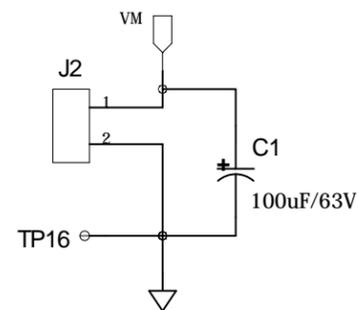
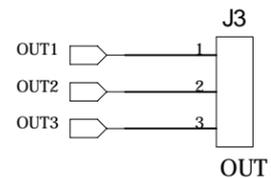


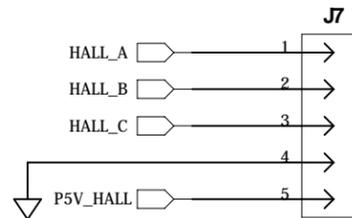
Input Connector



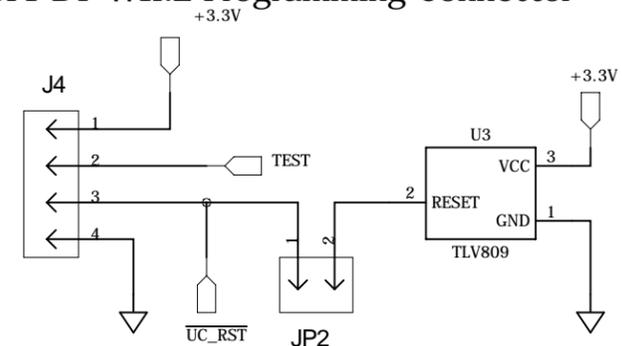
Motor Terminals Connector



Hall-Effect Sensor Connector

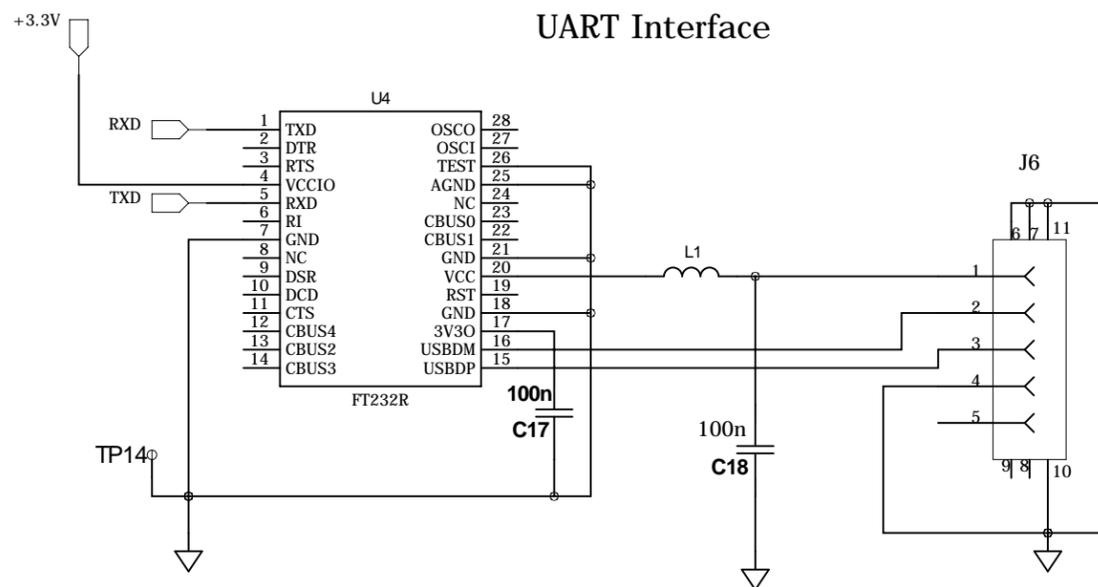


SPI-BY-WIRE Programming Connector

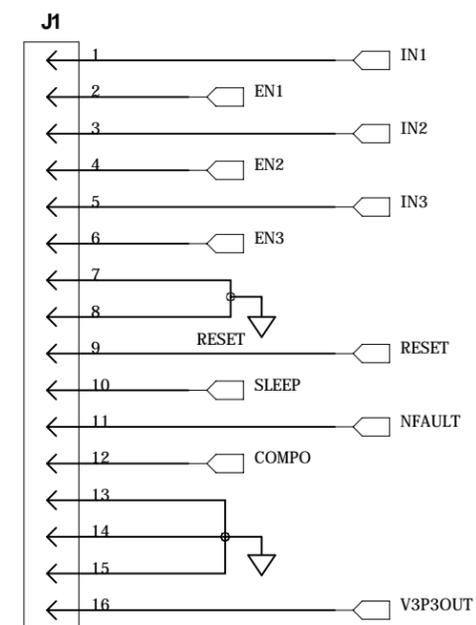


Close: normal operating condition
Open: only for programming MCU U5

UART Interface

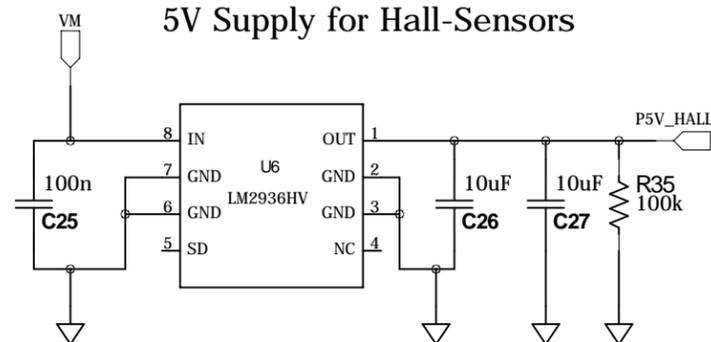


DRV8313 Signal Interface Connector

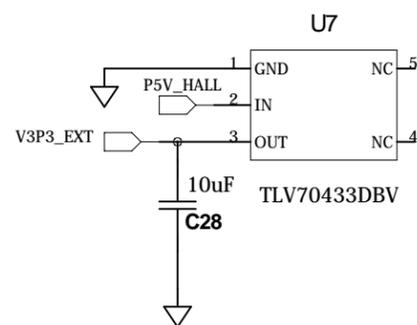


J1 can be used to interface DRV8313 from external Micro-Controller

5V Supply for Hall-Sensors



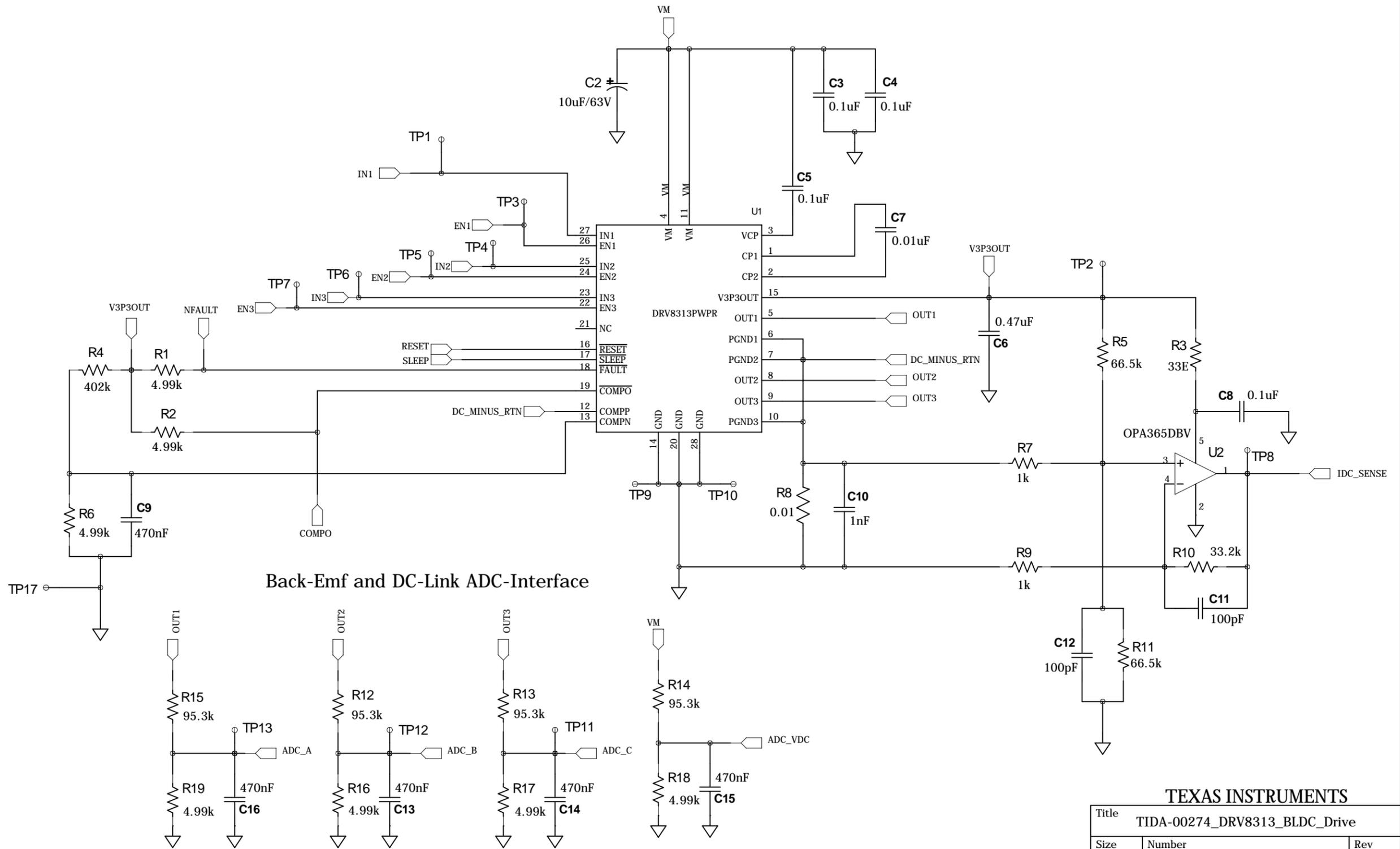
3.3V Power Supply



TEXAS INSTRUMENTS

Title			TIDA-00274_DRV8313_BLDC_Drive		
Size	Number	Rev			
B	TIDA-00274	A			
Date	01-July-2014	Drawn by	Milan Rajne		
Filename	Sheet		1 of 3		

DRV8313 Test_Points + DC-Link-Current-Sesne



Back-Emf and DC-Link ADC-Interface

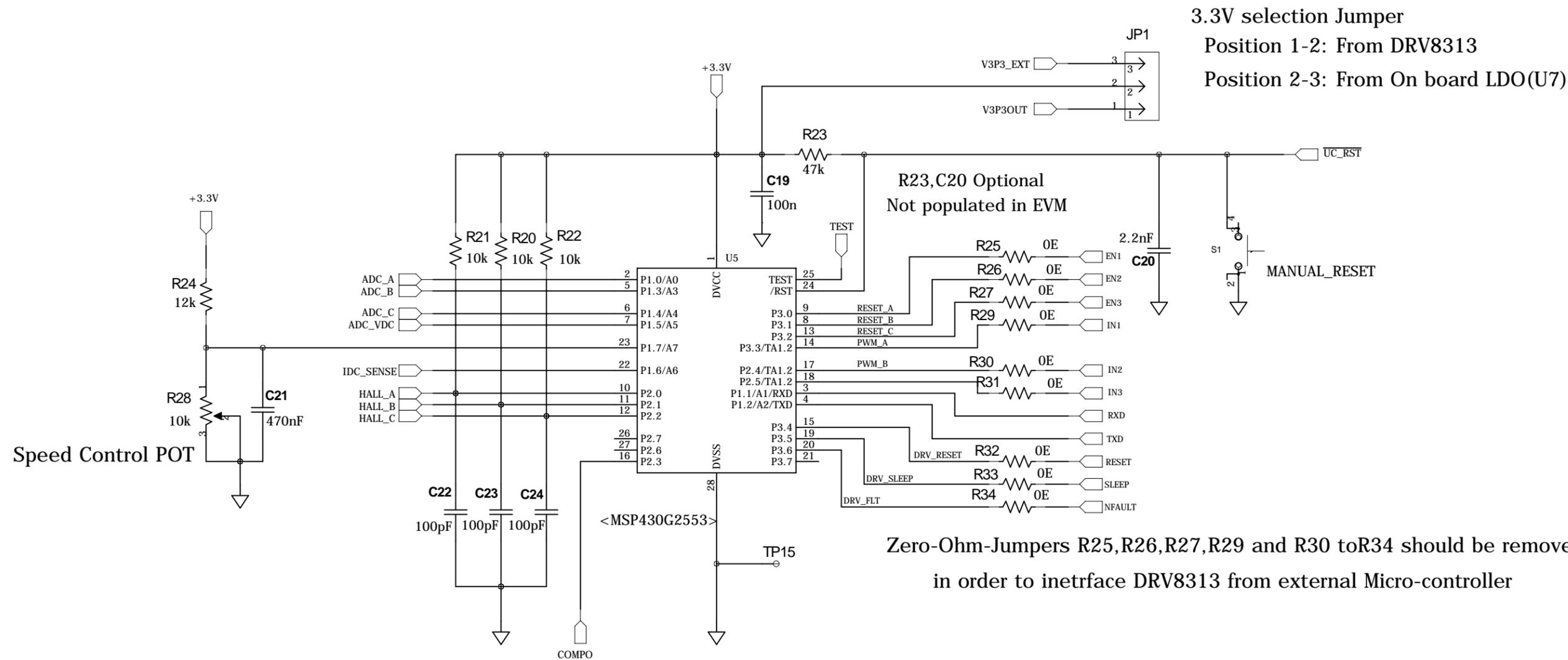
C13,C14,C16 Optional (not populated in EVM)

TEXAS INSTRUMENTS		
Title TIDA-00274_DRV8313_BLDC_Drive		
Size B	Number TIDA-00274	Rev A
Date 7/1/2014	Drawn by Milan Rajne	
Filename	Sheet 2 of 3	

Engineer Milan Rajne

7/1/2014

MPS430G2553 Interconnection



3.3V selection Jumper
 Position 1-2: From DRV8313
 Position 2-3: From On board LDO(U7)

Zero-Ohm-Jumpers R25,R26,R27,R29 and R30 toR34 should be removed
 in order to inetface DRV8313 from external Micro-controller

TEXAS INSTRUMENTS		
Title TIDA-00274_DRV8313_BLDC_Drive		
Size B	Number TIDA-00274	Rev A
Date 7/1/2014	Drawn by Milan Rajne	
Engineer Milan Rajne	Sheet 3 of 3	
7/1/2014		

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