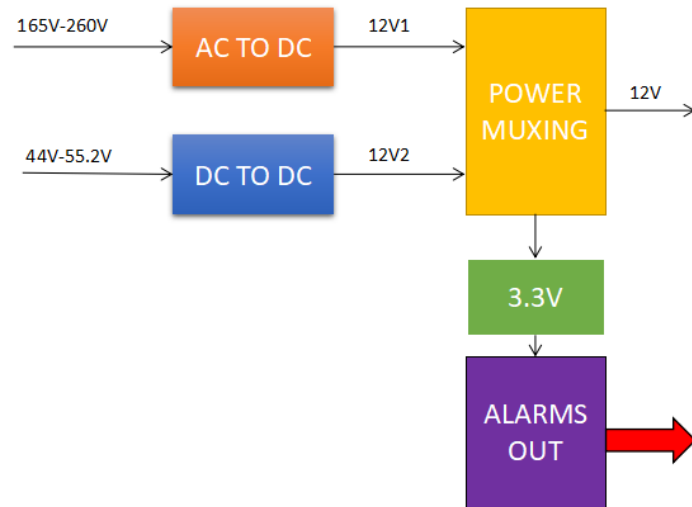
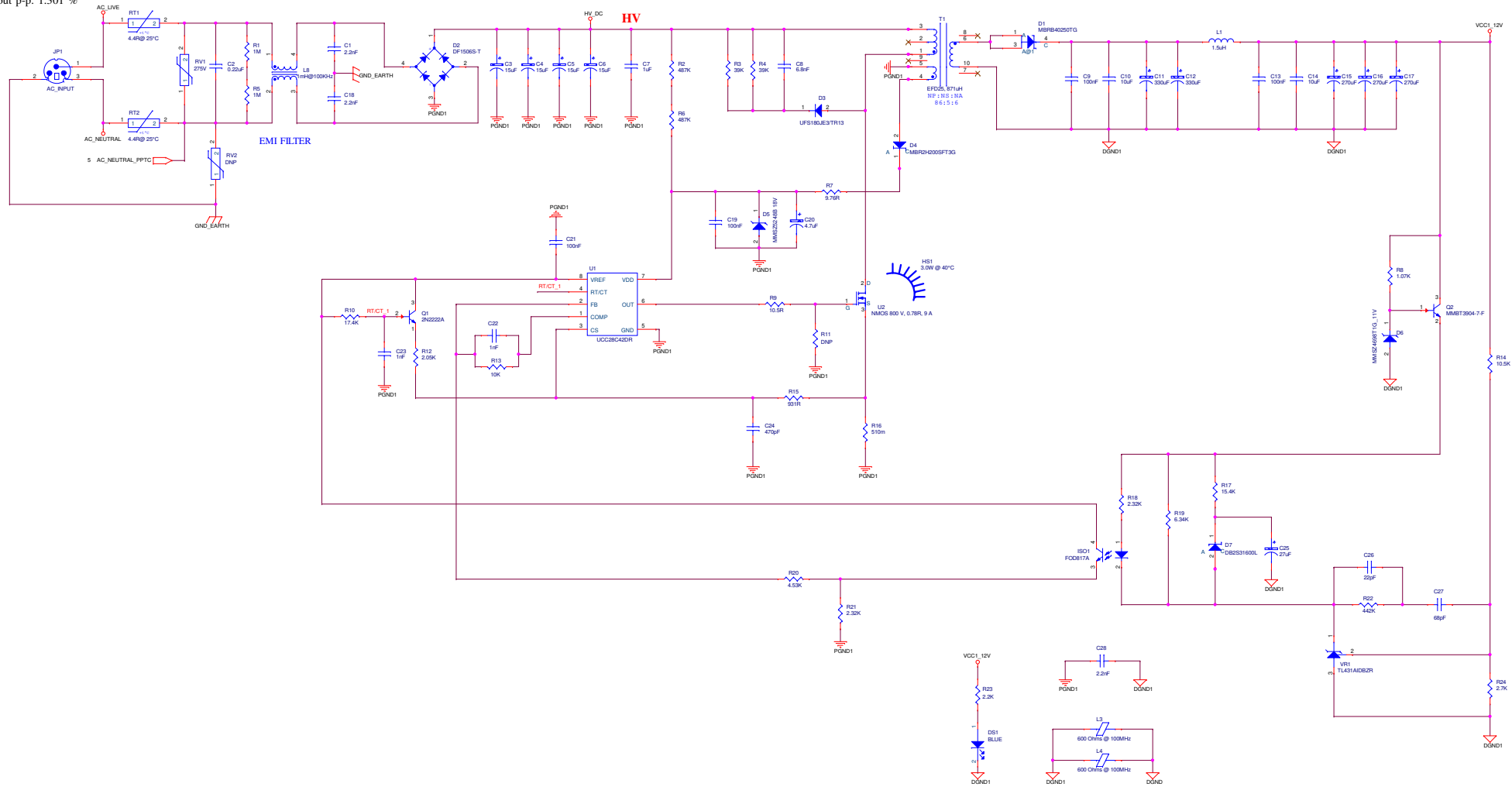


