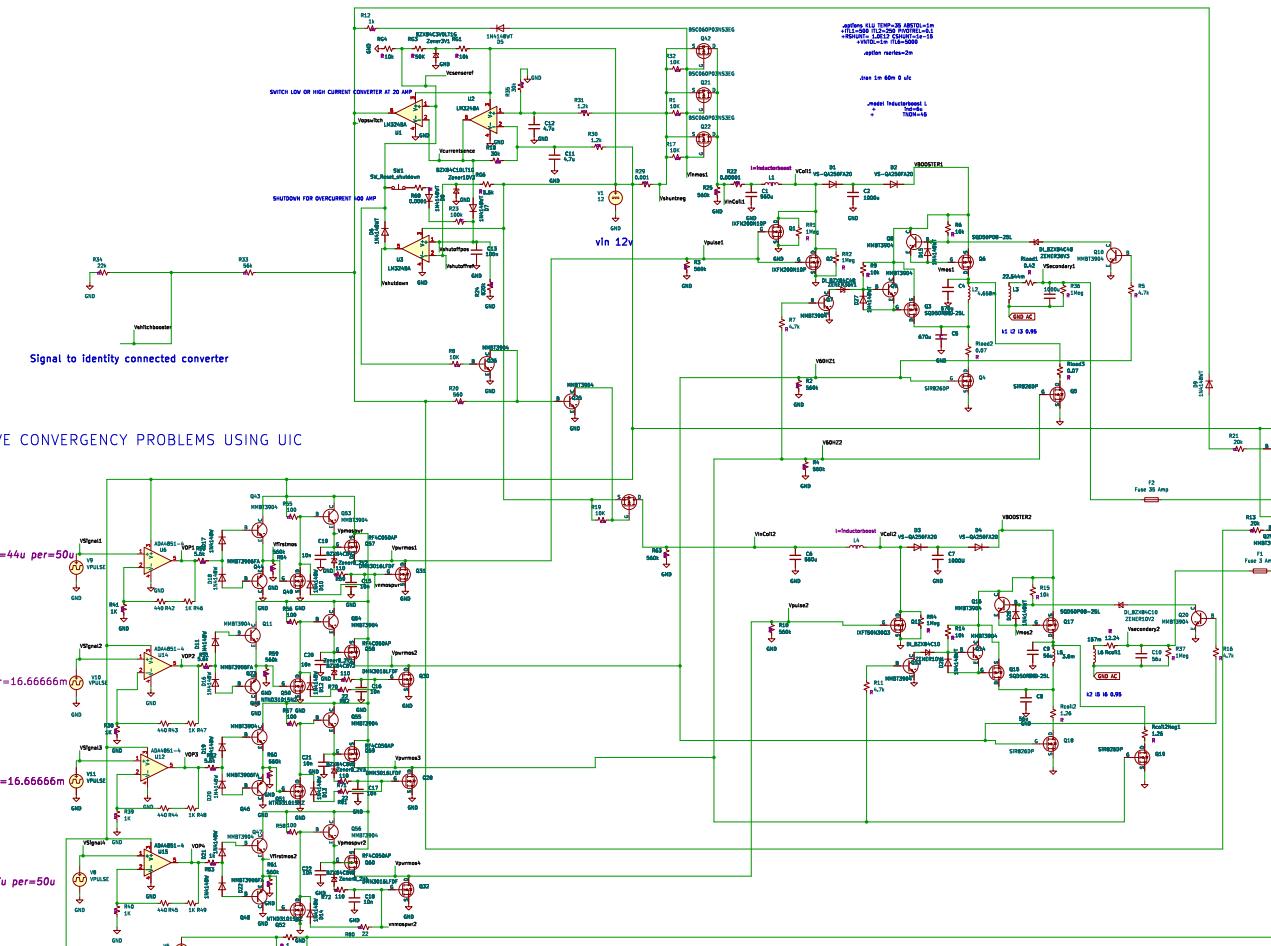


CURRENT CONTROL IS ANALOGIC FOR PREVENT MICROCONTROLLER PROGRAM FAIL



ESP 32 SIGNALS TO BE OPTIMIZED
FOR MOSFET AND CAPACITORS.

CURRENT TRANSFER 40 TO 125%
AT 110V RMS IF= 8 mA RMS is a resistor 13.75Kohm
AT 3.3 V VCE with 8mA Forward (110V) $I_c=11.25$ mA

AT 130V RMS with 13.75kom IF=9.46 mA
 AT 3.3 V VCE 9.46mA (130V) Ic=13.7 mA

AT 100V RMS with 13.75kom IF=7.27 mA
AT 3.3 V VCE 7.27mA (100V) Ic=9.5 mA

Voltage controls to ESP32

Ic=9.5 mA VD=9.5mV Opout= 1.79 Volts
 Ic=11.25 mA VD=11.25mV Opout= 2.35 Volts
 Ic=13.7 mA VD=13.7mV Opout= 2.57 Volts