD |
| NONE        | 2      | NC     | CONNECTOR KEY                 |
| Y RCV +     | 3      | 4      |                               |
| Y XMT +     | 4      | 2      |                               |
| Y RCV -     | 5      | 5      |                               |
| Y XMT -     | 6      | 1, 3   |                               |
| ANALOG GND  | 7      | NC     | ANALOG GROUND                 |
| X XMT -     | 8      | 8, 10  |                               |
| X RCV -     | 9      | 6      |                               |
| X XMT +     | 10     | 9      |                               |
| X RCV +     | 11     | 7      |                               |
| NONE        | 12     | NC     | CONNECTOR KEY                 |

| SIGNAL NAME | P1 PIN | SOURCED BY | SIGNAL FUNCTION   |
|-------------|--------|------------|---|
| DCD         | 11     | ctrl       | carrier detect , handshake = 0 (POSITIVE) when controller power on      |
| DSR         | 12     | ctrl       | data set ready , handshake = 0 (POSITIVE) when controller power on      |
| RxD         | 13     | ctrl       | serial data from controller to host                                     |
| RTS         | 14     | host       | request to send , handshake = 0 (POSITIVE) when controller may send     |
| TxD         | 15     | host       | serial data from host to controller                                     |
| CTS         | 16     | ctrl       | used as ready to receive , handshake = 0 (POSITIVE) when host may send  |
| DTR         | 17     | host       | data terminal ready , handshake = 0 (POSITIVE) when controller may send |
| RI          | -      | n/u        | not used  |
| SG          | 19     | com        | signal ground   |

| JUMPER | FUNCTION   |
|--------|--|
| J1     | SHORT 1-2, SELF POWERED. SHORT 2-3, USB POWERED. |
| J2-1   | BOOT_N   |
| J2-2   | INITIALIZE NVRAM*                                |

| PIP NUMBER | DESCRIPTION           |
|------------|-----------------------|
| D68054-000 | CTR-270100-IT-RSU-00R |

| ITEM NO. | QTY REQ'D | DRAWING OR PART NO. | DESCRIPTION | MATERIAL SPECIFICATION |
|----------|-----------|---------------------|-------------|------------------------|
|----------|-----------|---------------------|-------------|------------------------|

|                                |   |                      |   |   |           |                |                 |                             |
|--------------------------------|---|----------------------|---|---|-----------|----------------|-----------------|-----------------------------|
| PART. NO.<br><b>D68054-000</b> | UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS  | DRAWN<br>ALEX GRICE  | DATE<br>09.19.06  | TITLE<br>MKTG DWG,<br>CRT-270100-<br>IT-RSU-00R |           |                |                 |                             |
|                                |   | CHECK                | DATE  |   |           |                |                 |                             |
| METRIC                         | TOLERANCES ARE:<br>DECIMALS    ANGLES<br>X = ± 0.50    ±1/2°<br>.X = ± 0.25    FRACTIONS<br>.XX = ± 0.13    ±1/32 | DESIGN<br>ALEX GRICE | DATE<br>09.19.06  |   |           |                |                 |                             |
| DO NOT SCALE DRAWING           | THIRD ANGLE PROJECTION  |                      | <table border="1"> <tr> <td>SIZE<br/>C</td> <td>SCALE<br/>1.000</td> <td>SHEET<br/>1 OF 1</td> <td>DWG. NO.<br/><b>MS600473</b></td> <td>REV<br/><b>B</b></td> </tr> </table> |   | SIZE<br>C | SCALE<br>1.000 | SHEET<br>1 OF 1 | DWG. NO.<br><b>MS600473</b> |
| SIZE<br>C                      | SCALE<br>1.000  | SHEET<br>1 OF 1      | DWG. NO.<br><b>MS600473</b>   | REV<br><b>B</b>                                 |           |                |                 |                             |

SHT. 1 OF 1 REV B DWG. NO. MS600473