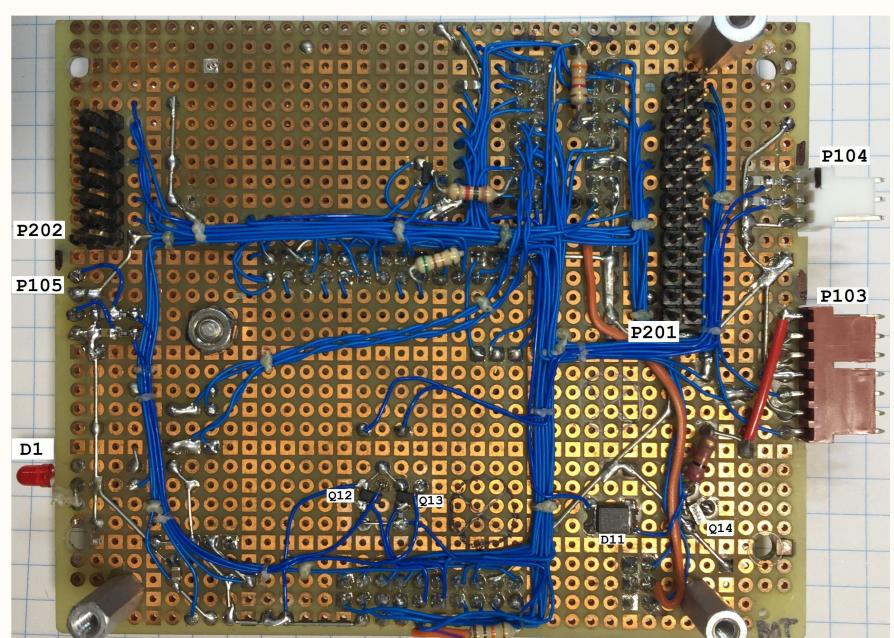
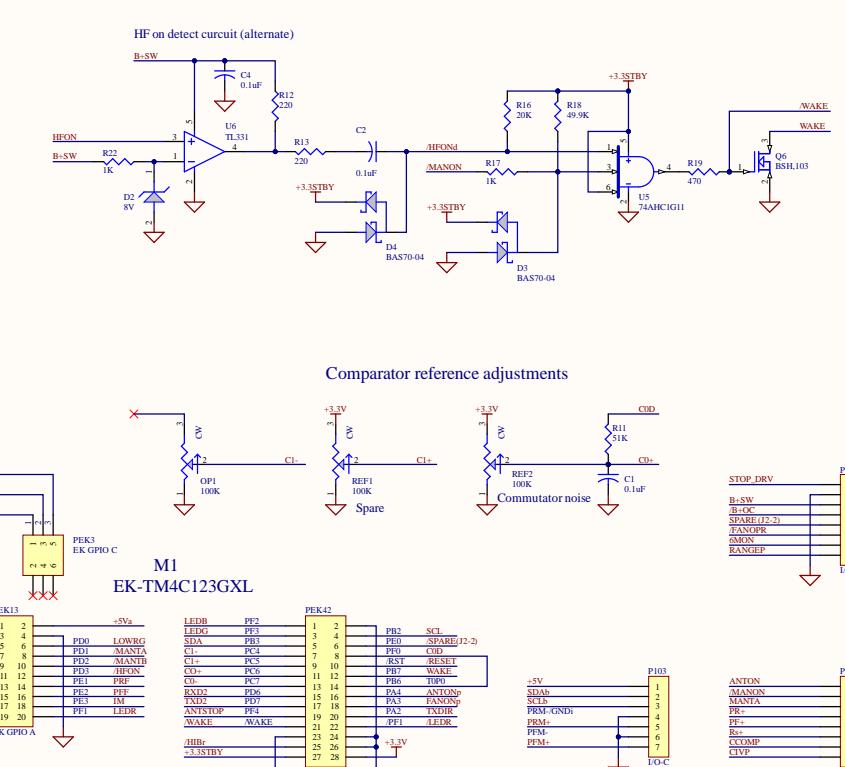


