

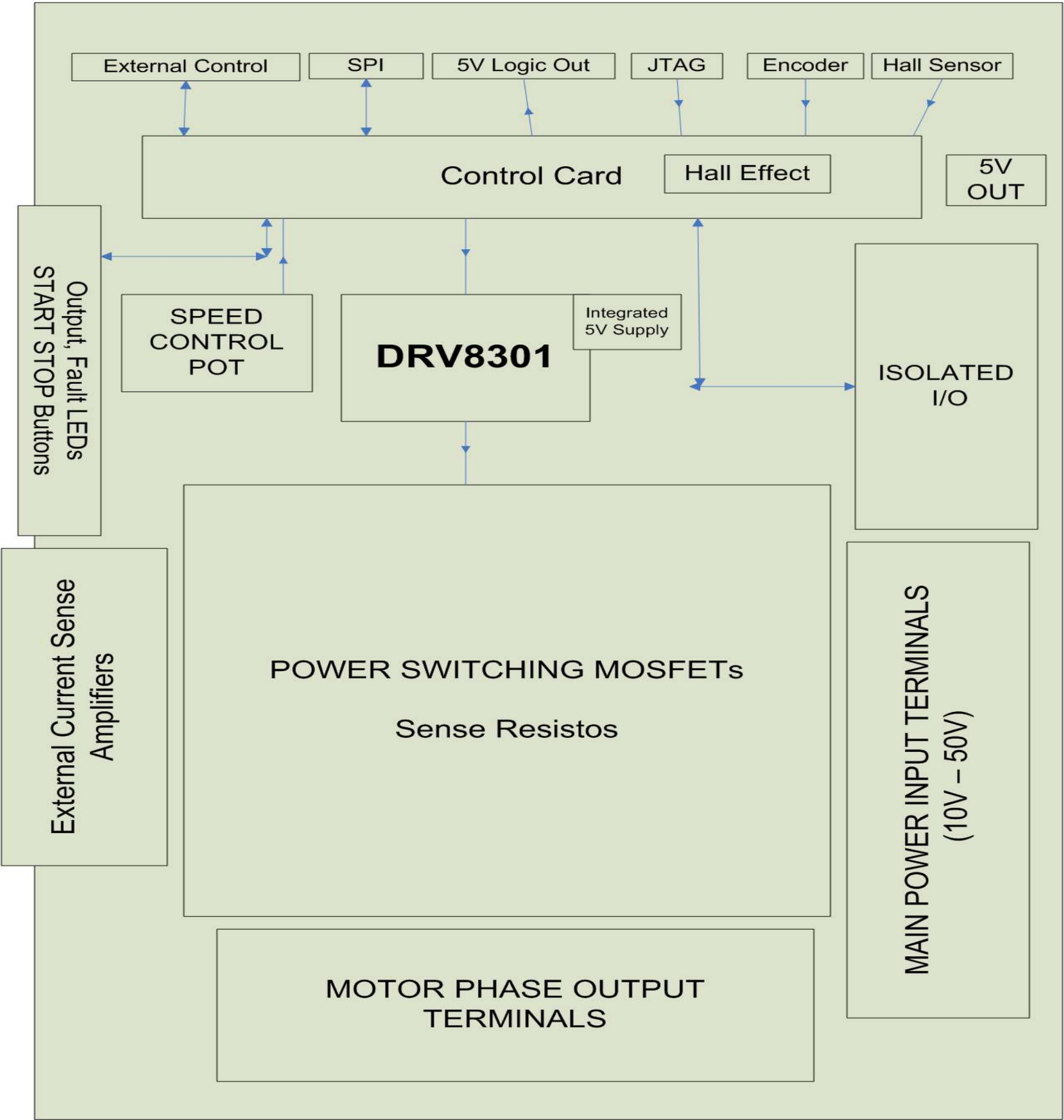
Notes - Unless otherwise noted
1. Resistances values in Ohms
2. Capacitance values in microfarads (uF)
3. All 0.1uF and 0.01uF capacitors are decoupling and should be placed near the IC they are shown with.

	REVISION HISTORY			
REV	DESCRIPTION		DATE	ENG
A1	INITIAL SCHEMATIC		04-08-2011	AIY
A2	REMOVED ANALOG SWITCHES CHANGED FEEDBACK		05-12-2011	AKS
