

36V to 15V Voltage Regulator Circuit

U2
LM317_T0-220

3 VI V0 2
1 ADJ

+36V

R1 680

R2 5.1k

C1 1u

D1 1N5822

GND

Half Bridge Gate Driver

User input via STM32

User input via STM32

36V to 15V Voltage Regulator Circuit

U4
LM317_T0-220

3 VI V0 2
1 ADJ

+36V

R3 680

R4 5.1k

C3 1u

D2 1N5822

GND

Half Bridge Gate Driver

User input via STM32

User input via STM32

H-Bridge Circuit

+36V

GND

R_PD1 5.6k

R_G1 1k

Q1 IRF530N

D3 90SQ045

M1 MY6812

R_PD2 5.6k

R_G2 1k

Q2 IRF530N

D4 90SQ045

R_PD3 5.6k

R_G3 1k

Q3 IRF530N

D5 90SQ045

R_PD4 5.6k

R_G4 1k

Q4 IRF530N

D6 90SQ045

GND

H_Bridge Schematic Amir Seidakhmetov & Joshua Wilbur

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