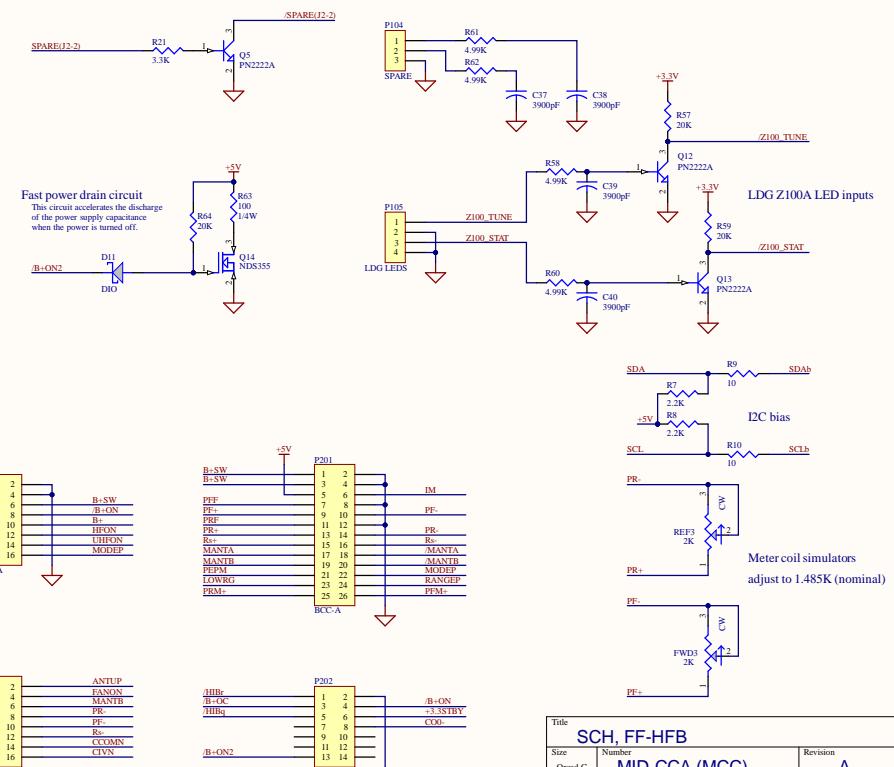
## MCC (top)



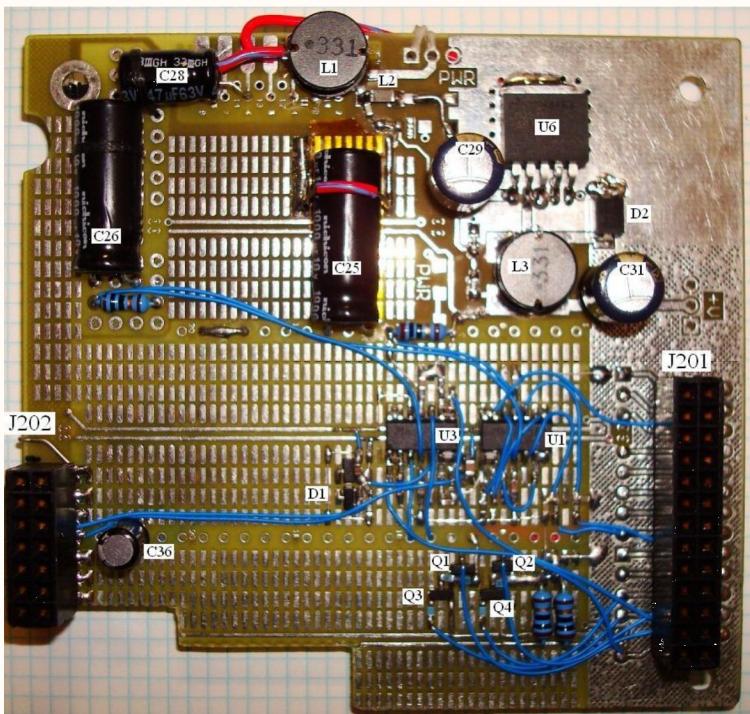
MCC (bot)



