SEVI Main Power Circuit v3
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Arduino Nano ATmega328 pins:
Vin = Input voltage 7-12V
Gnd = Ground
5V = Arduno 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