

6

5

4

3

2

1

D

D

C

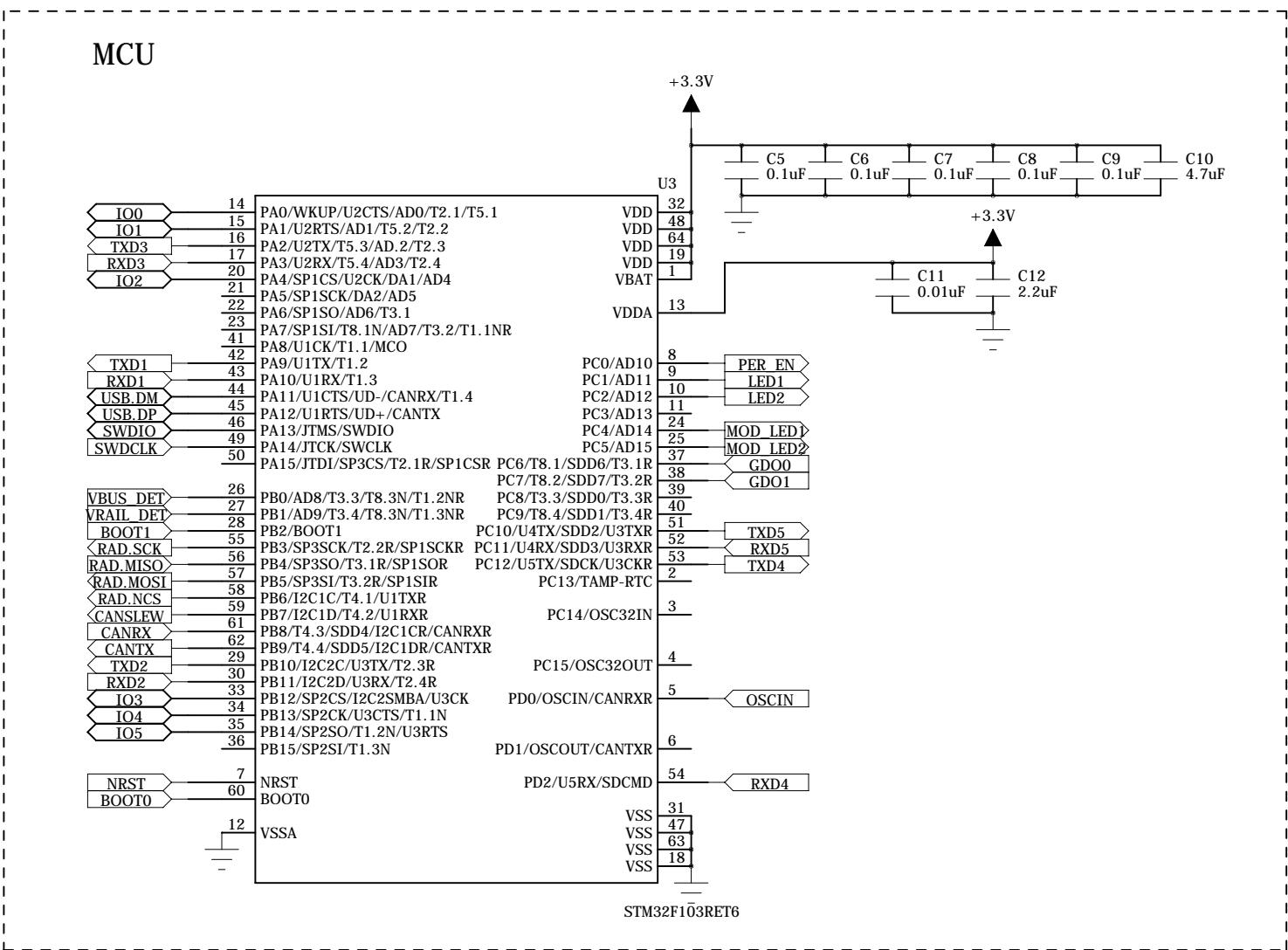
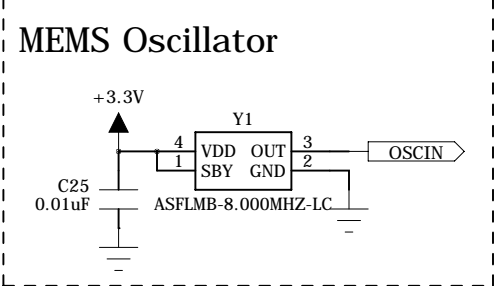
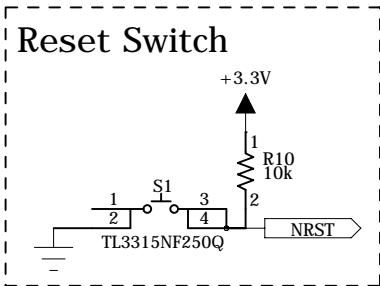
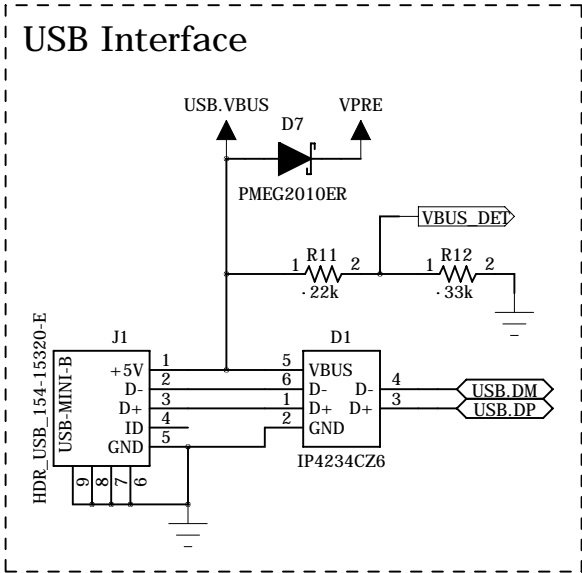
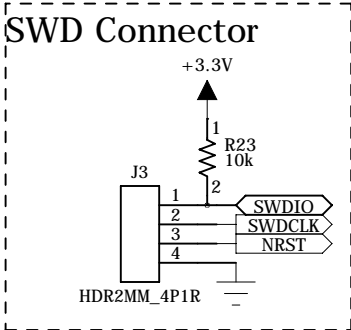
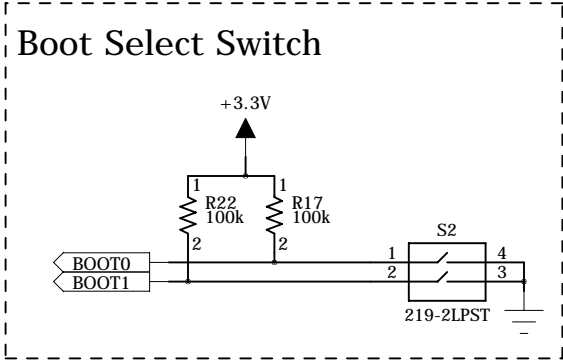
C

B

B

A

A



|  |                            |   |                    |                              |                   |
|--|----------------------------|---|--------------------|------------------------------|-------------------|
| <div>LRAM</div> <div>Lab for Robotics and Applied Mechanics</div> <div>Oregon State University</div> |                            | PROJECT: <div>Casting Robot</div>               |                    |                              |                   |
|  |                            | TITLE: <div>Accumulatron Data Accumulator</div> |                    |                              |                   |
| DRAWN: <div>Cody Hyman</div>   | DATED: <div>17-03-13</div> | Status: <div>R</div>                            | SIZE: <div>B</div> | DRAWING NO: <div>ACC.1</div> | REV: <div>1</div> |
| CHECKED: <div>Cody Hyman</div>   | DATED: <div>17-03-13</div> | SHEET: 1 OF 3                                   |                    |                              |                   |
| RELEASED: <div>Cody Hyman</div>  | DATED: <div>15-07-13</div> |   |                    |                              |                   |

6

5

4

3

2

1

D

C

B

A

D

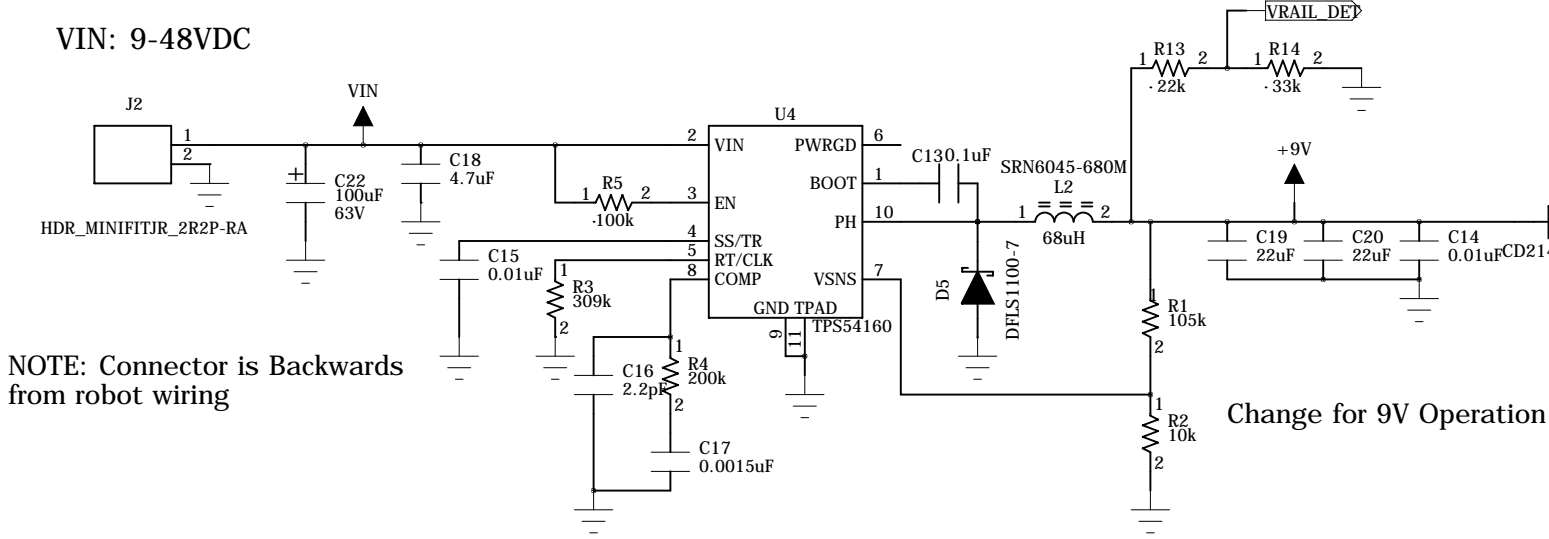
C

B

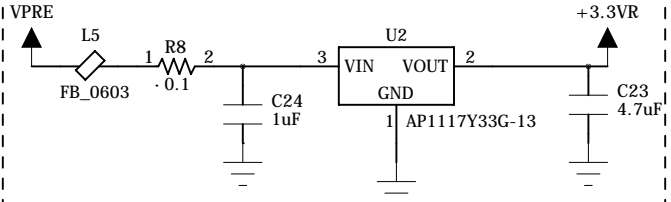
A

Input Power Supply

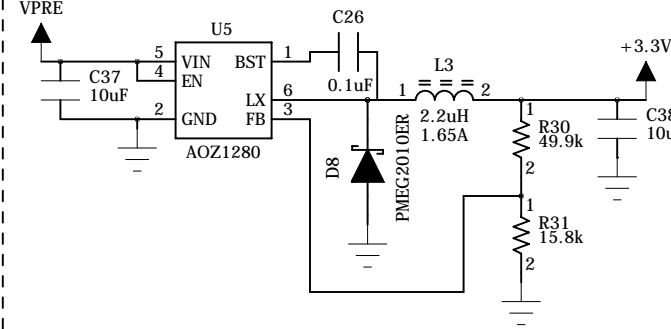
VIN: 9-48VDC



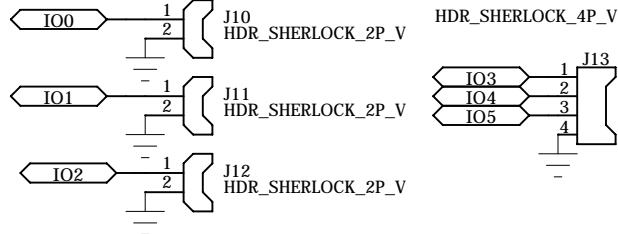
Radio Power Supply



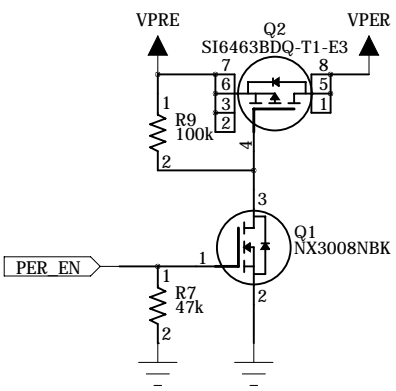
Logic Power Supply



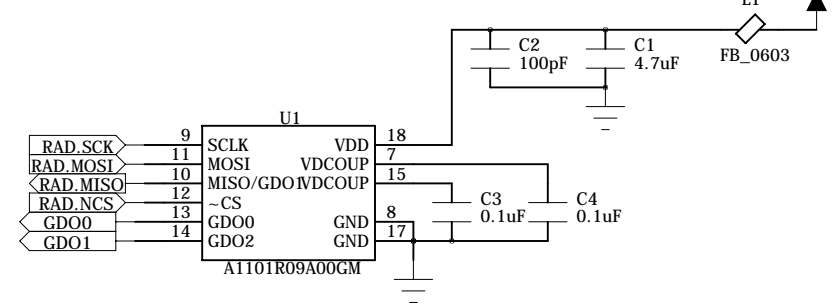
I/O Connectors



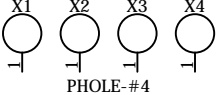
Peripheral Load Switch



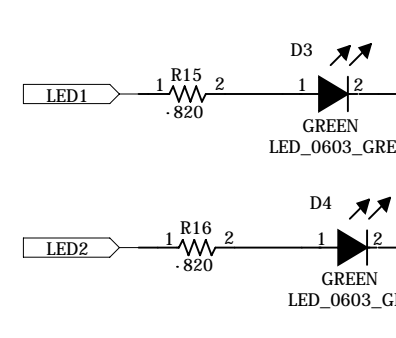
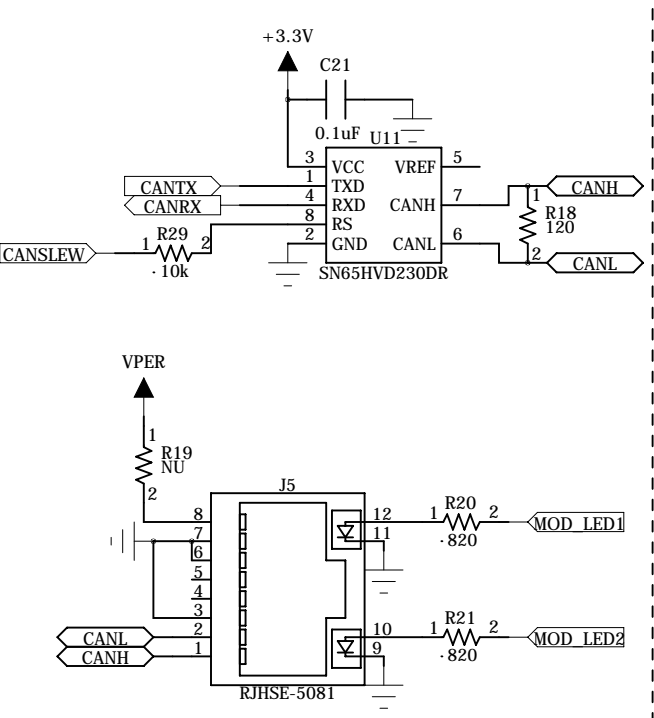
Radio Module



Mounting Holes 4x #4



CAN Interface (Optional)



|                        |                 |                                      |         |
|------------------------|-----------------|--------------------------------------|---------|
| PROJECT: Casting Robot |                 | TITLE: Accumulatron Data Accumulator |         |
| DRAWN: Cody Hyman      | DATED: 17-03-13 | GROUP: R                             | SIZE: B |
| CHECKED: Cody Hyman    | DATED: 17-03-13 | DRAWING NO: ACC.1                    | REV: 1  |
| RELEASED: Cody Hyman   | DATED: 15-07-13 | SHEET: 2 OF 3                        |         |

6

5

4

3

2

1

D

C

B

A

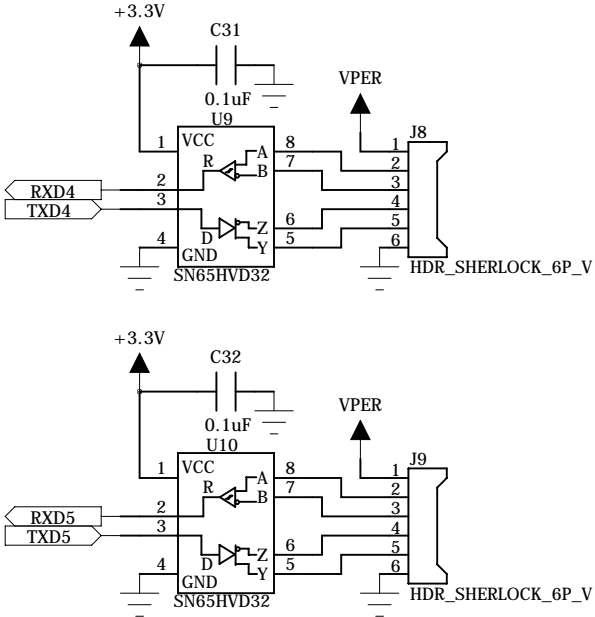
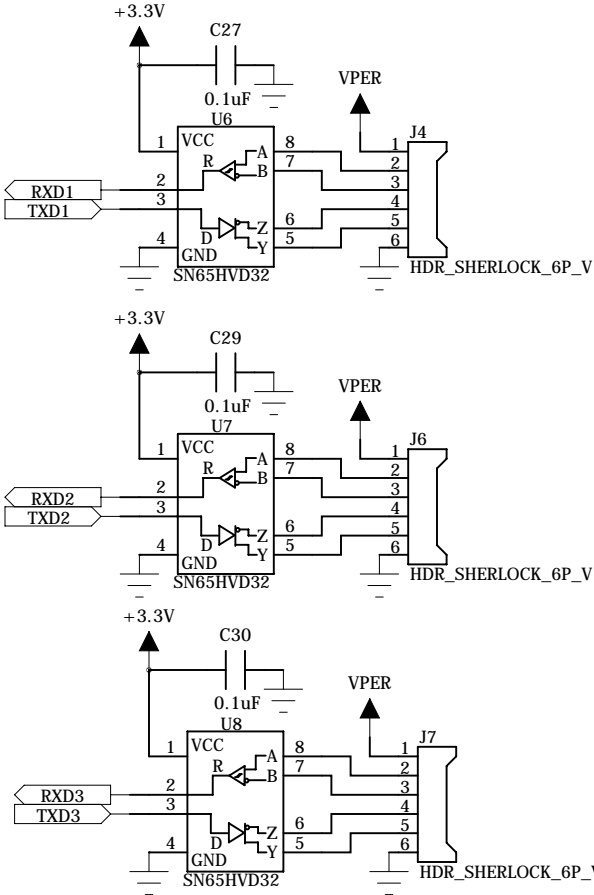
D

C

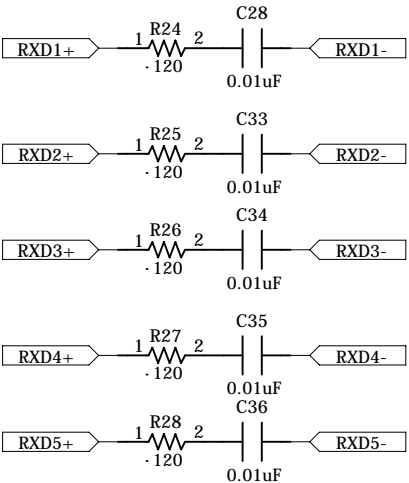
B

A

RS-485 Transceivers



AC Terminators (Tune properly or DC terminate)



|   |                    |                                      |            |                      |           |
|---|--------------------|--------------------------------------|------------|----------------------|-----------|
| <div>LRAM</div> <div>Lab for Robotics and Applied Mechanics<br/>Oregon State University</div> |                    | PROJECT: Casting Robot               |            |                      |           |
|   |                    | TITLE: Accumulatron Data Accumulator |            |                      |           |
| DRAWN:<br>Cody Hyman  | DATED:<br>17-03-13 | GROUP:<br>R                          | SIZE:<br>B | DRAWING NO:<br>ACC.1 | REV:<br>1 |
| CHECKED:<br>Cody Hyman  | DATED:<br>17-03-13 |                                      |            |                      |           |
| RELEASED:<br>Cody Hyman   | DATED:<br>15-07-13 | SHEET: 3 OF 3                        |            |                      |           |