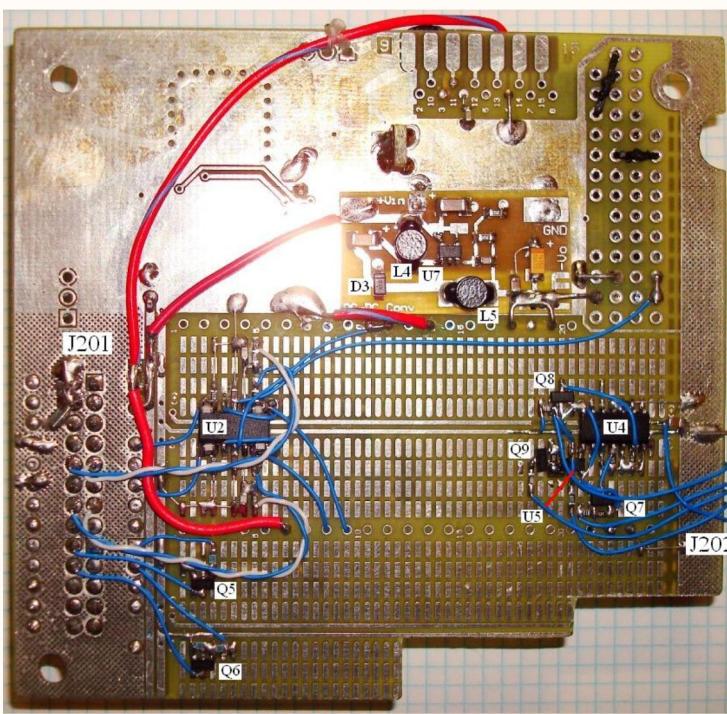
## Comparator reference adjustments



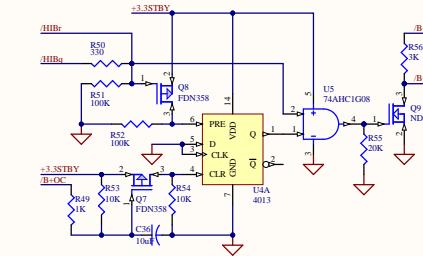
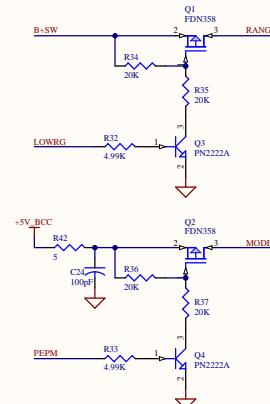
M1  
TM4C123GXL



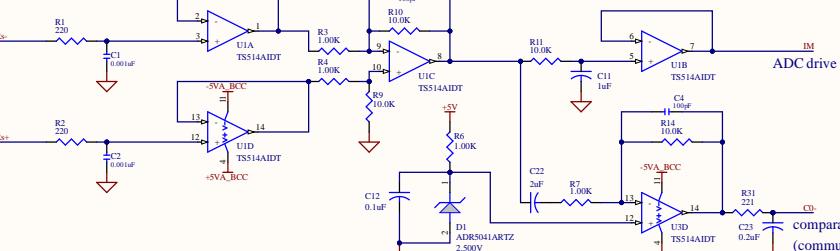
## BCC (top)



## BCC (bot)



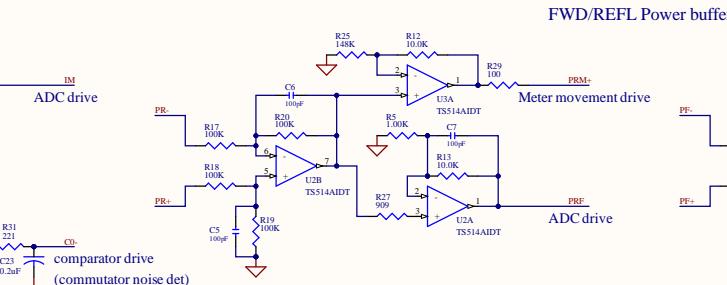
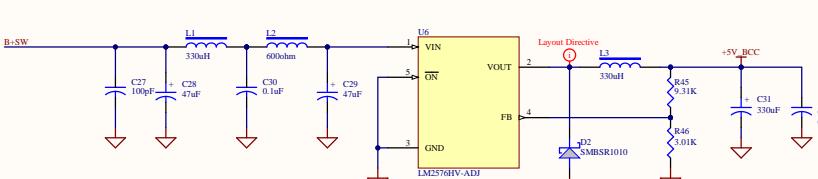
Screwdriver ANT motor current sensor buffer



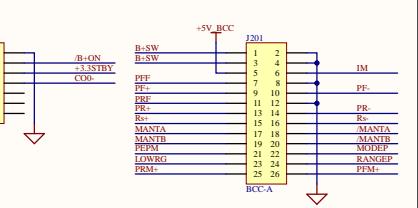
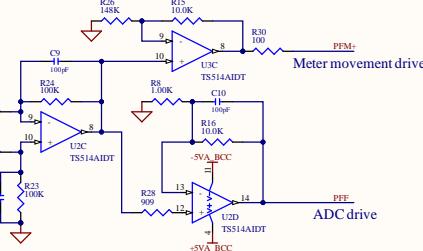
## Manual switch input buffers



