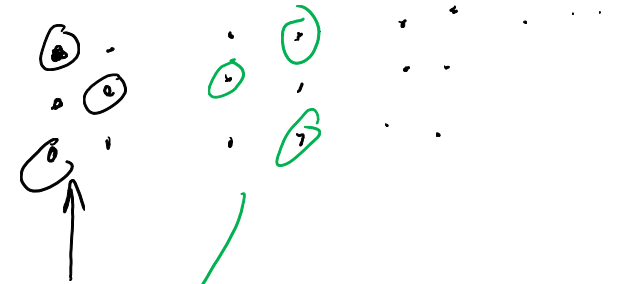


Command lower	Data - 8 bits	Command upper	Data 16 bits
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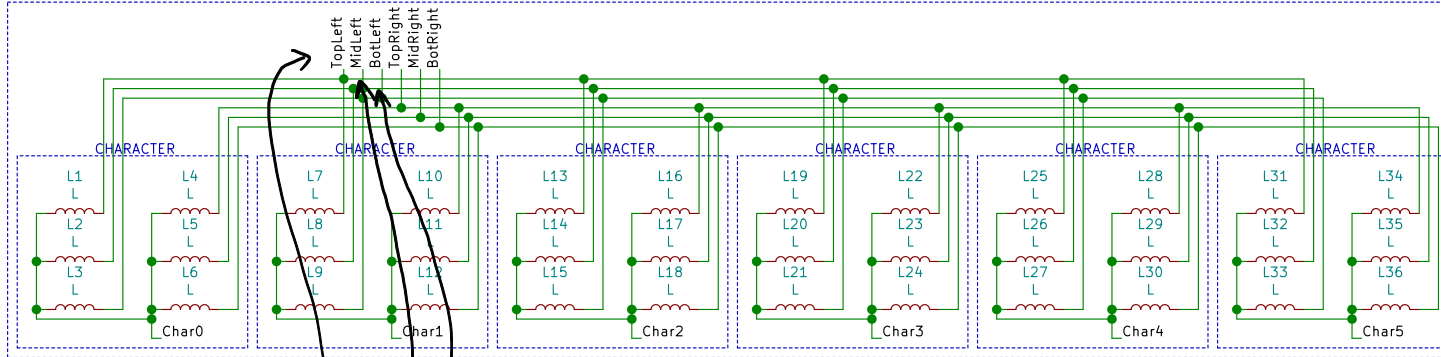
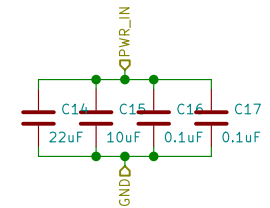
Command lower	Data - 8 bits	Command upper	Data 16 bits
------------------	------------------	------------------	-----------------



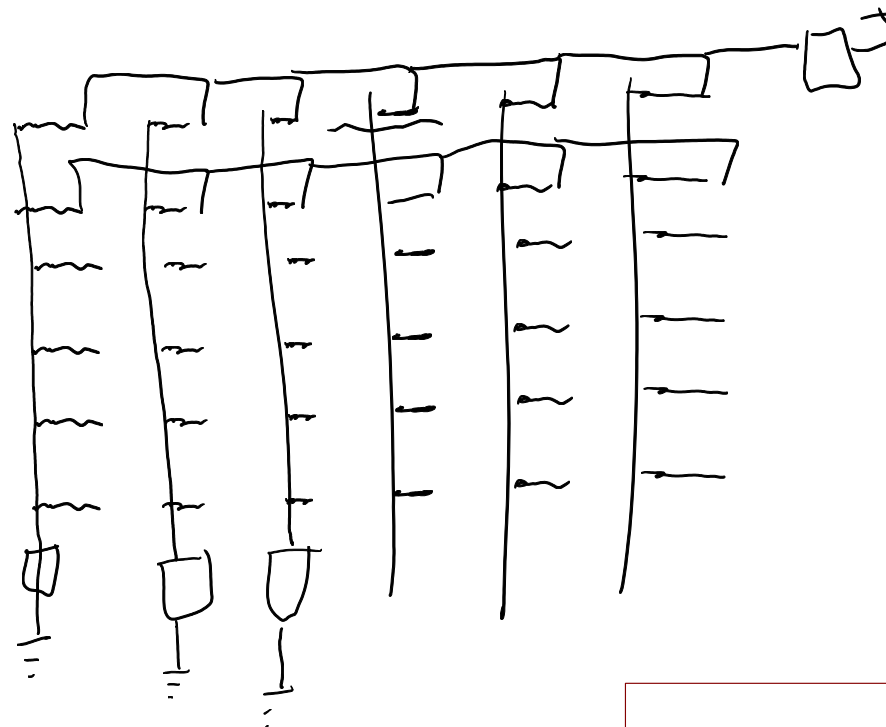
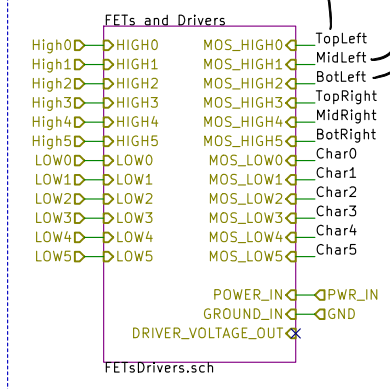


