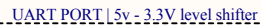


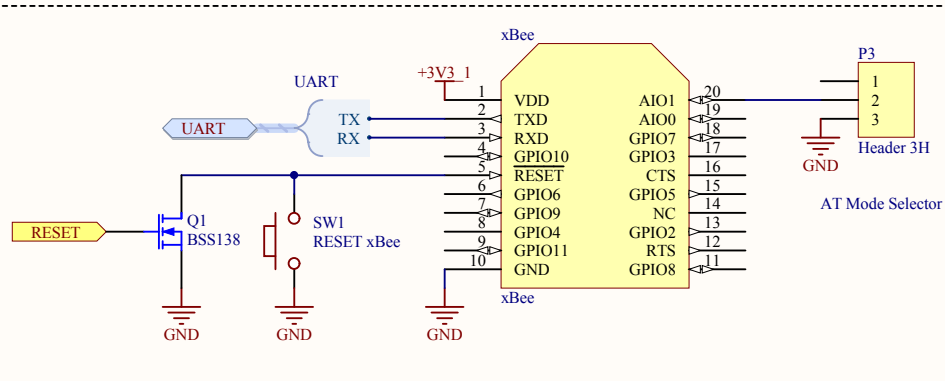
uController + 16 digital + 16 analog Infrared Sensors | UART Bus to Core



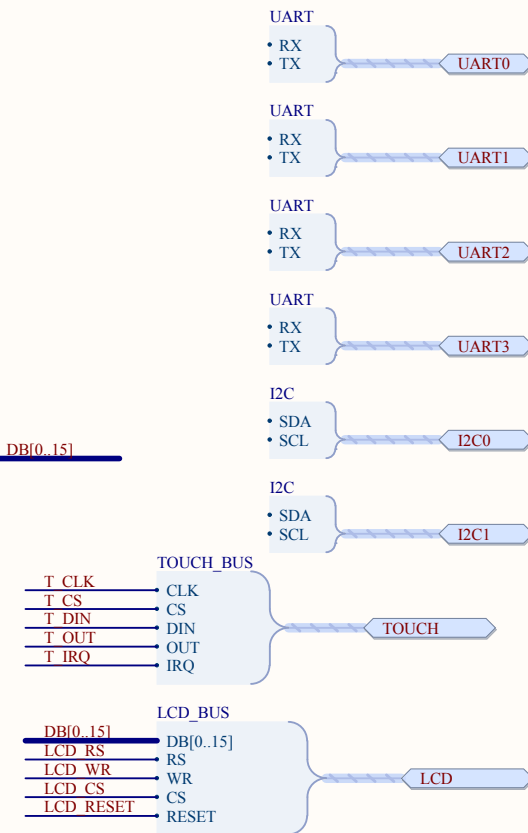
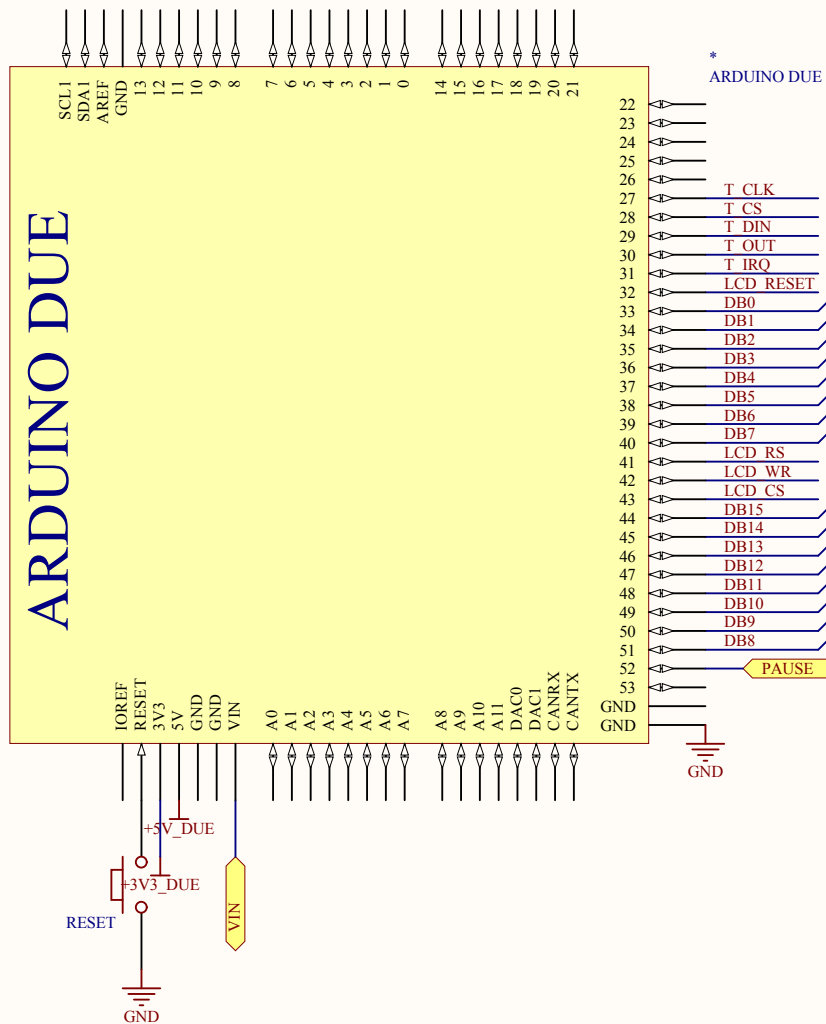
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Size A4	Number	Revision
Date:	17/01/2013	Sheet of
File:	C:\Users\...\Ball Locator.SchDoc	Drawn By:

BLUETOOTH

Bluetooth Module



Title		
Size A4	Number	Revision
Date:	17/01/2013	Sheet of
File:	C:\Users\...\Bluetooth.SchDoc	Drawn By:

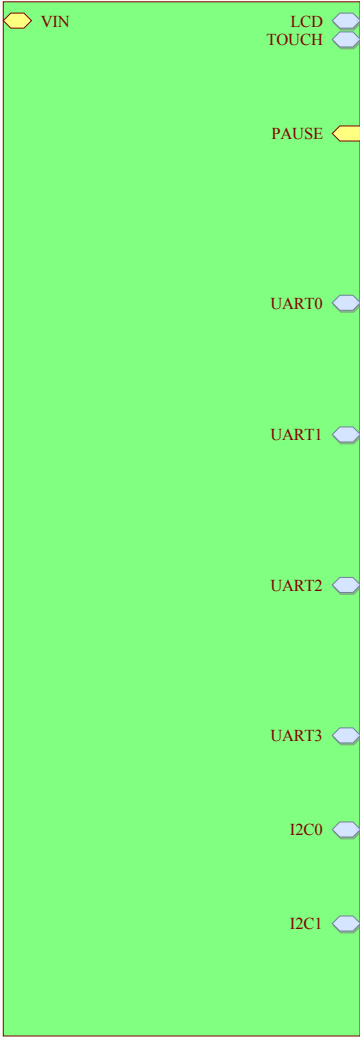


Title		
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Date:	17/01/2013	Sheet of
File:	C:\Users\...\Core.SchDoc	Drawn By:

Power Supply
Power Supply.SchDoc



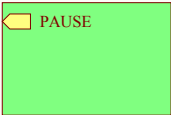
Core
Core.SchDoc



LCD
LCD.SchDoc



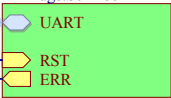
Interface
Interface.SchDoc



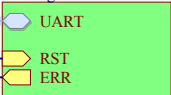
Bluetooth
Bluetooth.SchDoc



HB1
H Bridge.SchDoc



HB2
H Bridge.SchDoc



Ball Locator
Ball Locator.SchDoc



IMU
IMU.SchDoc



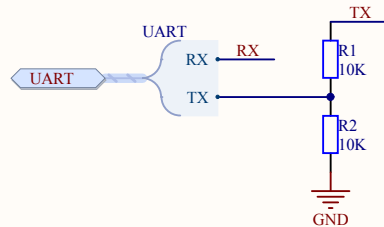
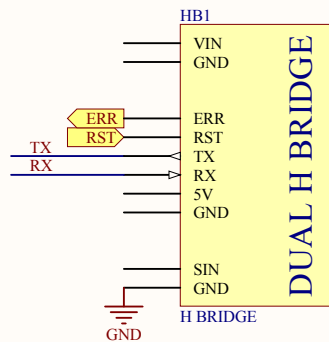
U_IRSensors
IRSensors.SchDoc