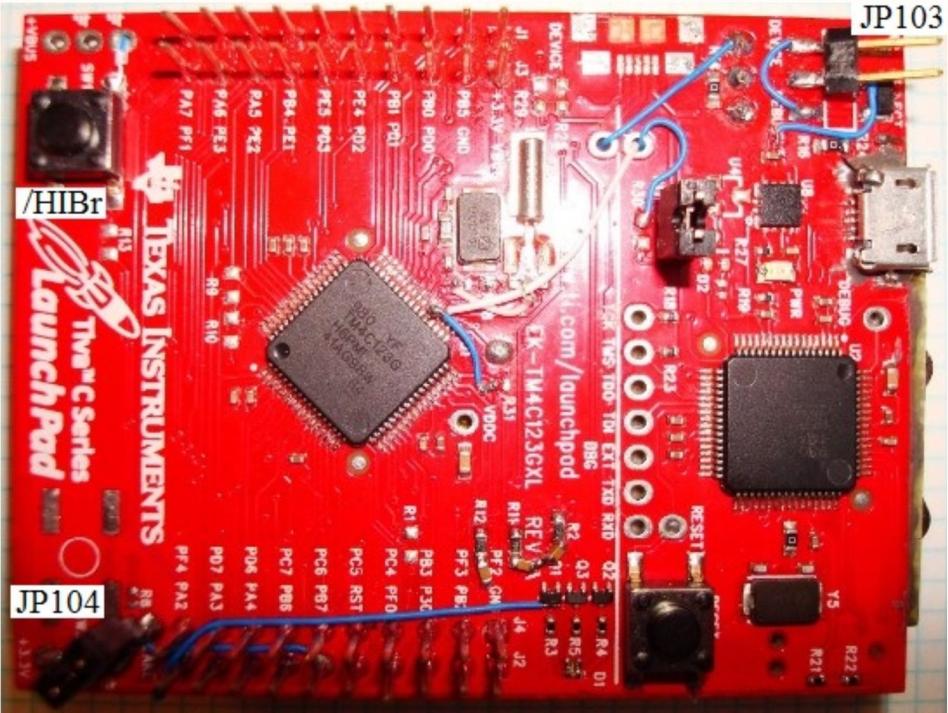
## Power supplies



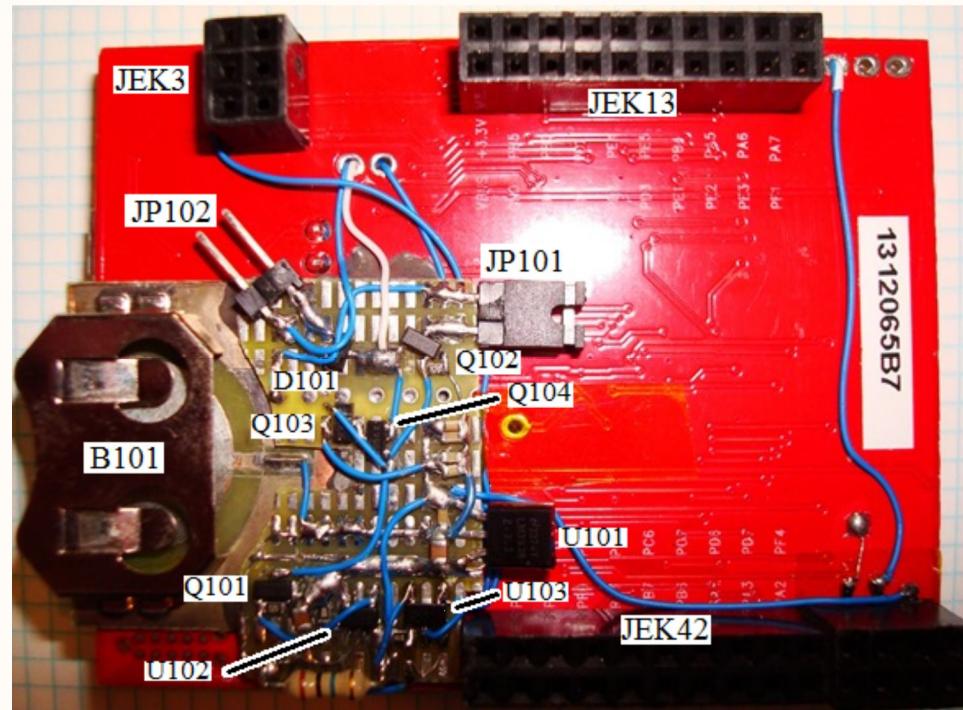
## FWD/REFL Power buffer



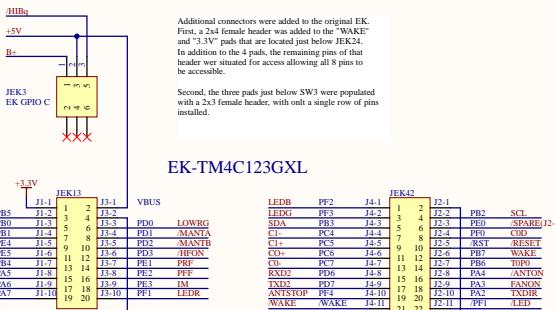
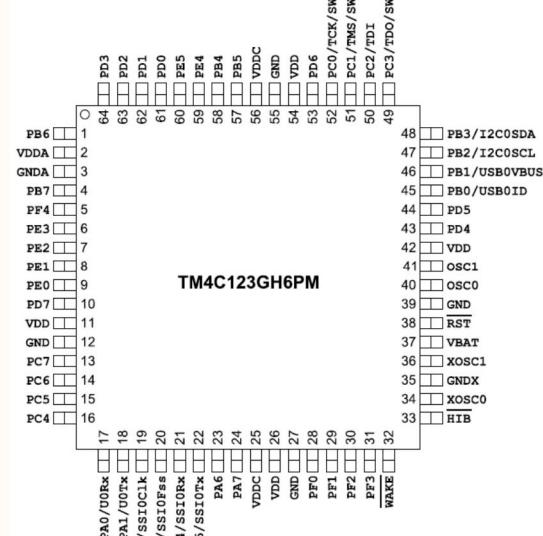
Q	Title	
12	<b>SCH, FF-HFB</b>	
U4B 4013	Size	Number
	Orcad C	<b>BOT-CCA (BCC)</b>
	Date:	Sheet 3 of 5
	File:	Drawn By:



TivaLP (top)

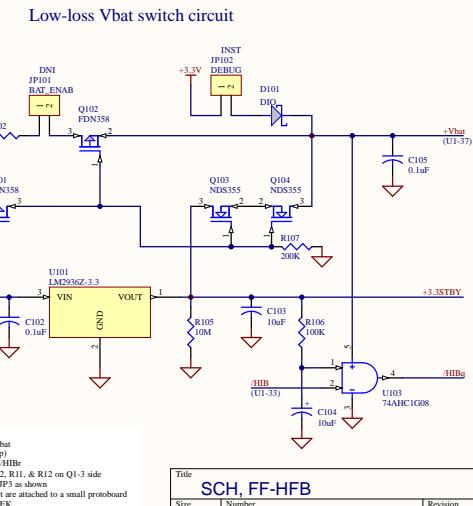


TivaLP (bot)



