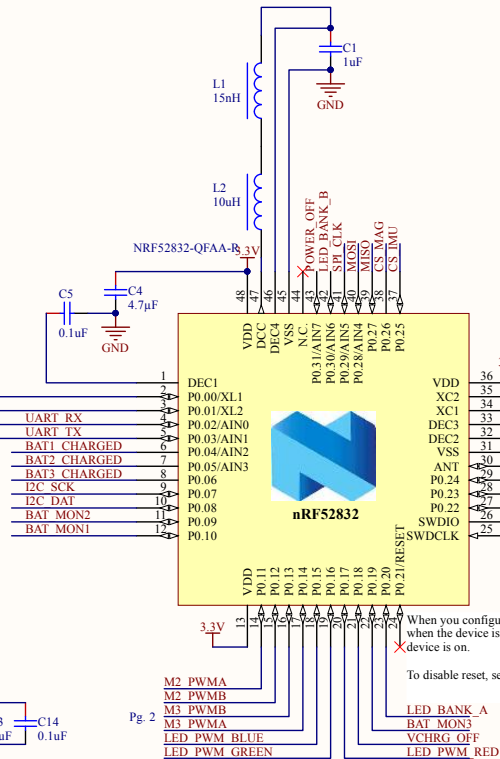


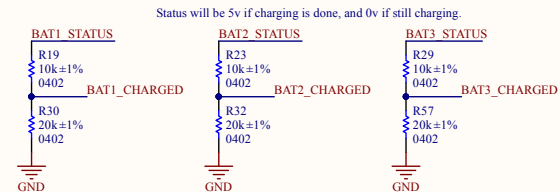
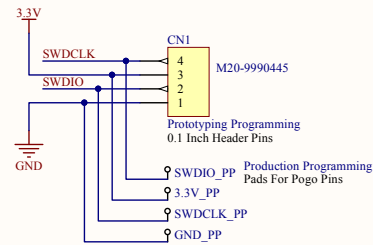
JST-BM07B-SRSS-TB(LF)(SN) GND



Pg. 2

When you configure pin21 as RESET it will be hardware configured to pull-up internally. The reason it is active low is that when the device is turned off the pin will be 0, and when it turns on it will be 1, there is a simple way to know when/if your device is on.

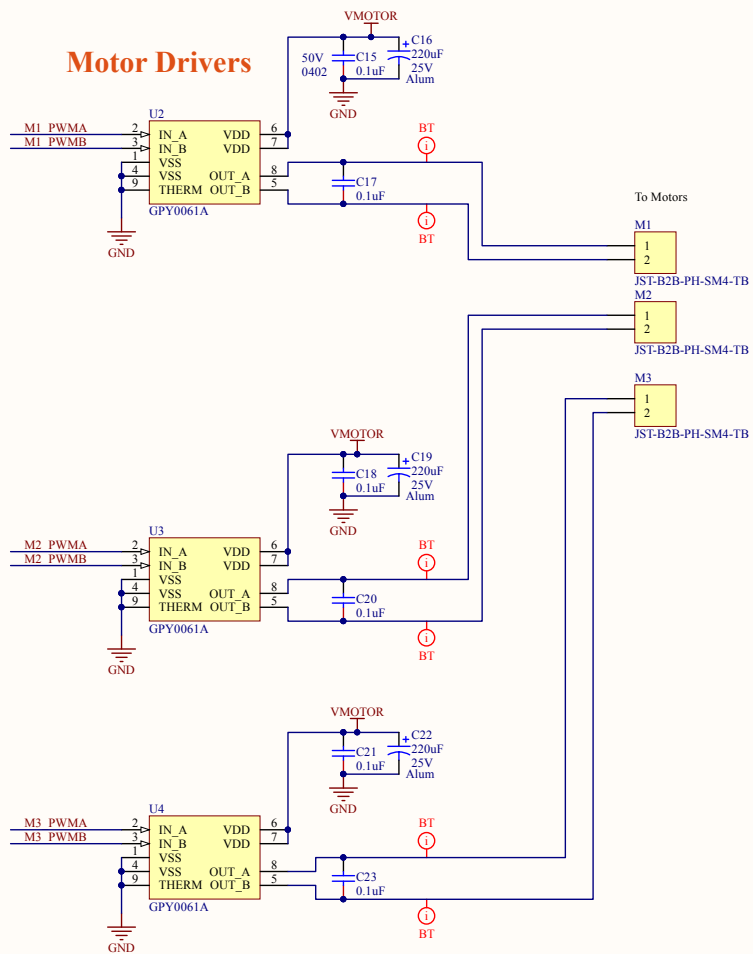
To disable reset, set PSELRESET registers and reset the chip. They are retained and will disable reset.




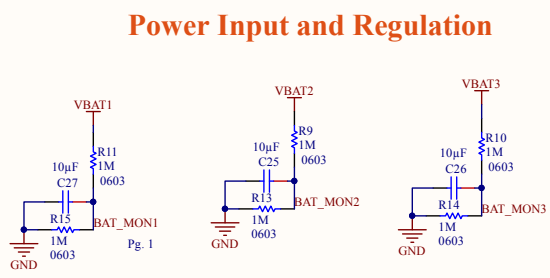
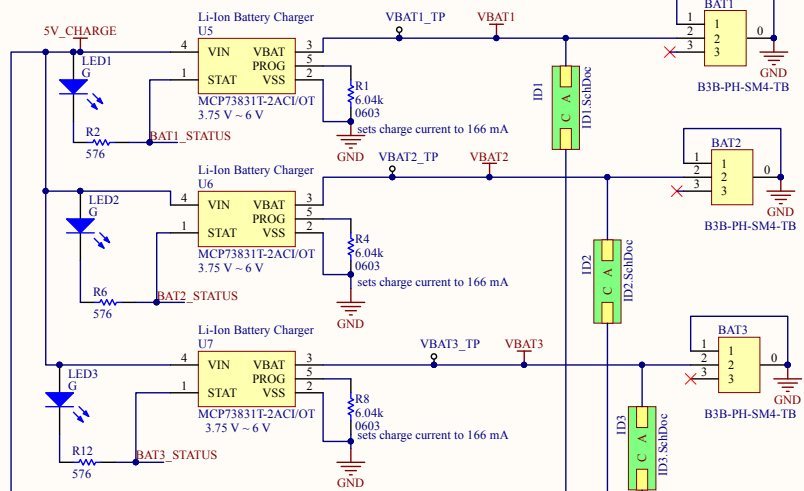
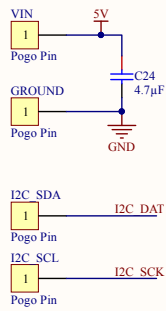
Status will be 5v if charging is done, and 0v if still charging.

Title <b>CTR Controller - BTLE</b>			OLogic, Inc. 1394 Borregas Ave. Sunnyvale, CA 94089 USA (650) 996-1490	
By: TWL	Number: 112216	Revision: A		
Date: 4/4/2017	Time: 2:09:15 AM	Sheet 1 of 4		
File: CTR-Lower-Main-Board-Rev-C-BTLE-1 SchDoc				

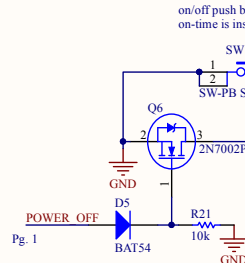
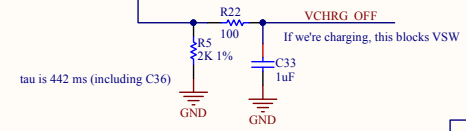
## Motor Drivers



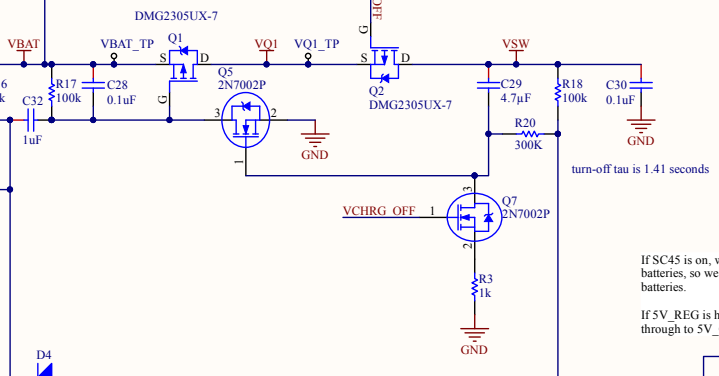
Title <b>CTR Controller - Motor</b>			<i>OLogic, Inc. 1394 Borregas Ave. Sunnyvale, CA 94089 USA (650) 996-1490</i>	
By: <b>TWL</b>	Number: <b>112216</b>	Revision: <b>A</b>		
Date: <b>4/4/2017</b>	Time: <b>2:09:15 AM</b>	Sheet <b>2</b> of <b>4</b>		
File: <b>CTR-Lower-Main-Board-Rev-C-Motor-2 SchDoc</b>				



