PDU

POWER DISTRIBUTION UNIT

File Name	Page	Description
Title.SchDoc	1	
Microcontroller.SchDoc	2	ATmega16M1 microcontroller and peripherals
Drivers.SchDoc	3	High-side load switches
Connectors.SchDoc	4	Connectors and mechanical components

Revision	Date	Remarks
0	2015-11-18	Initial 3 output design
1	2015-11-27	Added 4 additional outputs, 2 analog inputs, split schematic into 3 sheets
2	2015-12-06	Removed starter driver, replaced current sense resistors with 0603 package, tuned microcontroller pinout
3	2015-12-07	Added input protection
4	2015-12-11	Replaced 3.3V CAN transceiver with correct 5V part
5	2015-12-16	Added 8 MHz crystal, replace Wurth power element with hole and pad for M5 bolt and washers

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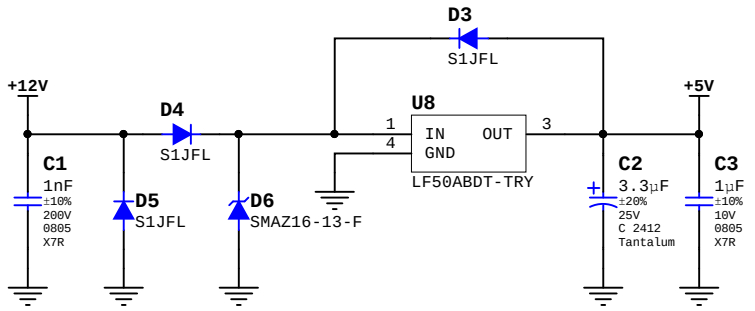
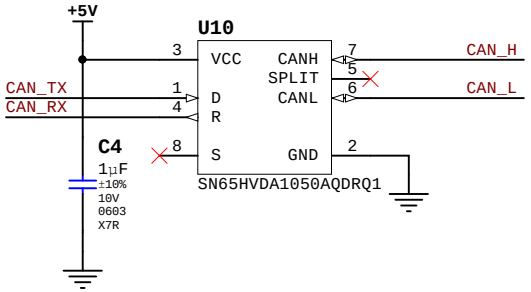
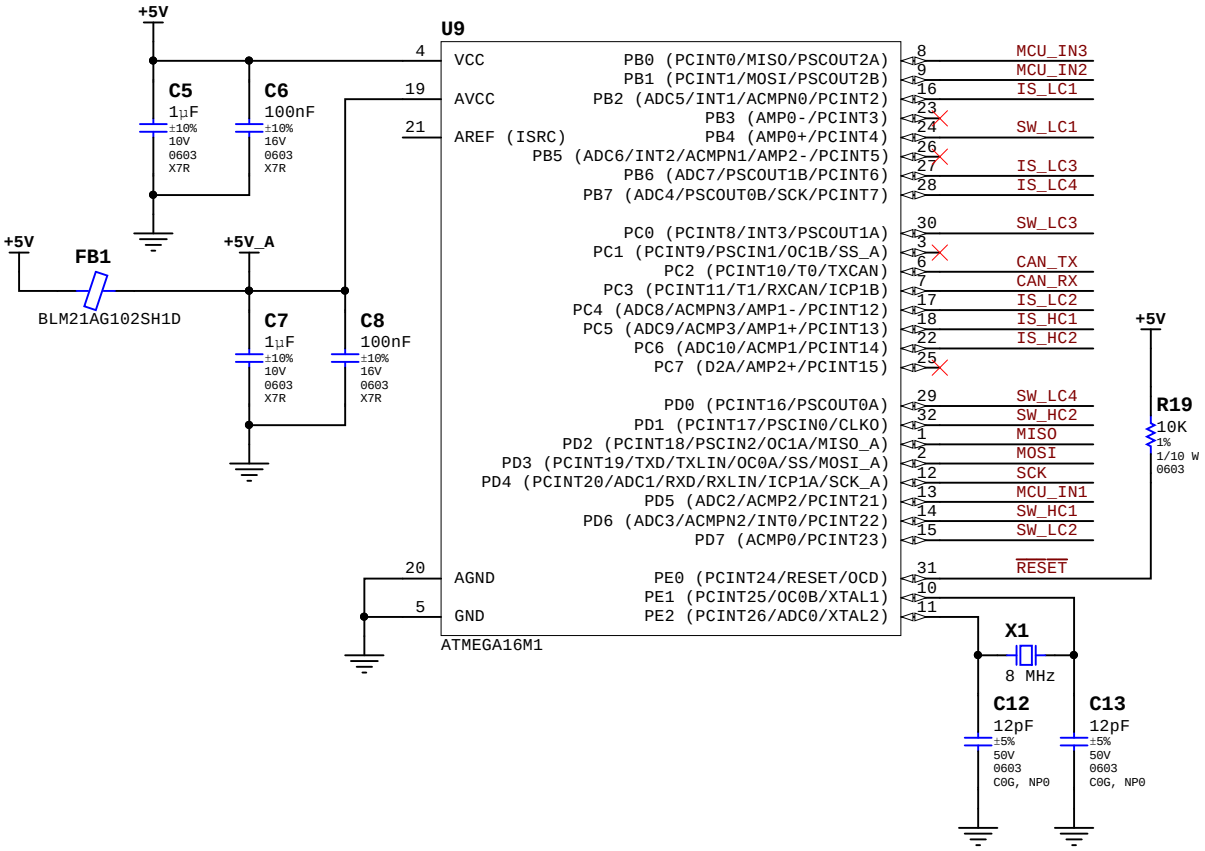
+5V REGULATOR

