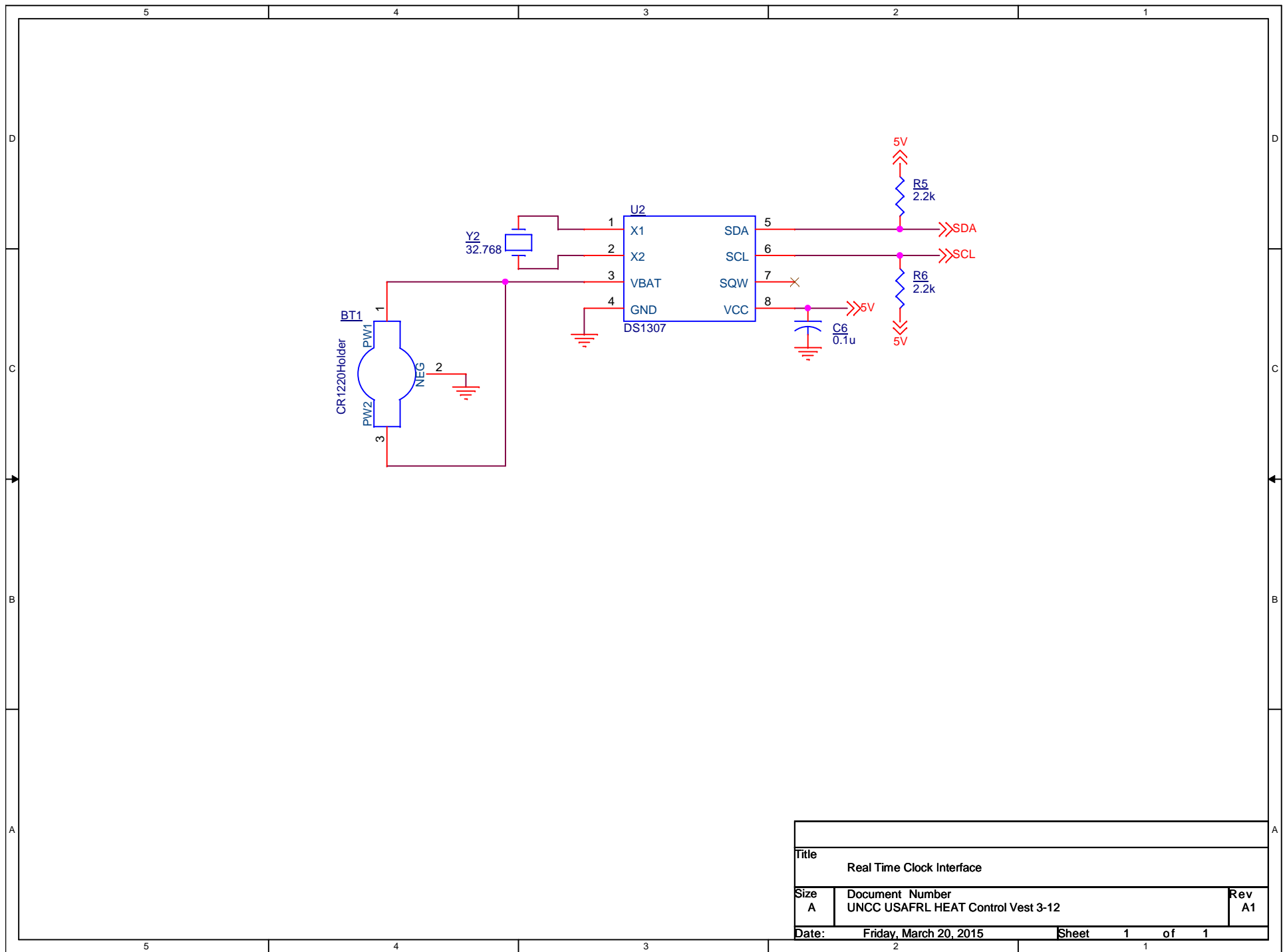


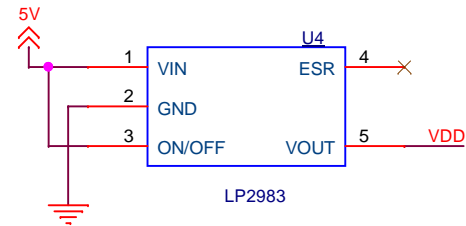
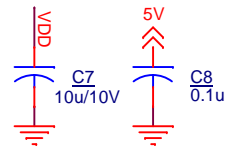
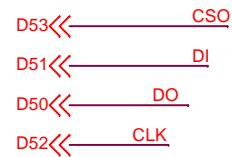
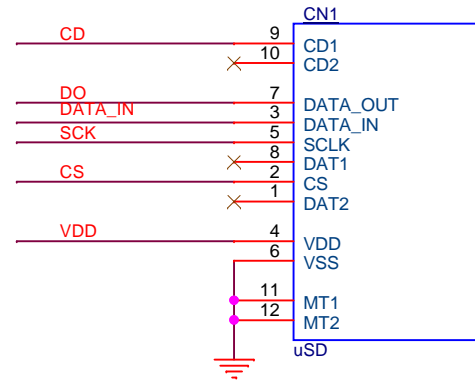
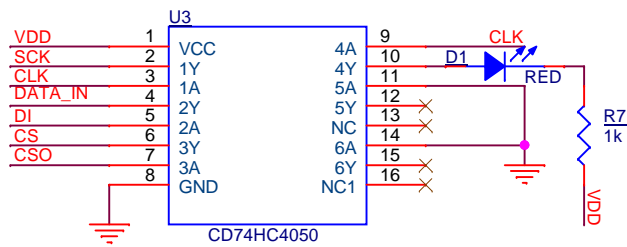
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Size	Document	Number	Rev
B	UNCC USAFRL HEAT Control Vest 2-12		A1
Date:	Wednesday, March 25, 2015		
	Sheet	1	of 1

REV	Description	DATE	BY
A1	Initial Layout	03/04/2015	Madison Traynham

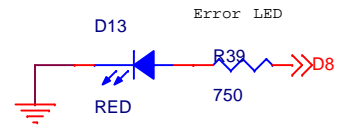
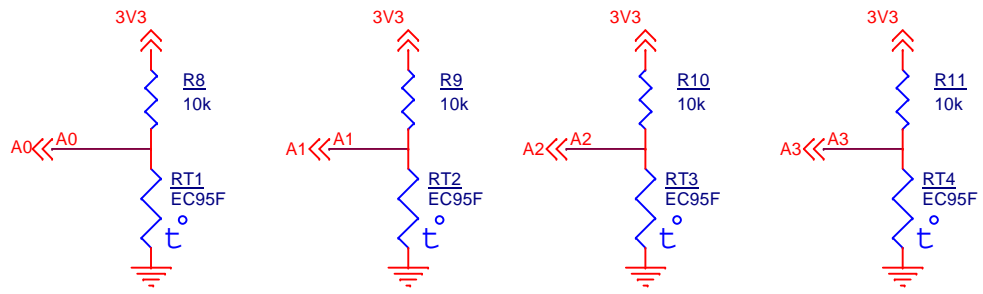
PAGE NO.	SCHEMATIC PAGE
1	COVER PAGE
2	Processor ATmega 2560
3	Real Time Clock
4	microSD
5	Thermistors
6	Thermocouples
7	PIC16F913 Heart Rate Monitor
8	Esp8266 WiFi Module
9	Accelerometer
10	Power Regulation
11	Programming Interface

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

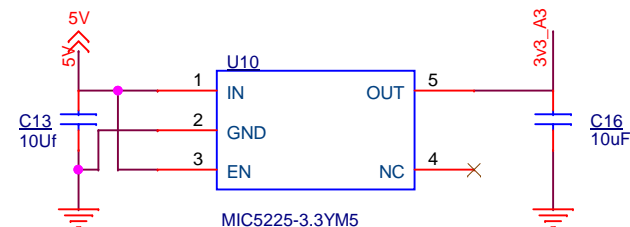
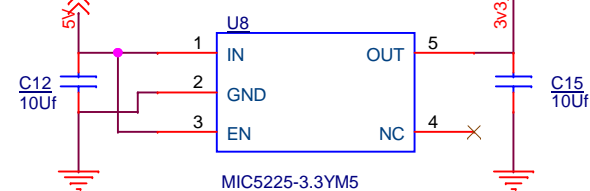
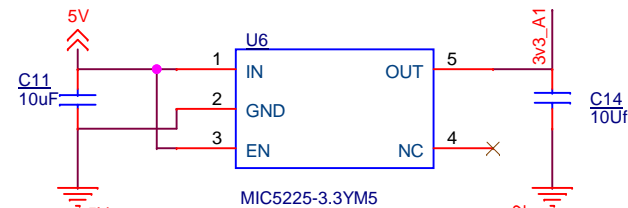
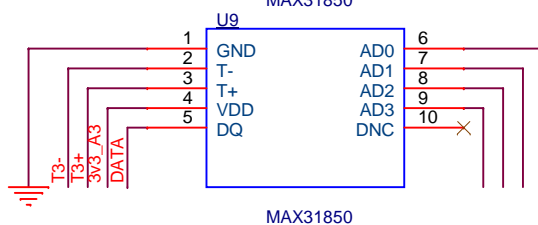
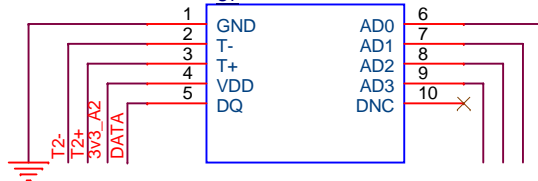
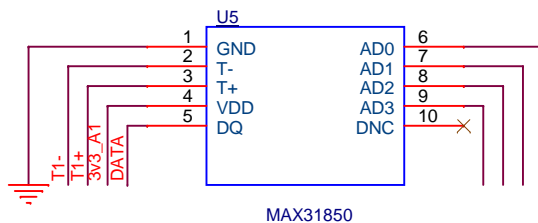
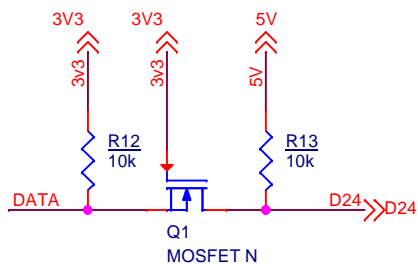
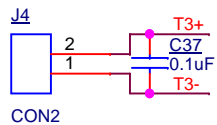
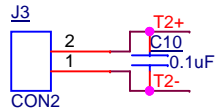
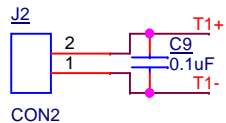