Title		
Size A4	Number	Revision
Date: 17/01/2013	Sheet of	
File: C:\Users\...\General.SchDoc	Drawn By:	

H BRIDGE

Pololu QIK2s12v10 Dual motor H Bridge | 6 to 16V | Up to 13A (30A peak)



UART PORT | 5V to 3.3V Level Shifter

Title		
Size A4	Number	Revision
Date: 17/01/2013	Sheet of	
File: C:\Users\...\H Bridge.SchDoc	Drawn By:	

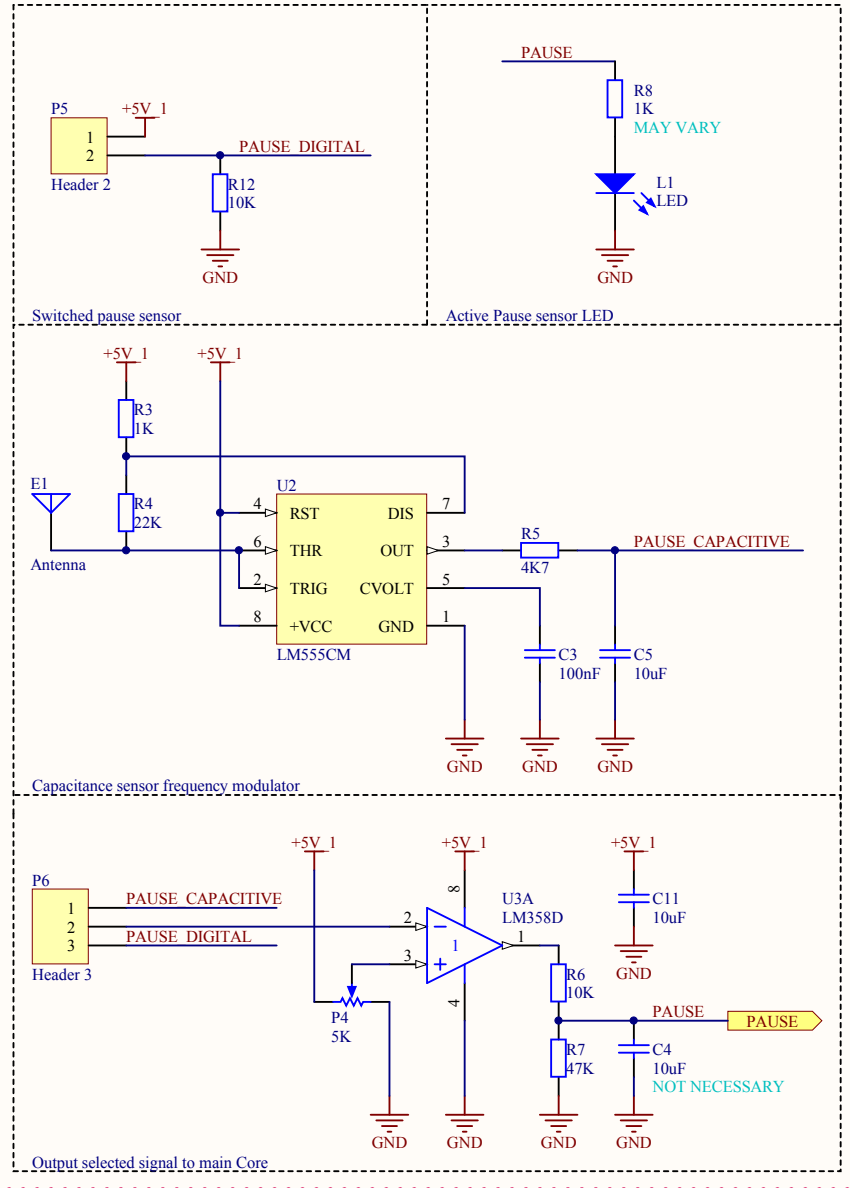
9 Axles IMU Slave | I2C Address: 0b110100X



