

## Colony - Enhancement #237

### Design Dragonfly Replacement Board

02/08/2008 12:51 PM - Kevin Woo

<b>Status:</b>	Feedback	<b>Start date:</b>	
<b>Priority:</b>	Tabled	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Hardware	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Hardware		
<b>Description</b>			
Things to fix:			
<ul style="list-style-type: none"><li>• No critical IO or communications lines over the motors</li><li>• ARCHs integrated into board<ul style="list-style-type: none"><li>◦ Built in I2C to ARCHs</li></ul></li><li>• Integrated SPI hookups to encoder connectors<ul style="list-style-type: none"><li>◦ Separate chip select lines</li><li>◦ CLK and MISO/MOSI from SPI module</li></ul></li><li>• 16MHz External clock</li><li>• Fix FTDI chip to use 3.3v VCCIO instead of 5V</li><li>• External pull ups for buttons</li><li>• Cheaper range finders? Perhaps Digital ones.</li></ul>			

#### History

##### #1 - 02/08/2008 04:58 PM - Kevin Woo

Things to fix:

- No critical IO or communications lines over the motors
- ARCHs integrated into board
  - Built in I2C to ARCHs
- Integrated SPI hookups to encoder connectors
  - Separate chip select lines
  - CLK and MISO/MOSI from SPI module
- 16MHz External clock
- Fix FTDI chip to use 3.3v VCCIO instead of 5V
- External pull ups for buttons
- Cheaper range finders? Perhaps Digital ones.
- Omniwheels

##### #2 - 01/30/2009 06:14 PM - Kevin Woo

- Status changed from New to Assigned

##### #3 - 03/07/2009 11:41 PM - Kevin Woo

- Status changed from Assigned to Feedback

- Assignee deleted (Unassigned Ticket -)

##### #4 - 03/21/2009 12:54 PM - Rich Hong

- Category set to Hardware