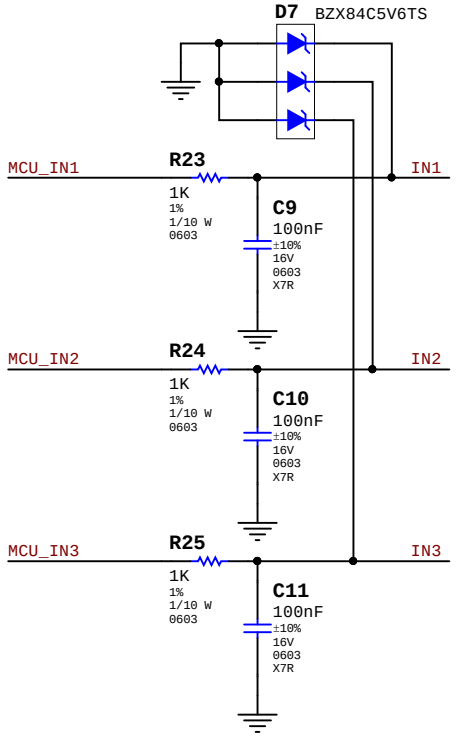


CAN TRANSCEIVER



MICROCONTROLLER





Microcontroller	
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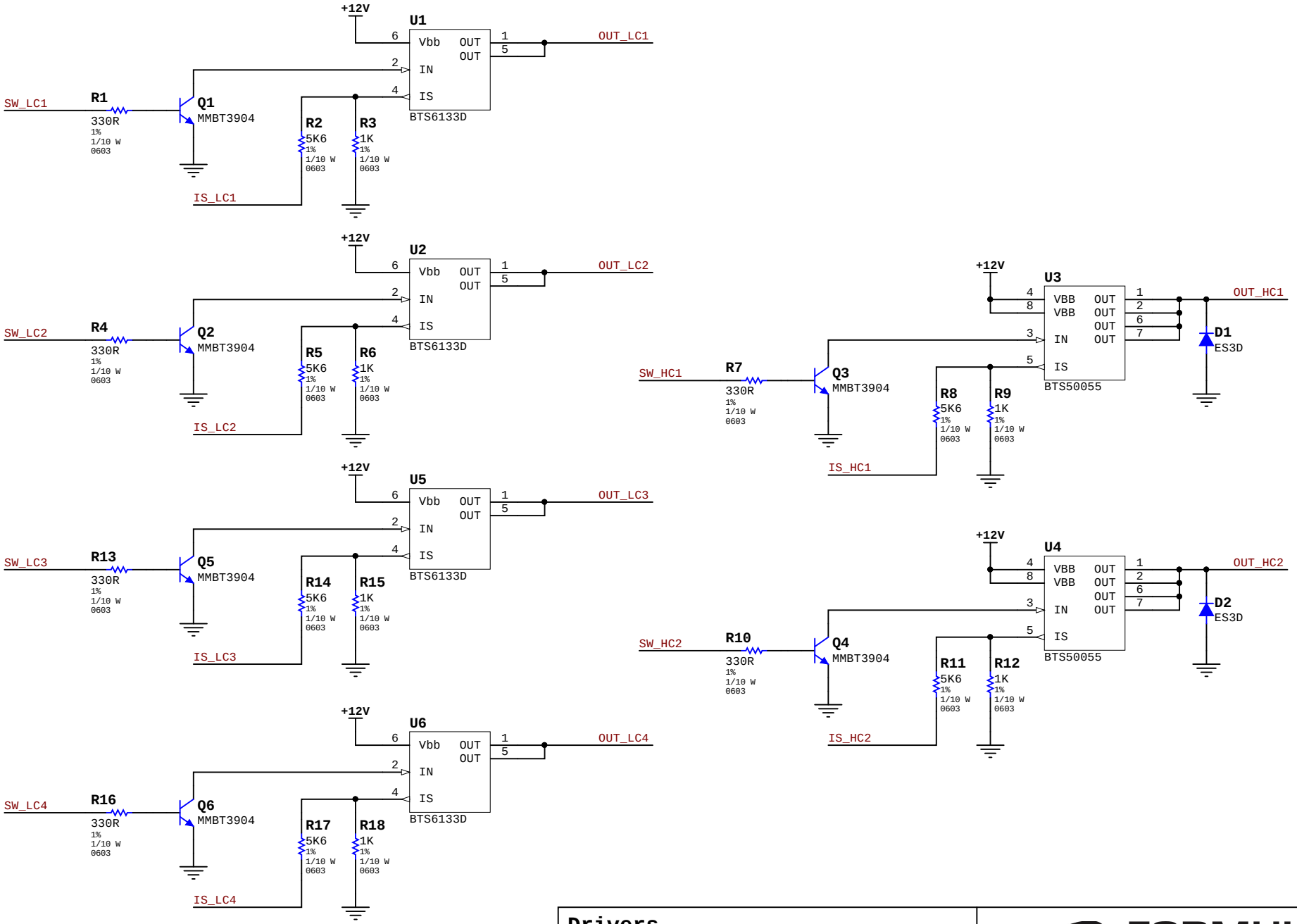

Drivers	
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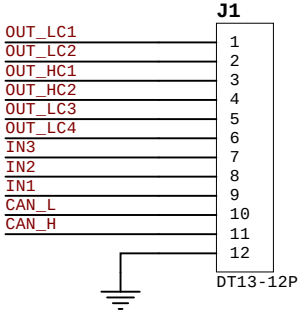
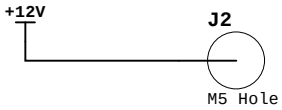
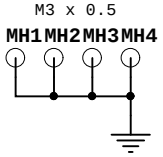
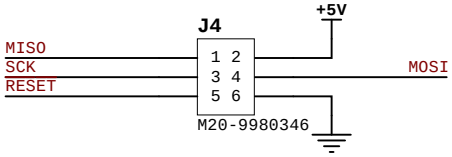
FORMULA MOTORSPORT









Connectors & Mechanical	
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