A3	CHANGED THE SIZE OF THE SENSE RESITORS ADDED PULL-UP/PULL-DOWN ON SPI LINES REMOVED 0-OHM RESISTORS ON CURRENT SENSE		05-25-2011	AKS
B1	FIXED DRV8301 CURRENT SENSE POLARITY NO-POP ALL EXTERNAL CURRENT SENSE COMPONENTS CHANGED C14 TO 25V 0805 PACKAGE FETS CHANGED TO VISHAY SUM110N06-3M9H CHANGED CURRENT SENSE RESISTORS TO 2mOHM RECONFIGURED DC BUS CAPS SPLIT POWER CONNECTOR INTO TWO CONNECTORS		07-14-2011	JPW
C1	LAYOUT CHANGES TO IMPROVE GROUND CONNECTIONS FOR DE-COUPLING CAPACITORS C10, C14, C72 CREATED BOM VARIANT FOR DRV8302 CHANGED R12, R13, R21 TO 1K CHANGED R43, R47 TO 1K (DRV8302 ONLY)		08-12-2011	AKS

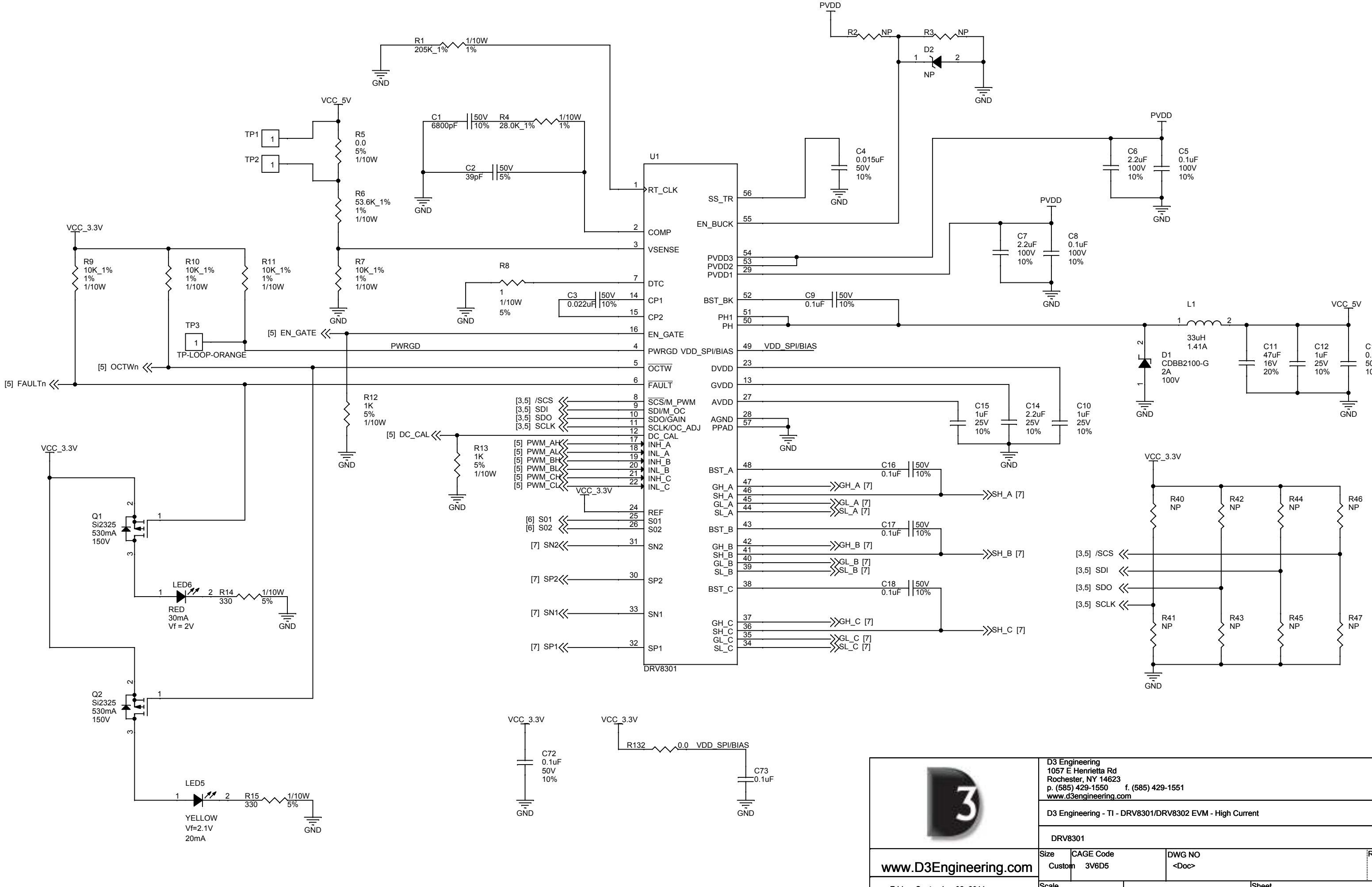
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Page 2 - Block Diagram
Page 3 - DRV8301/DRV8302
Page 4 - Isolation Circuitry
Page 5 - DIMM Socket - Connectors - Switches
Page 6 - Power Input - Voltage Regulators - Current Sense Amplifiers
Page 7 - Half Bridges - Motor Output

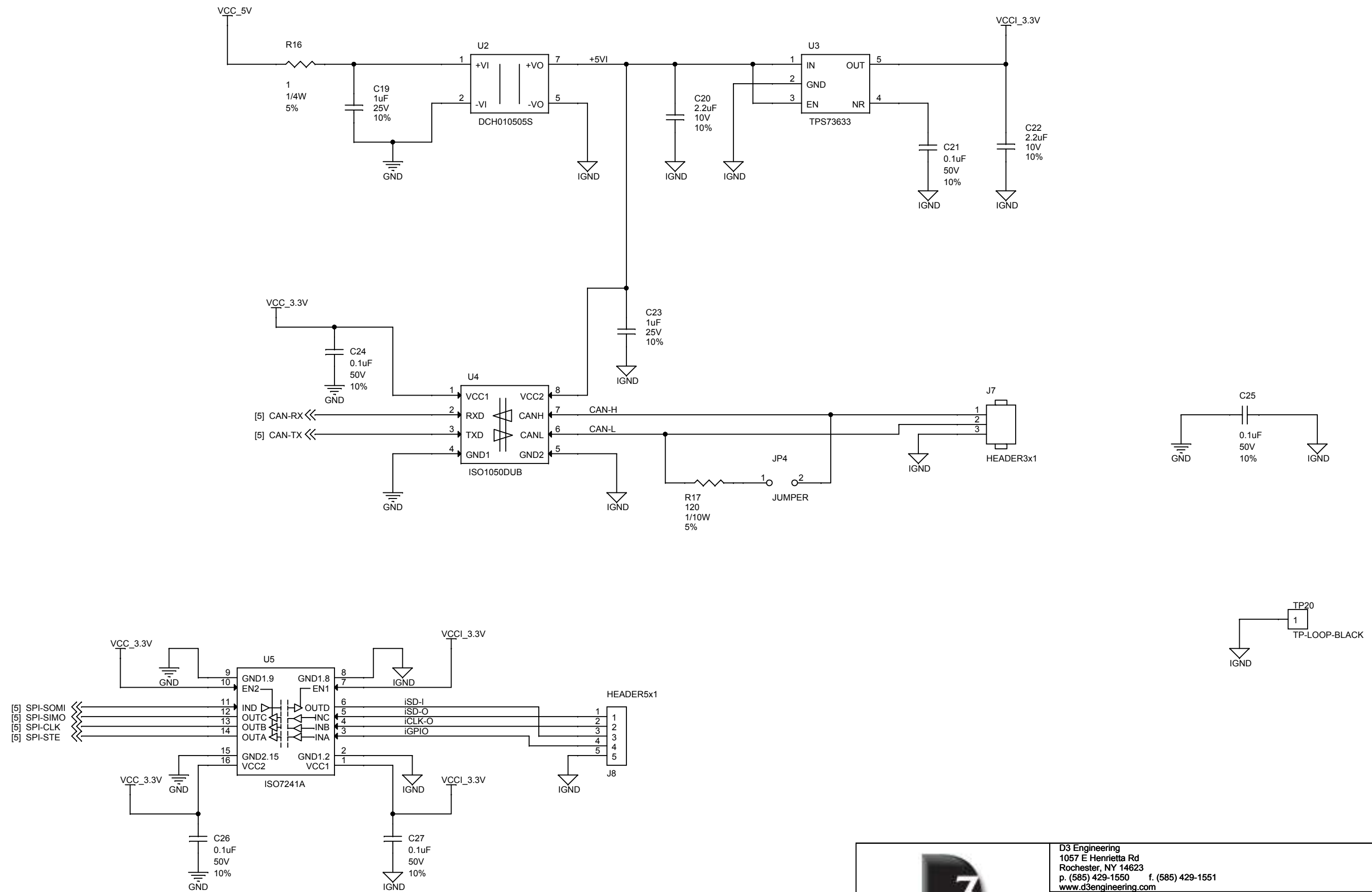
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	D3 Engineering - TI - DRV8301/DRV8302 EVM - High Current			
	Title - Index - Revisions			
www.D3Engineering.com	Size	CAGE Code	DWG NO	Rev
		3V6D5	<Doc>	C1
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DRV8301 EVM Block Diagram



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	Block Diagram			
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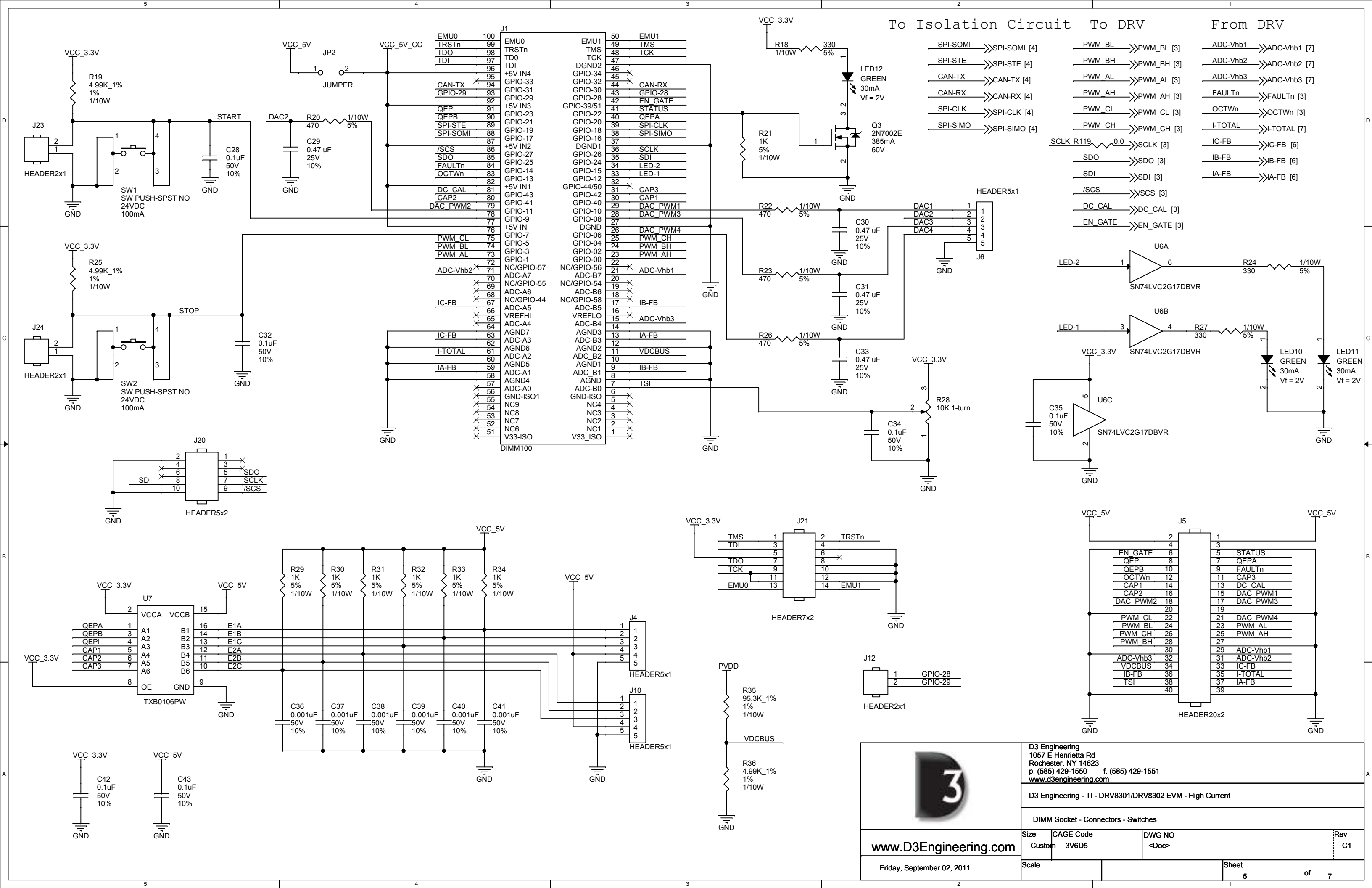
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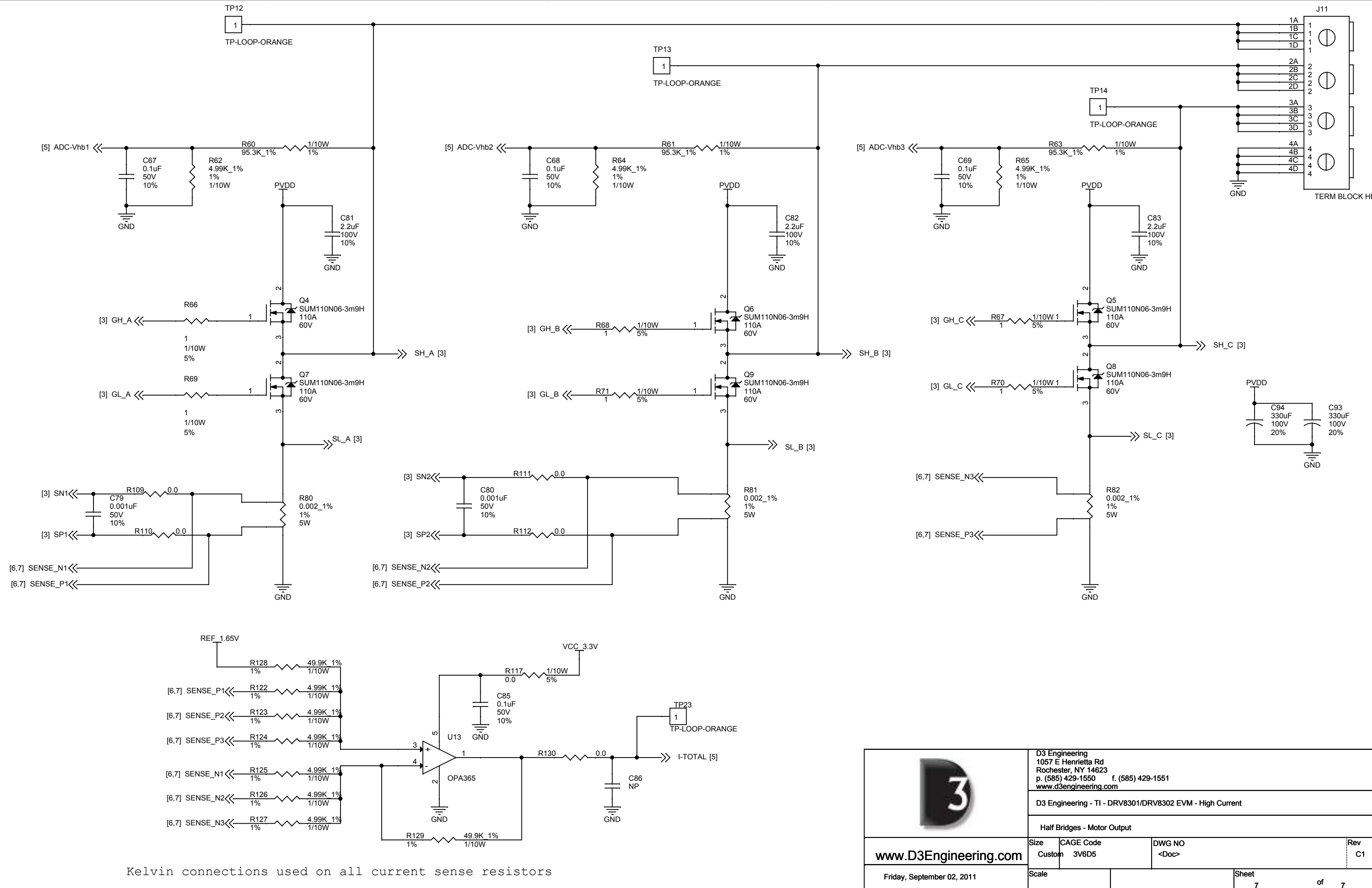
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Isolation Circuitry

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Scale	Sheet	of
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Half Bridges - Motor Output

Size	CAGE Code	DWG NO	Rev
Custom	3V6D5	<Doc>	C1

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