**MOSFETS:**

**IRF540: (testing)**

Rdson: 77 m ohm

Vgs: 20V (max)

Continuous drain current: 28A

Input Capacitance: 1700 pF

Cost: 37 Rs for fake and 0.66dollars on LCSC for genuine Infineon part

**IRFZ44N:**

Rdson: 17.5 m ohm

Vgs: 20V (max)

Continuous drain Current: 49/35A (at 10V Vgs and 25 degC and 100 degC)

Input Capacitance: 1470pF

Cost: 80 Rs Mouser and 0.76 dollars on LCSC for genuine Infineon

**IRF3205:**

Rdson: 8 m ohm

Vgs: 20V (max)

Continuous drain Current: 110A/80A (at 10V Vgs and 25 degC and 100 degC)

Input capacitance: 3247pF

Cost: 94 Rs mouser and 0.77dollars LCSC Infineon

**MOSFET Drivers:**

**IRS2112: (For testing) (cannot find 2110 library for proteus)**

Vout: 10 – 20V

Output Current: 200/440 mA

Ton/off = 135/105ns

Cost: 100 Rs (unknown quality) and 1.9 to 2.1dollars on LCSC for genuine part

**IRS2110:**

Vout: 10 – 20 V

Output Current: 2A

Ton/off = 120/94ns

Cost: 177 Rs