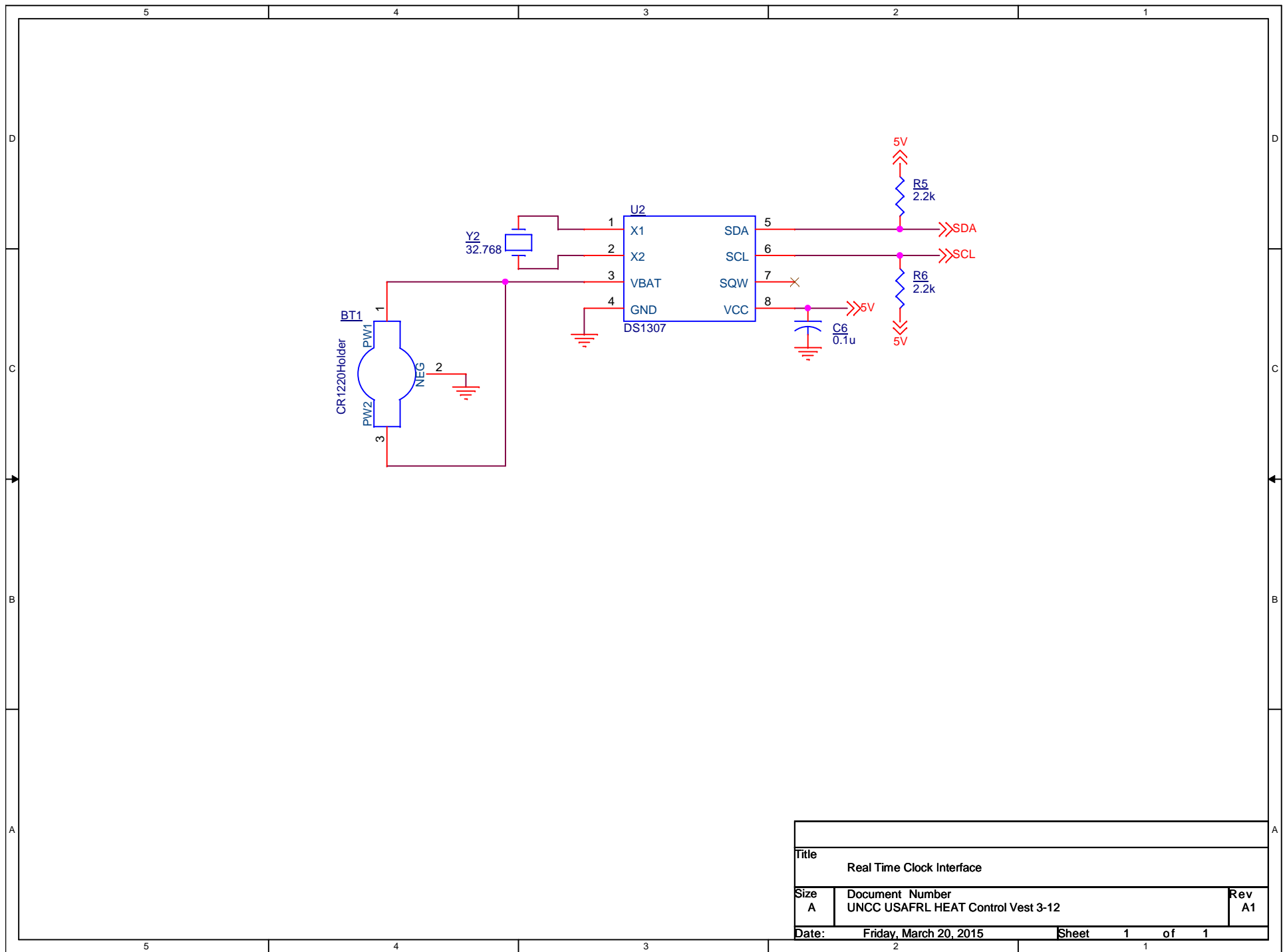
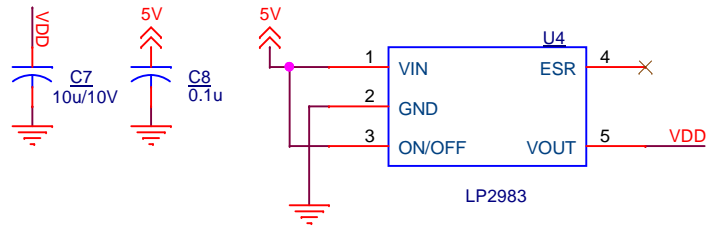
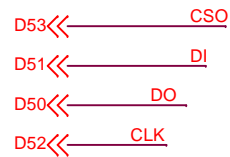
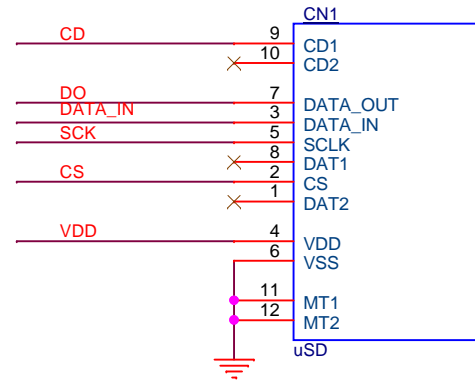
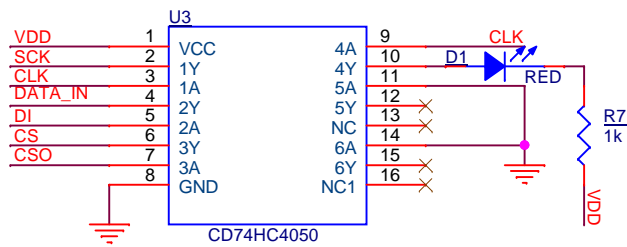


REV	Description	DATE	BY
A1	Initial Layout	03/04/2015	Madison Traynham
A2	Finalized Layout with all added functionality	03/27/2015	Madison Traynham

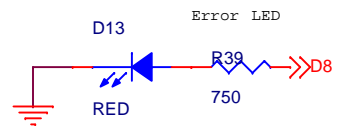
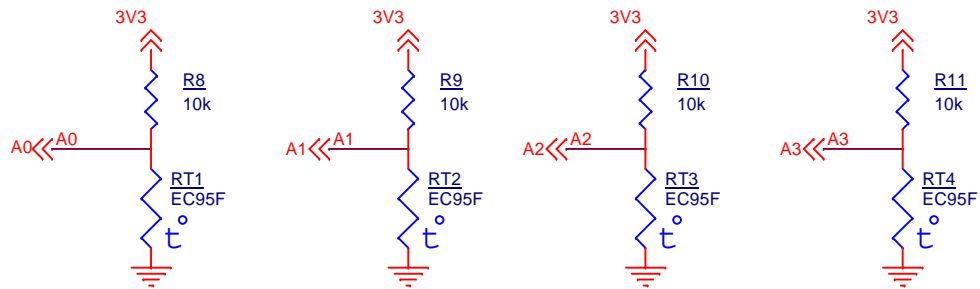
PAGE NO.	SCHEMATIC PAGE
1	COVER PAGE
2	Processor ATmega 2560
3	Real Time Clock
4	microSD
5	Thermistors
6	Thermocouples
7	PIC16F913 Heart Rate Monitor
8	Esp8266 WiFi Module
9	Accelerometer
10	Power Regulation
11	Programming Interface

Title			
UNCC USAFRL HEAT Control Vest			
Size B	Document 1-12	Number	Rev A1
Date:	Friday, March 27, 2015		Sheet 1 of 1

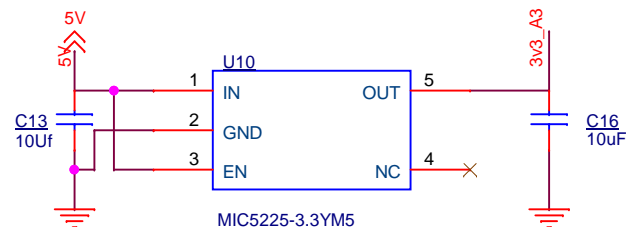
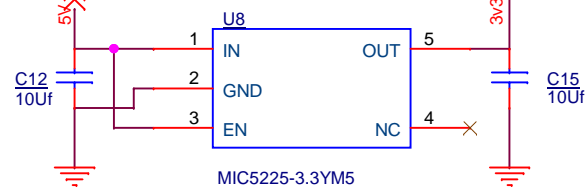
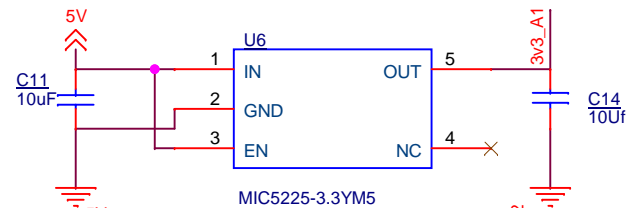
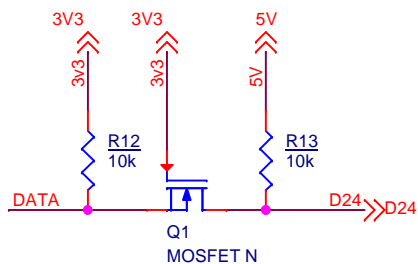
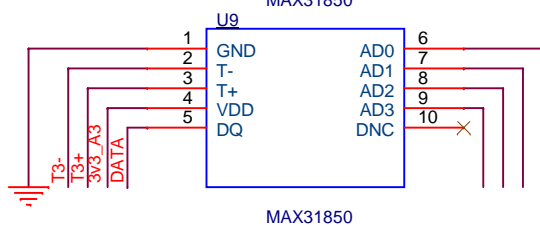
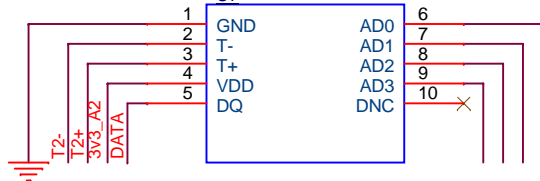
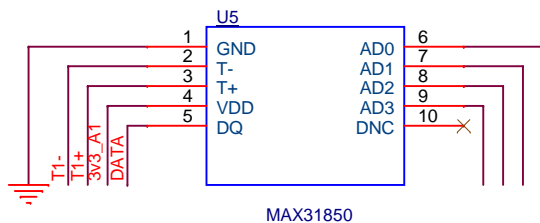
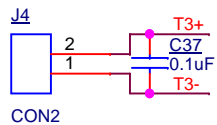
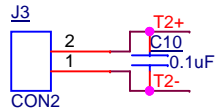
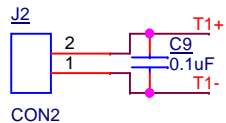




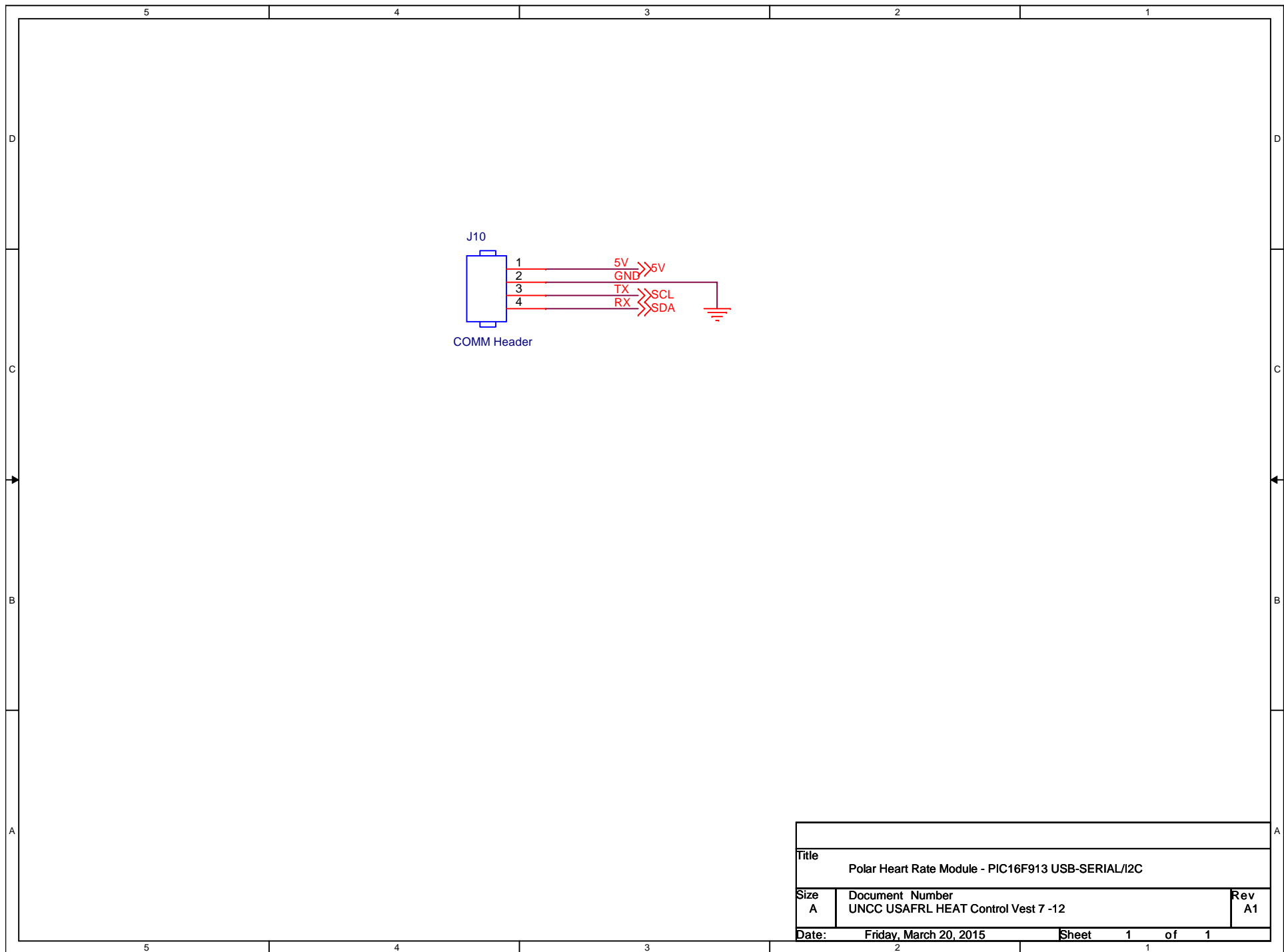
Title		
microSD interface with transflash and spi support		
Size A	Document Number UNCC USAFRL HEAT Control Vest 4-12	Rev A1
Date: Friday, March 20, 2015	Sheet 1 of 1	



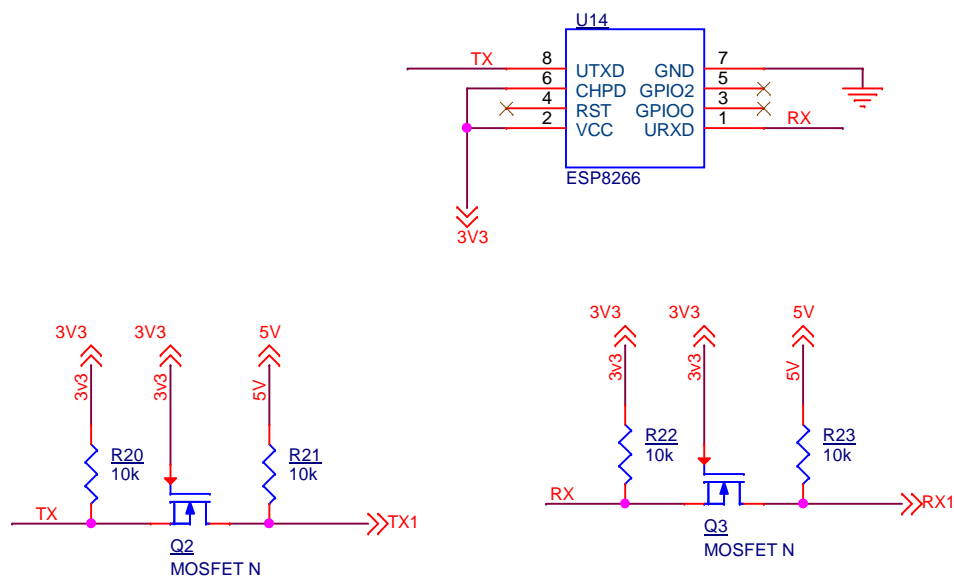
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Size A	Document Number UNCC USAFRL HEAT Control Vest 5-12	Rev A1
Date:	Friday, March 20, 2015	Sheet 1 of 1



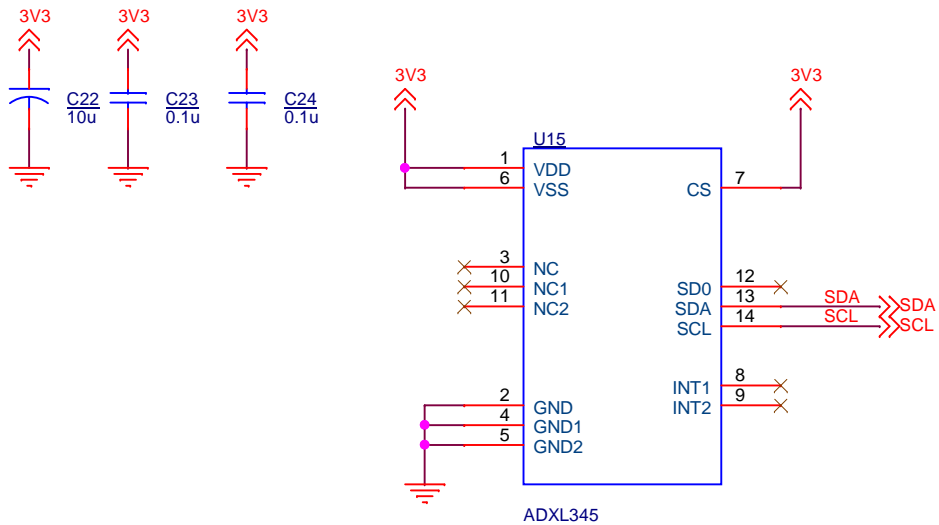
Title		
External Temperatures - MAX31850 K Type Thermocouple Interface		
Size A	Document Number UNCC USAFRL HEAT Control Vest 6 -12	Rev A1
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Title		
Polar Heart Rate Module - PIC16F913 USB-SERIAL/I2C		
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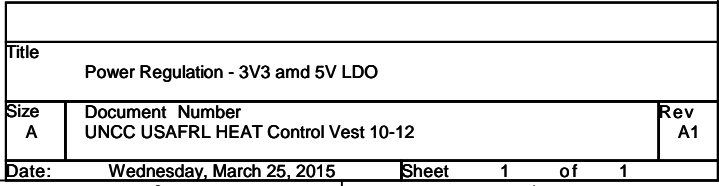


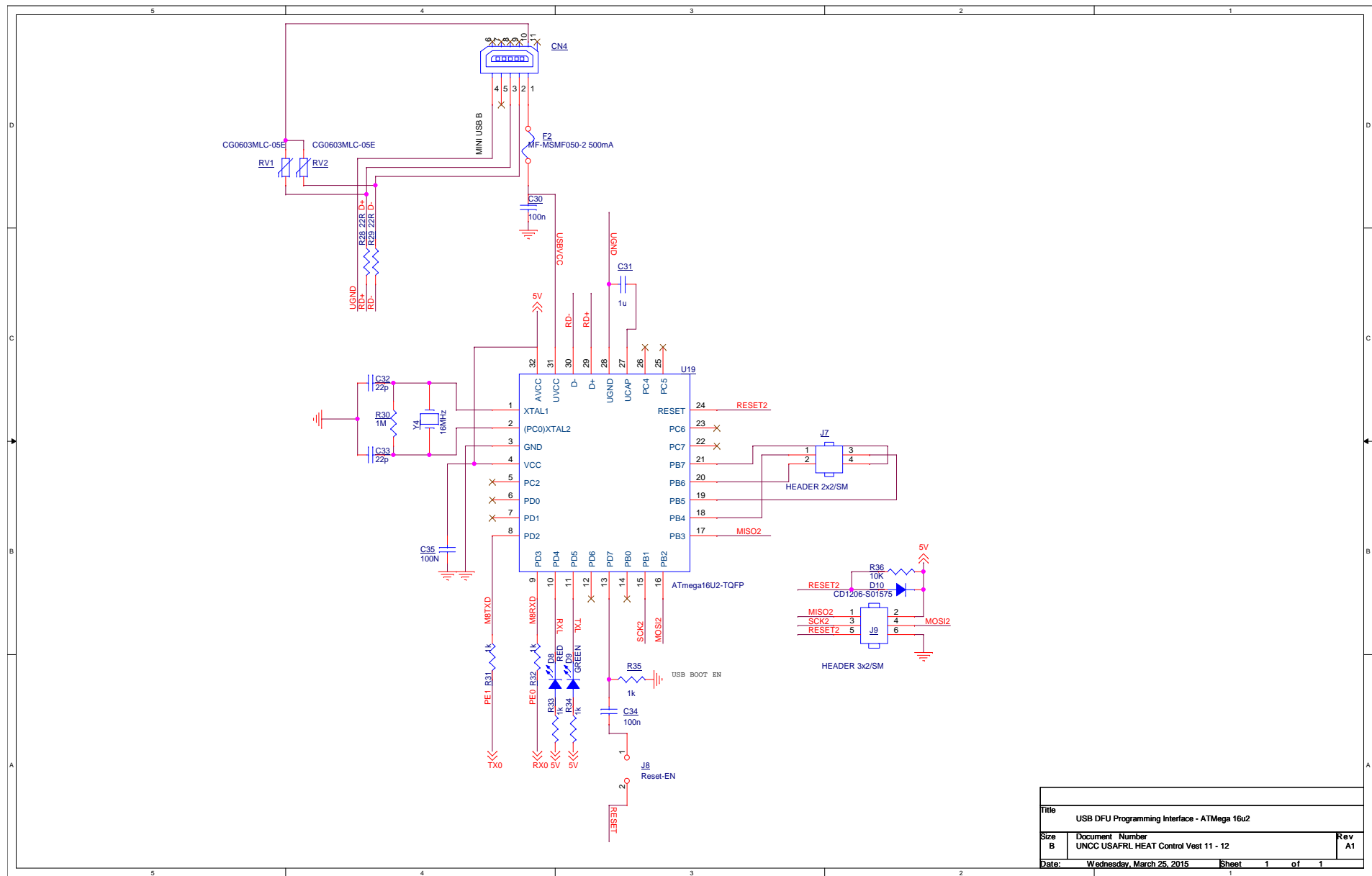
Title		
Datalink - Serial to WiFi ESP8266		
Size	Document Number	Rev
A	UNCC USAFRL HEAT Control Vest 8-12	A1
Date:	Friday, March 20, 2015	Sheet 1 of 1



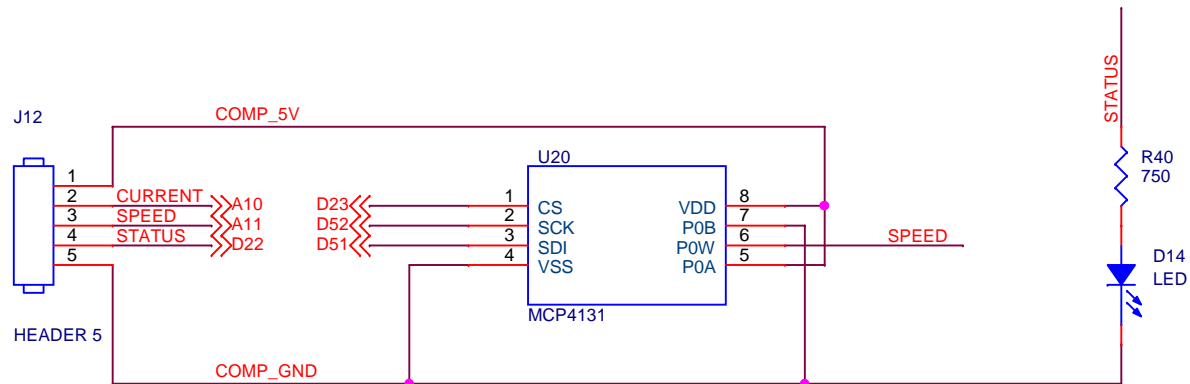
analog sda (A4) and scl (A5)

Title		
Tilt Sensor - ADXL345		
Size	Document Number	Rev
A	UNCC USAFRL HEAT Control Vest 9 - 12	A1
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Title			USB DFU Programming Interface - ATmega16u2	
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Title		
MultiRPM Compressor Control - Digital Potentiometer and ADJ LDO Reg		
Size A	Document Number	Rev A0
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