Title IMU Sensor		
Size A4	Number	Revision
Date:	17/01/2013	Sheet* of *
File:	C:\Users\...IMU.SchDoc	Drawn By: Ivan Seidel

INTERFACE

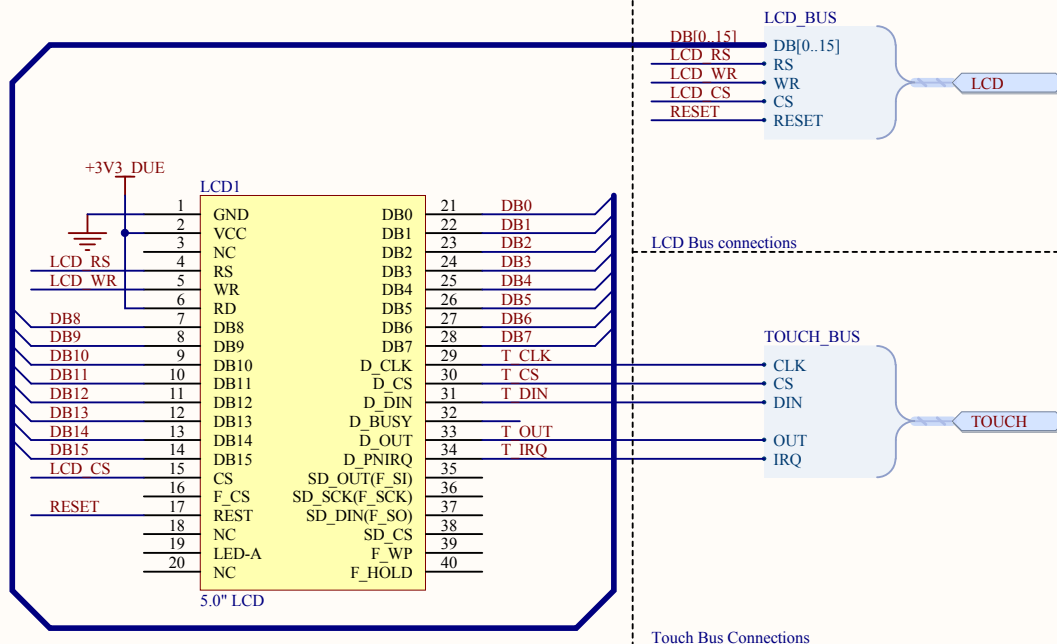
Capacitive/Switch Pause sensor | Up to 30mA



Title		
Size	Number	Revision
A4		
Date:	17/01/2013	Sheet of
File:	C:\Users\...\Interface.SchDoc	Drawn By:

LCD

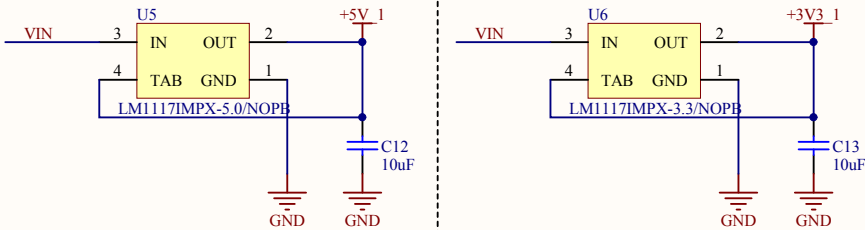
LCD Connector



Title		
Size	Number	Revision
A4		
Date:	17/01/2013	Sheet of
File:	C:\Users\LCD.SchDoc	Drawn By:

POWER SUPPLY

General Switch | Voltage Regulators | +5V_1 | +3V3_1



+5V regulator Power Supply (1)

+3V3 regulator Power Supply (1)

Title		
Size A4	Number	Revision
Date:	17/01/2013	Sheet of
File:	C:\Users\...\Power Supply.SchDoc	Drawn By: