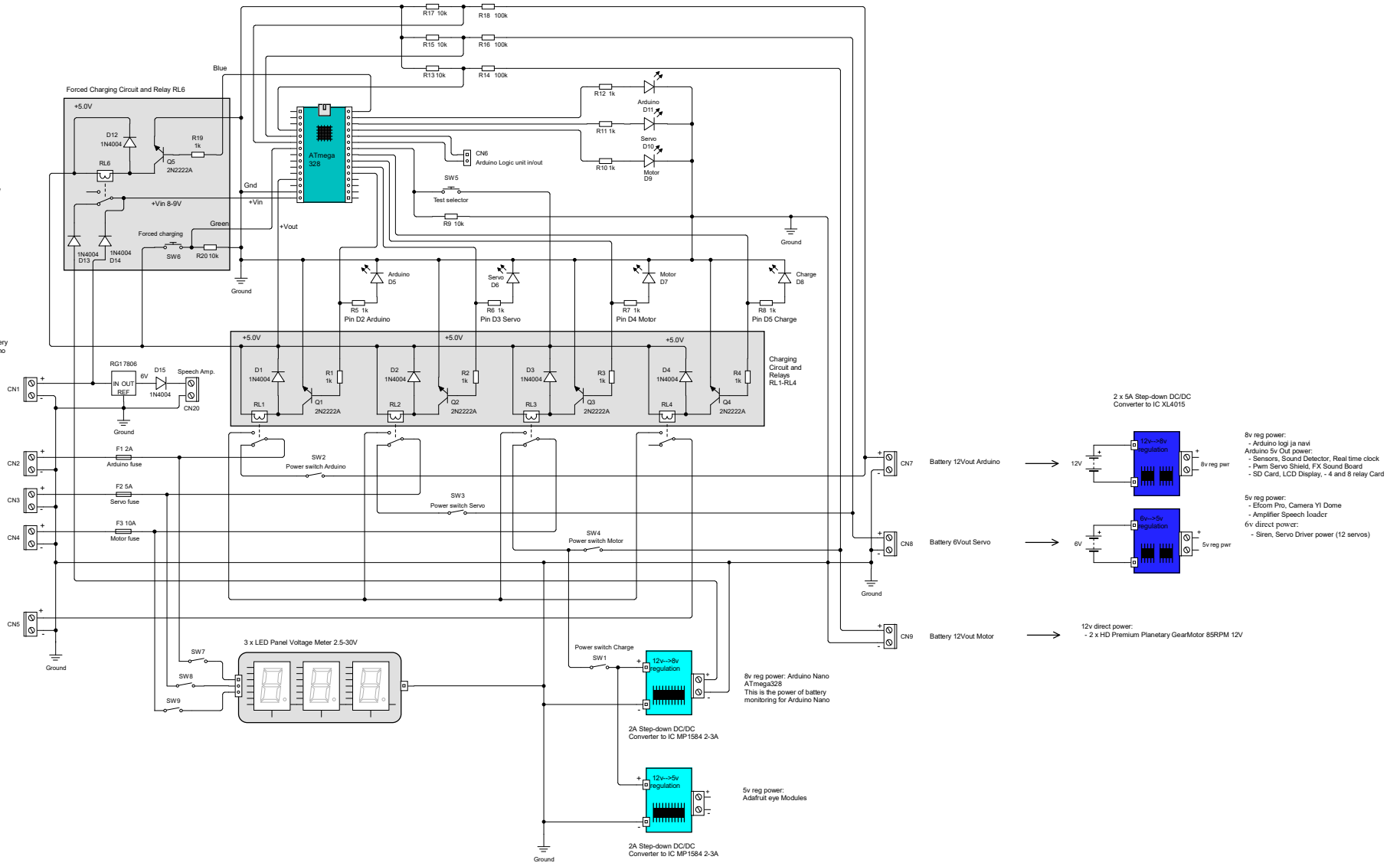


Arduino Nano ATmega328 pins:
 Vin = Input voltage 7-12V
 Gnd = Ground
 5V = Arduino output voltage 5V

A0 = Motor measuring voltage in (12V)
 A1 = Servo measuring voltage in (6V)
 A2 = Arduino measuring voltage in (12V)

A3 = All battery forced charging. Green
 A4 = <free, sda>
 A5 = <free, scl>
 A6 = <free>
 A7 = <free>

D2 = Arduino power off
 D3 = Servo power off
 D4 = Motor power off
 D5 = Charge power on/off
 D6 = Test selector
 D7 = Arduino Mega Logic Unit in, White
 D8 = Arduino Mega Logic Unit out, Yellow
 D9 = Motor charging led
 D10 = Servo charging led
 D11 = Arduino charging led
 D12 = Atmega battery off, Blue



This is the power of battery charging for Arduino Nano

Battery 9Vin 500mA Charge ATmega and Speech Amp.

Battery 12Vin 9Ah Arduino

Battery 6Vin 10Ah Servo

Battery 12Vin 7.2Ah Motor and Arduino Nano

Battery Charger 6V / 12V

2 x 5A Step-down DC/DC Converter to IC XL4015

8v reg power:
 - Arduino logi ja navt
 Arduino 5v Out power:
 - Sensors, Sound Detector, Real time clock
 - Pwm Servo Shield, FX Sound Board
 - SD Card, LCD Display, - 4 and 8 relay Card

5v reg power:
 - Eifom Pro, Camera Y1 Dome
 - Amplifier Speech loader
 6v direct power:
 - Siren, Servo Driver power (12 servos)

8v reg power: Arduino Nano ATmega328
 This is the power of battery monitoring for Arduino Nano

5v reg power: Adafrit eye Modules

12v direct power:
 - 2 x HD Premium Planetary GearMotor 85RPM 12V