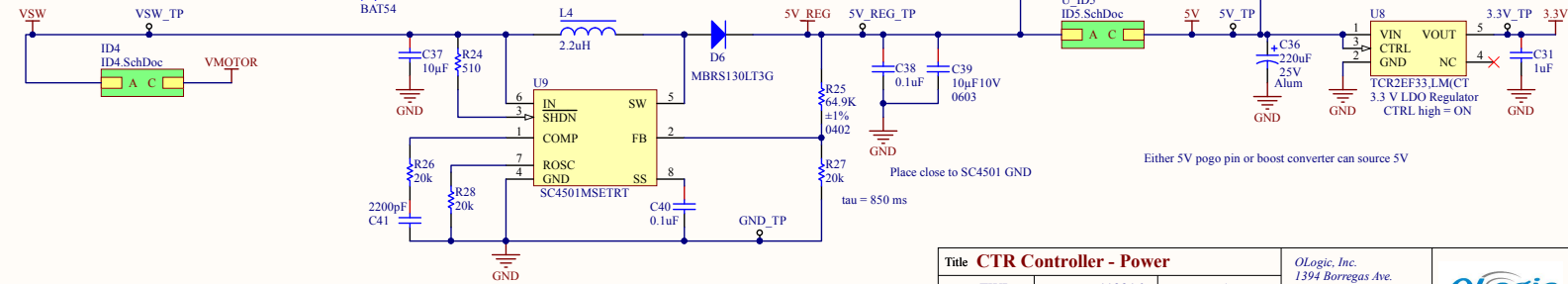
## Power Input and Regulation




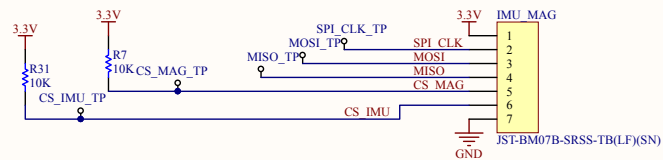
on/off push button  
on-time is instant

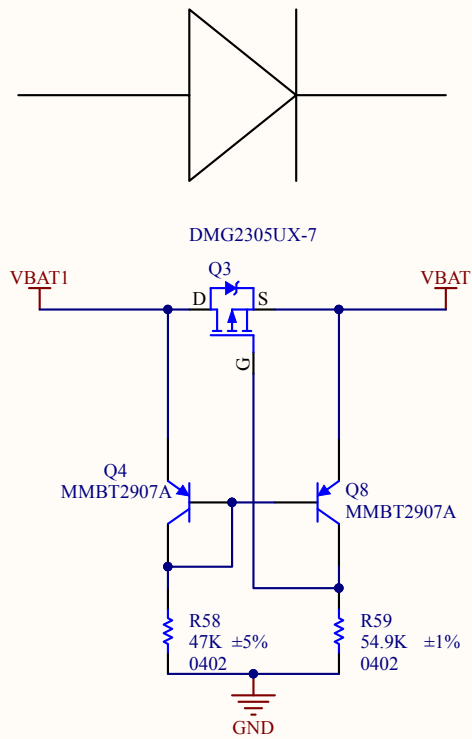


If SC45 is on, we are getting power from batteries, so we should block from charging the batteries.  
If 5V\_REG is high, this blocks 5V from passing through to 5V\_CHARGE.

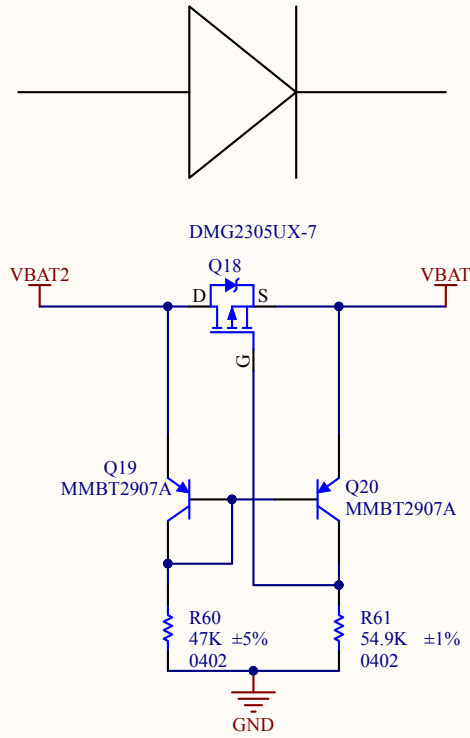


Title <b>CTR Controller - Power</b>			<i>OLogic, Inc.</i> 1394 Borregas Ave. Sunnyvale, CA 94089 USA (650) 996-1490		
By: <b>TWL</b>	Number: <b>112216</b>	Revision: <b>A</b>			
Date: <b>4/4/2017</b>	Time: <b>2:09:15 AM</b>	Sheet <b>3</b> of <b>4</b>			
File: <b>CTR-Lower-Main-Board-Rev-C-Power-3.SchDoc</b>					





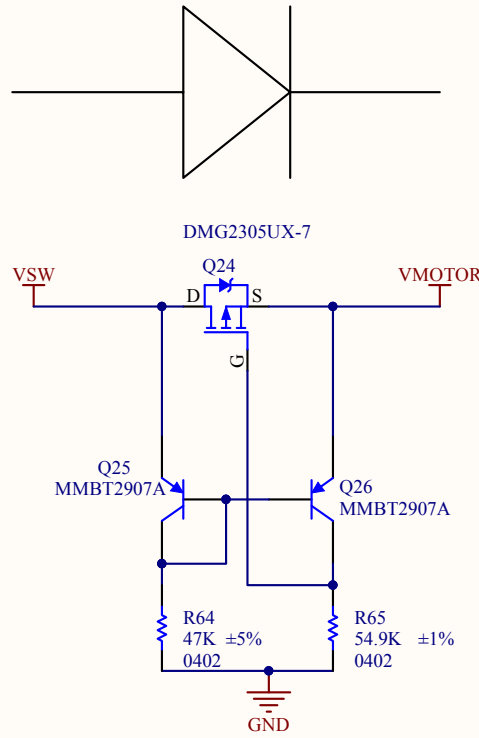
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Date:	4/4/2017	Sheet of
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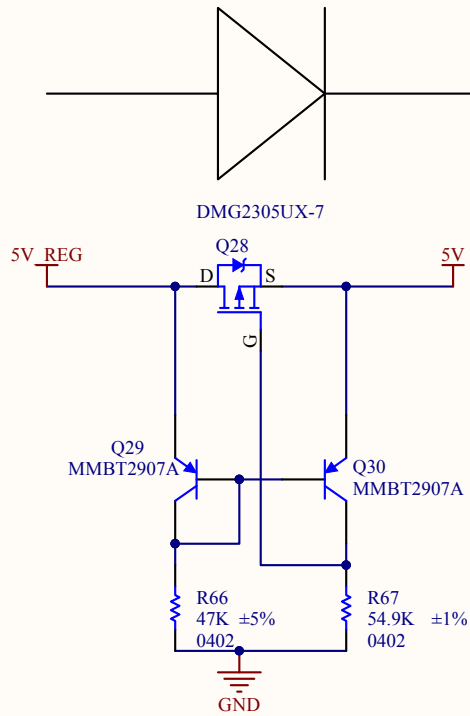
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Date:	4/4/2017	Sheet of
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Size	Number	Revision
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Date:	4/4/2017	Sheet of
File:	C:\Users\...\ID4.SchDoc	Drawn By:



Title		
Size	Number	Revision
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Date:	4/4/2017	Sheet of
File:	C:\Users\...\ID5.SchDoc	Drawn By:

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B							B												
C	U_CTR-Lower-Main-Board-Rev-C-Sensors-4 CTR-Lower-Main-Board-Rev-C-Sensors-4.SchDoc		U_CTR-Lower-Main-Board-Rev-C-LED-5 CTR-Lower-Main-Board-Rev-C-LED-5.SchDoc				C												
D					<table><tr><td colspan="3">Title</td></tr><tr><td>Size A</td><td>Number</td><td>Revision</td></tr><tr><td>Date:</td><td>4/4/2017</td><td>Sheet of</td></tr><tr><td>File:</td><td>C:\Users\...\TopSheet.SchDoc</td><td>Drawn By:</td></tr></table>		Title			Size A	Number	Revision	Date:	4/4/2017	Sheet of	File:	C:\Users\...\TopSheet.SchDoc	Drawn By:	D
Title																			
Size A	Number	Revision																	
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