CHARACTER DISPLAY
 DOT_COM = [TOP/MID/BOT][LEFT/RIGHT]
 CHAR_COM = [CHAR[0:5]]

DECOUPLING



INPUTS/OUTPUTS



Devyash Lodha

Sheet: /SolenoidFetMatrix/
 File: SolenoidFetMatrix.sch

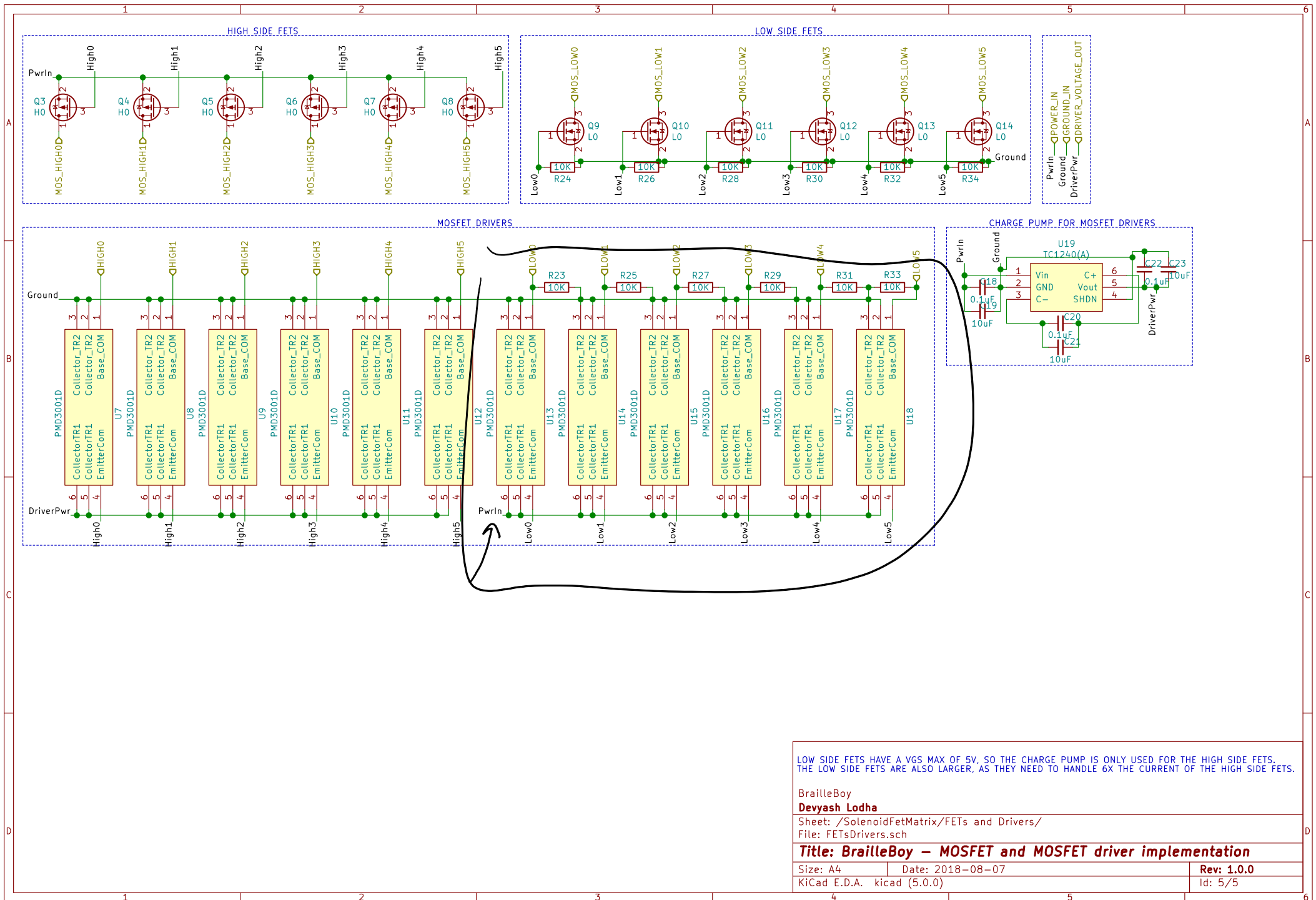
Title: Solenoid Matrix and Power Electronics

Size: A4 Date: 2018-08-07

KiCad E.D.A. kicad (5.0.0)

Rev: 1.0.0

Id: 4/5



LOW SIDE FETS HAVE A VGS MAX OF 5V, SO THE CHARGE PUMP IS ONLY USED FOR THE HIGH SIDE FETS. THE LOW SIDE FETS ARE ALSO LARGER, AS THEY NEED TO HANDLE 6X THE CURRENT OF THE HIGH SIDE FETS.

BrailleBoy		
Devyash Lodha		
Sheet: /SolenoidFetMatrix/FETs and Drivers/		
File: FETsDrivers.sch		
Title: BrailleBoy – MOSFET and MOSFET driver implementation		
Size: A4	Date: 2018–08–07	Rev: 1.0.0
KiCad E.D.A. kicad (5.0.0)		Id: 5/5