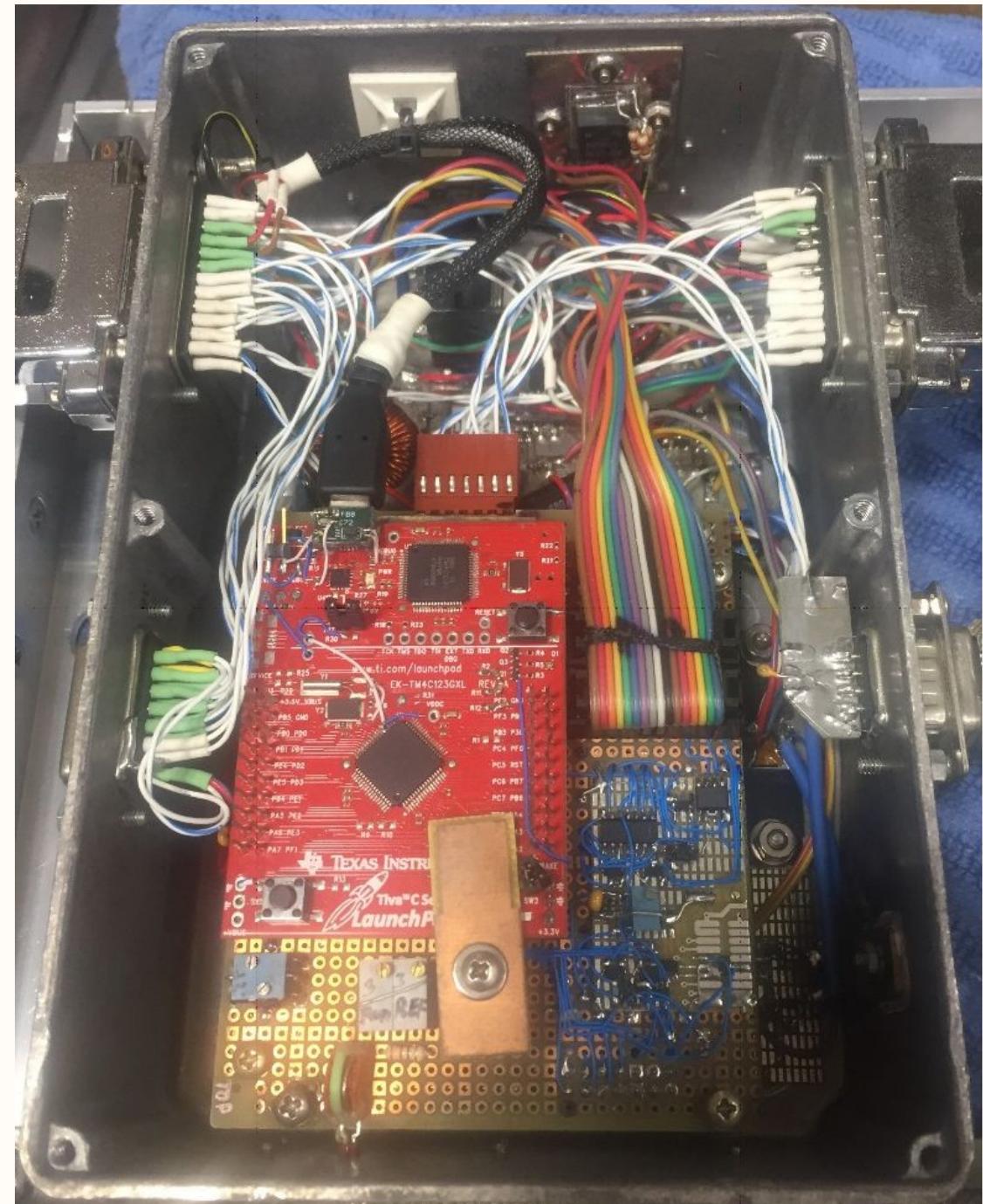
Additional connections were added for the original EK. First, 2x4 female header was added for VBAT, WAKE, and +3.3V pads that are located just below JEK24. In addition to the 4 pads, the remaining pins of that header were situated for access allowing all 8 pins to be accessible.

Second, the three pads just below SW3 were populated with a 2x3 female header, with only a single row of pins installed.

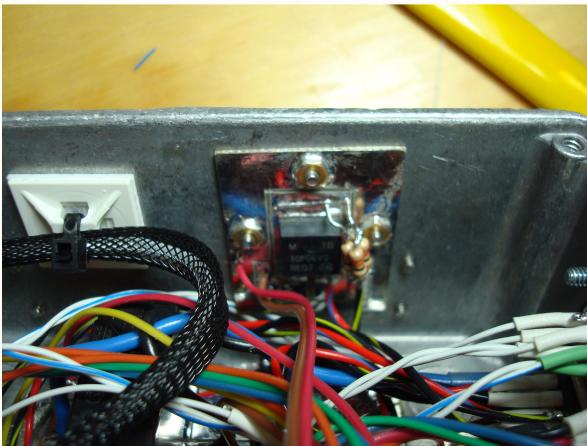


Title		Revision	
Size	Number	Orcad C	A
	<b>EK-MODS</b>		
Date:	6/04/2023	Sheet 4 of 5	
File:	C:\Users\...\EKMODS.Sch	Drawn By:	

A



B



MOTOR E-BRAKE

C

A

B

C

D

Title		
SCH, FF-HFB		
Size	Number	Revision
Orcad C	Chassis Views	A
Date:	6/04/2023	Sheet 5 of 5
File:	C:\Users...\CHASSIS.Sch	Drawn By: