

# Customer Control PCB – Scope of Work

March 23, 2016

## Requirements

Reverse engineering the IO expansion board

## Input Deliverables from Customer

- 1- One tested, working sample. One working/non-working sample
- 2- Module that the membrane switch/PCB controls for validation
- 3- Customer logo and title block
- 4- Purchase Order for 50% of the estimated cost

## Output Deliverables to Customer

- 1- Deliver a Design Package which would include but not be limited to:
  - a. Schematic printout in active PDF format
  - b. Schematic capture project archive in native Altium format (schematics, symbol libraries, set up, etc.)
  - c. Assembly drawing in PDF and .DWG format
  - d. Gerber files
  - e. Bill of Materials
  - f. Test file
  - g. Layout project archive in native Altium format (layout, footprint libraries, set up, etc.)

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- h. New Product Introduction Quotation to include;
  - i. Prototype piece price quotation
  - ii. Prototype tooling price quotation
  - iii. Prototype lead-time
  - iv. Prototype Debug and Integration
  - v. Production piece price quotation
  - vi. Production tooling price quotation
  - vii. Production lead-time
  - viii. PAPP Analysis
  - ix. PFMEA Documentation
  - x. Quality Control Procedures

### Design Approach

The design will be iterative process. This means frequent communication and ensure functionality before optimization. The estimated time table is based on expediting efforts for a 2 week completion of usable files.

### Program Management

GOT will be sharing program status with Customer twice a week. Once via an email update and another via a GOTO Meeting 30-minute conference call.

GOT utilizes an Action Tracker to monitor Action Items and deliverables from both parties. These Action Trackers essential are the agenda for the GOTO Meeting. The Action Tracker will also track the financial status of the project. The financial status includes piece part, tooling and NRE cost along with GOT Interface invoices and Customer Purchase Orders

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### Price and Delivery

The price of the Statement of work is estimated at \$10,000. The program lead-time is estimated at 2 weeks.

This price is for the Design Package only. Prototype and Production SOW would be considered as Phase II of the program requiring a separate SOW. The overlay and membrane switch construction would also be considered a separate SOW as well.

Sincerely,

GOT Interface Team