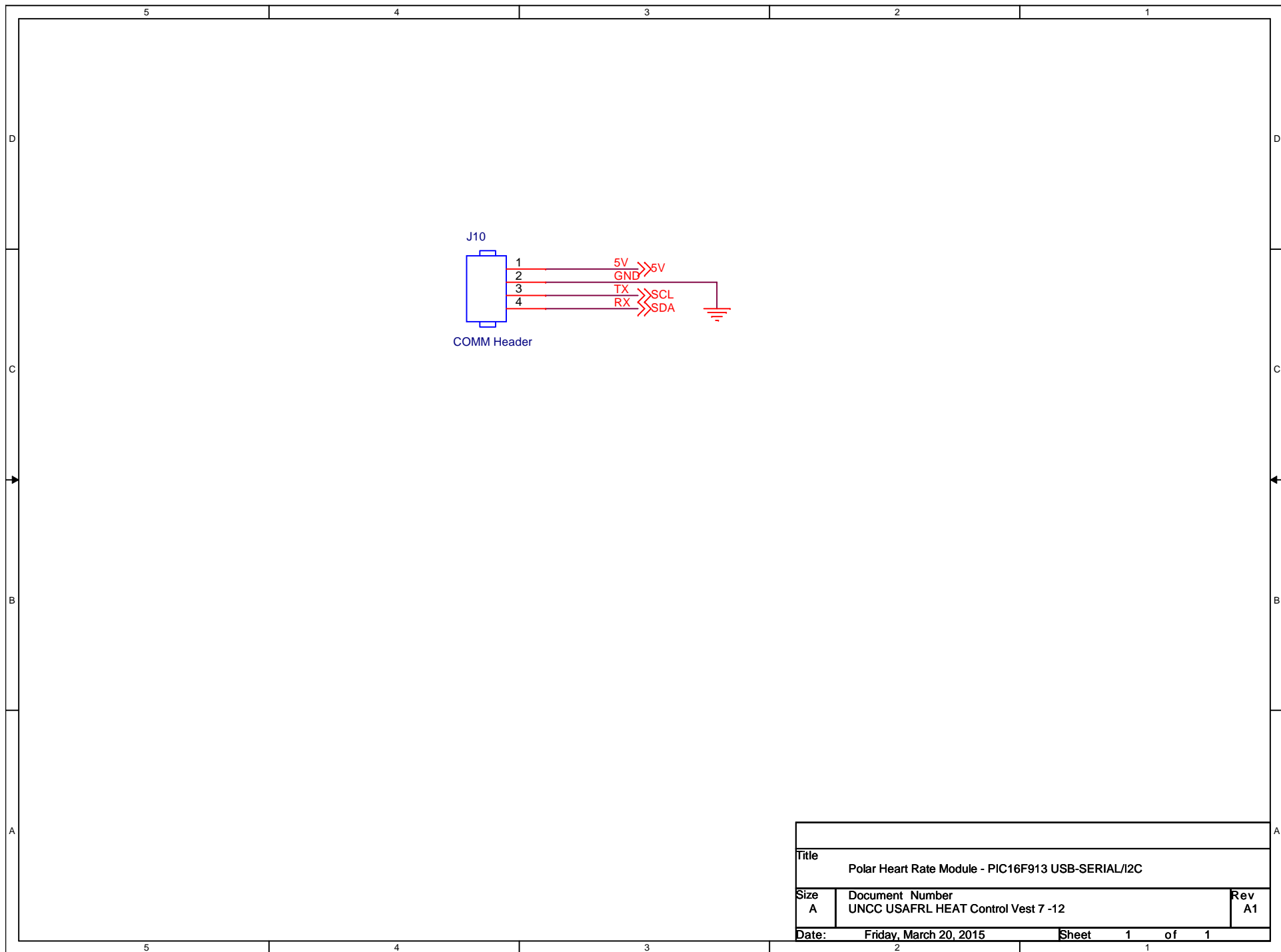
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Size	Document Number	Rev
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Date:	Friday, March 20, 2015	Sheet 1 of 1



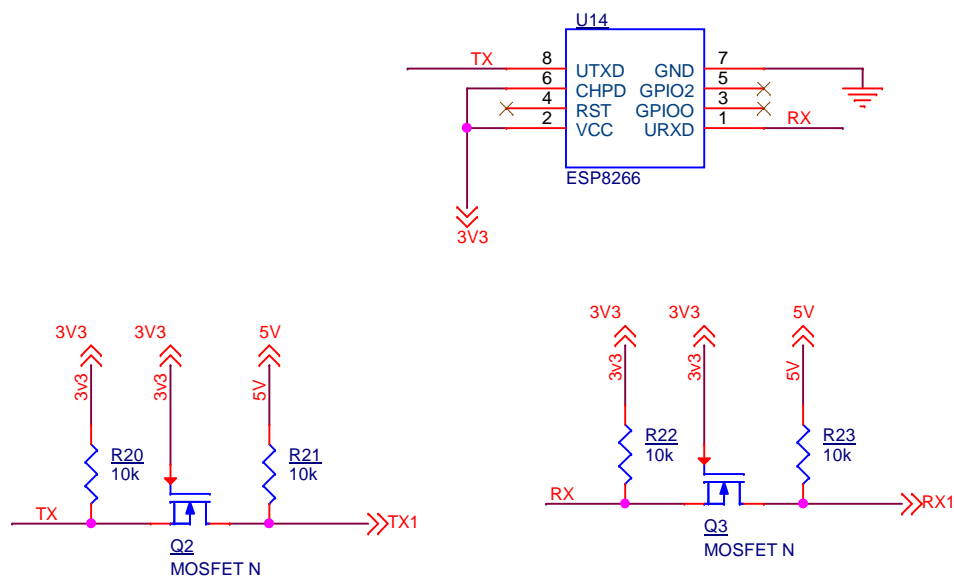
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Body Heat Interface-EC95F 10k Thermistors		
Size A	Document Number UNCC USAFRL HEAT Control Vest 5-12	Rev A1
Date: Friday, March 20, 2015	Sheet 1 of 1	



Title		
External Temperatures - MAX31850 K Type Thermocouple Interface		
Size A	Document Number UNCC USAFRL HEAT Control Vest 6 -12	Rev A1
Date:	Friday, March 20, 2015	Sheet 1 of 1

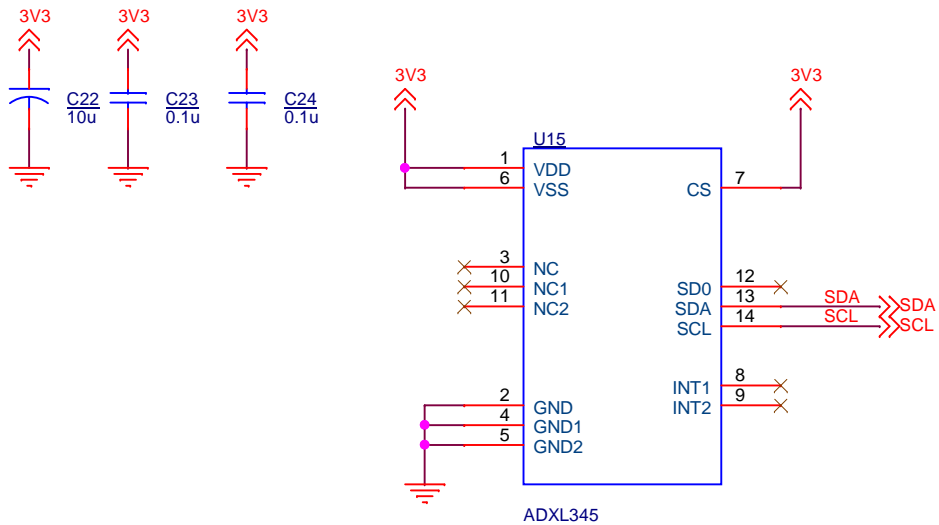


Title		
Polar Heart Rate Module - PIC16F913 USB-SERIAL/I2C		
Size A	Document Number UNCC USAFRL HEAT Control Vest 7 -12	Rev A1
Date: Friday, March 20, 2015	Sheet 1	of 1



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 A	Document Number UNCC USAFRL HEAT Control Vest 9 - 12	Rev A1
Date:	Friday, March 20, 2015	Sheet 1 of 1



