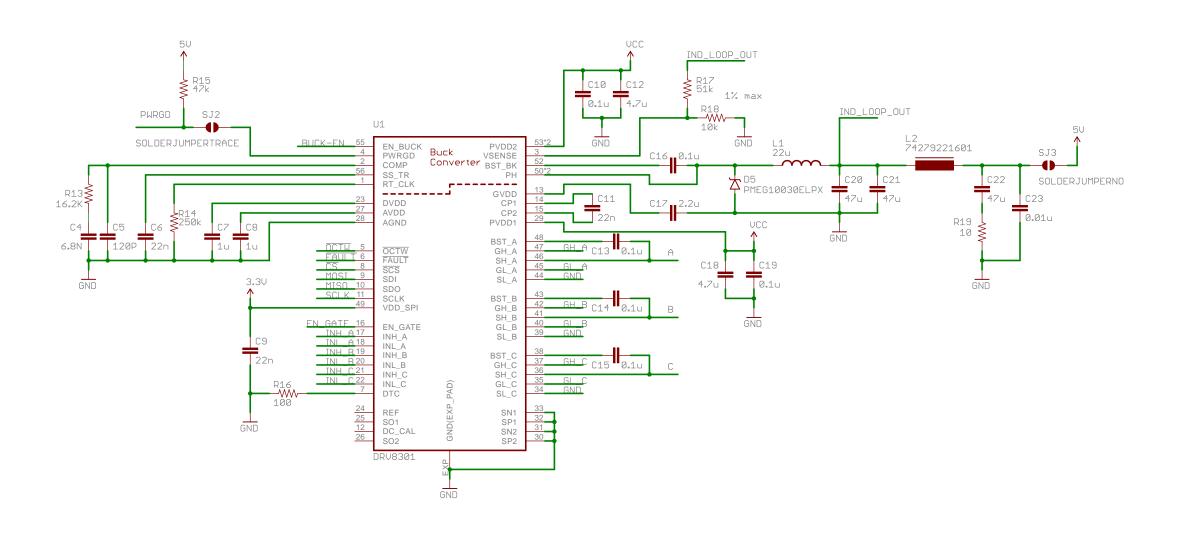


Input Protection		
ITLE: Main		
Design by: Thomas D'Agostino		REV B
Date: 1/29/2017 3:24:01 PM	Sheet: 1	./6

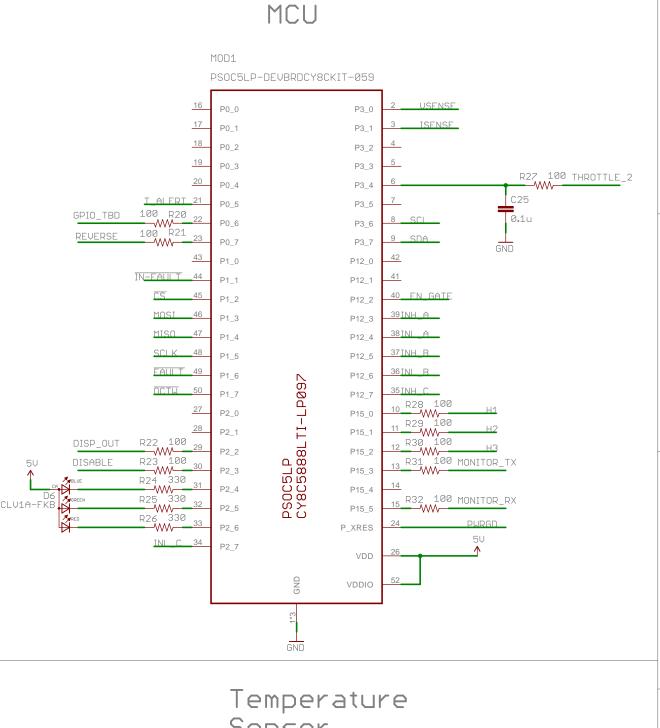
-All resistor tolerances 1% unless specified -All capacitors ceramic unless specified

# Gate Driver and Power Supply

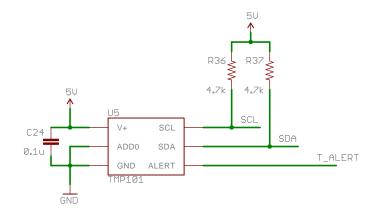


- -All resistor tolerances 1% unless specified -All capacitors ceramic unless specified

Gate	Driver	and	Buck	Conv.		
TITLE: Main						
Design Thomas	by: 5 D'Agostir	סר			REV: B	
Date: 1/	29/2017 3	:24:01	PM	Sheet: 2	2/6	



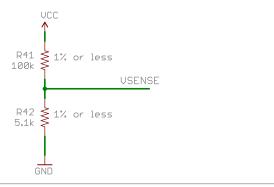
## Sensor



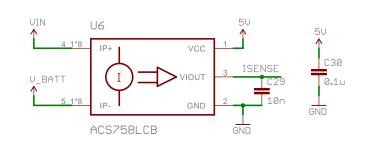
-All resistor tolerances 1% unless specified

-All capacitors ceramic unless specified

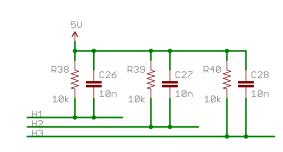
### Battery Voltage Divider



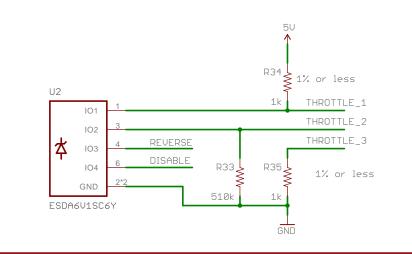
#### Hall-Effect Current Sensor



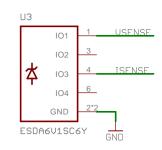
#### Motor Hall Sensor Filters

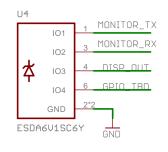


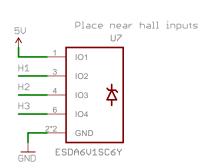
#### Throttle Input Divider and Protection



#### IO Protection







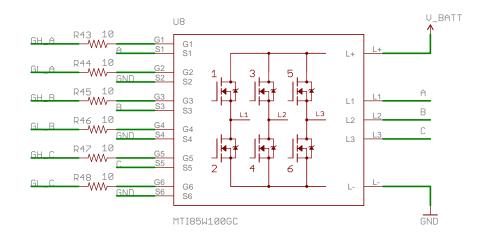
#### MCU

TITLE: Main

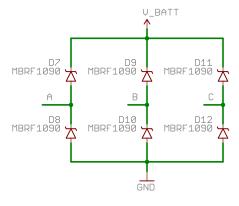
Design by: Thomas D'Agostino REV: В

Date: 1/29/2017 3:24:01 PM Sheet: 3/6

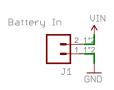
#### Power FET Module

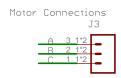


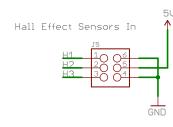
## Freewheeling Diodes



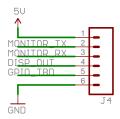
Power Stage	
TITLE: Main	
Design by: Thomas D'Agostino	REV: B
Date: 1/29/2017 3:24:01 PM Sheet:	4/6

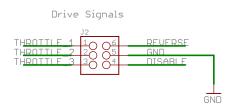






Display Signals





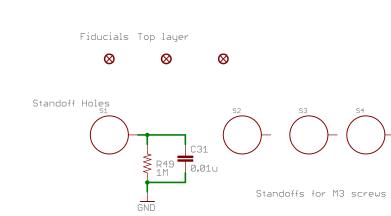
Connectors
TITLE: Main

Design by: Thomas D'Agostino

Date: 1/29/2017 3:24:01 PM Sheet: 5/6

REV: B

-All resistor tolerances 1% unless specified -All capacitors ceramic unless specified



Chassis ground bleed capacitor and resistor

Mechanical

TITLE: Main

Design by: Thomas D'Agostino Date: 1/29/2017 3:24:01 PM REV: B Sheet: 6/6

-All resistor tolerances 1% unless specified -All capacitors ceramic unless specified