POWER SUPPLY



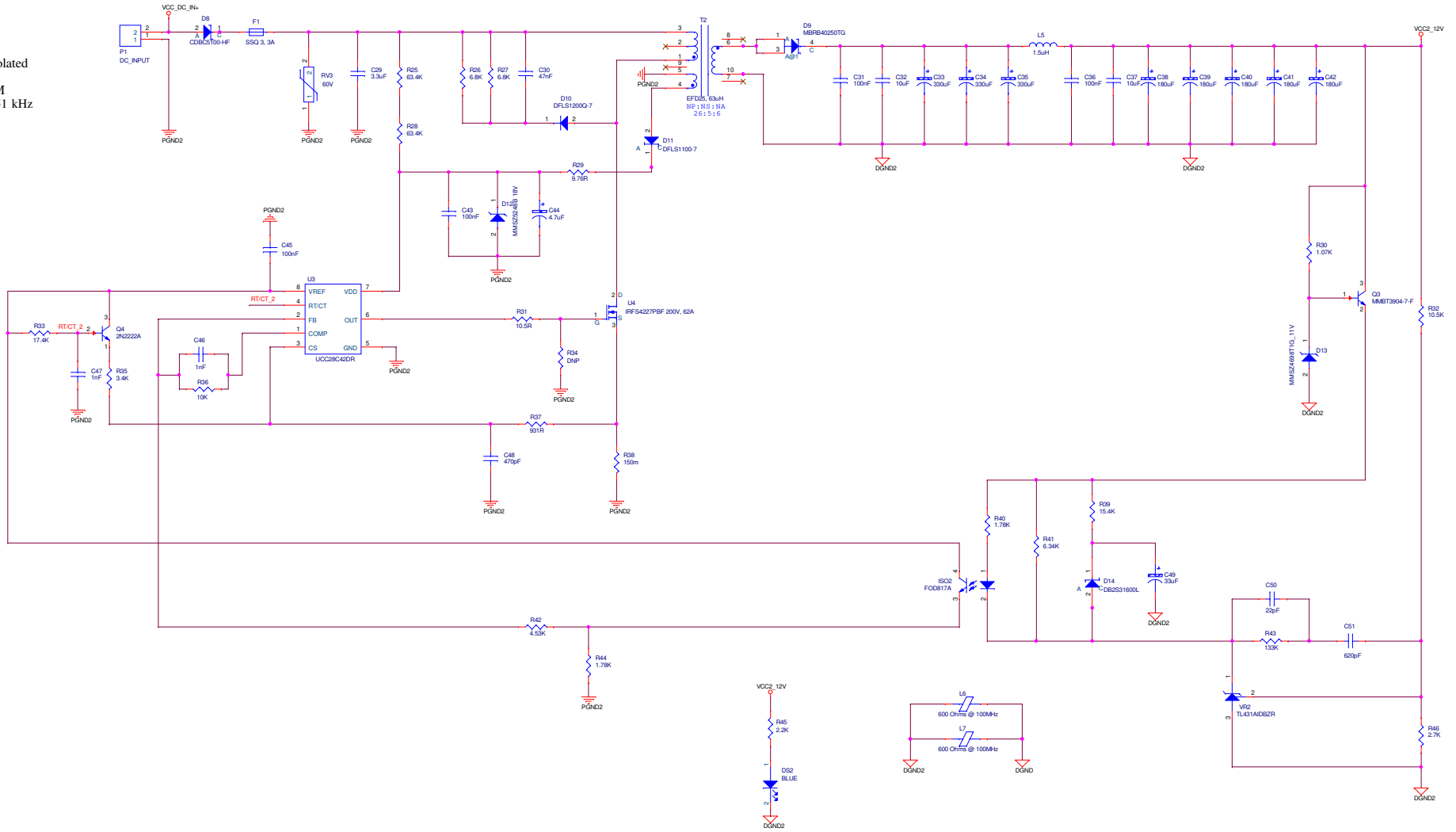
Design Parameters

V_{in} (Min) (V): 165
V_{in} (Max) (V): 260
V_{out} (Nom) (V): 12
I_{out} (Nom) (A): 5
Output Power (W): 60
Efficiency: 88.152%
Isolated/Non-Isolated: Isolated
Input Type: AC
Topology: Flyback-CCM
Switching frequency: 98.851 kHz
V_{out} p-p: 1.301 %



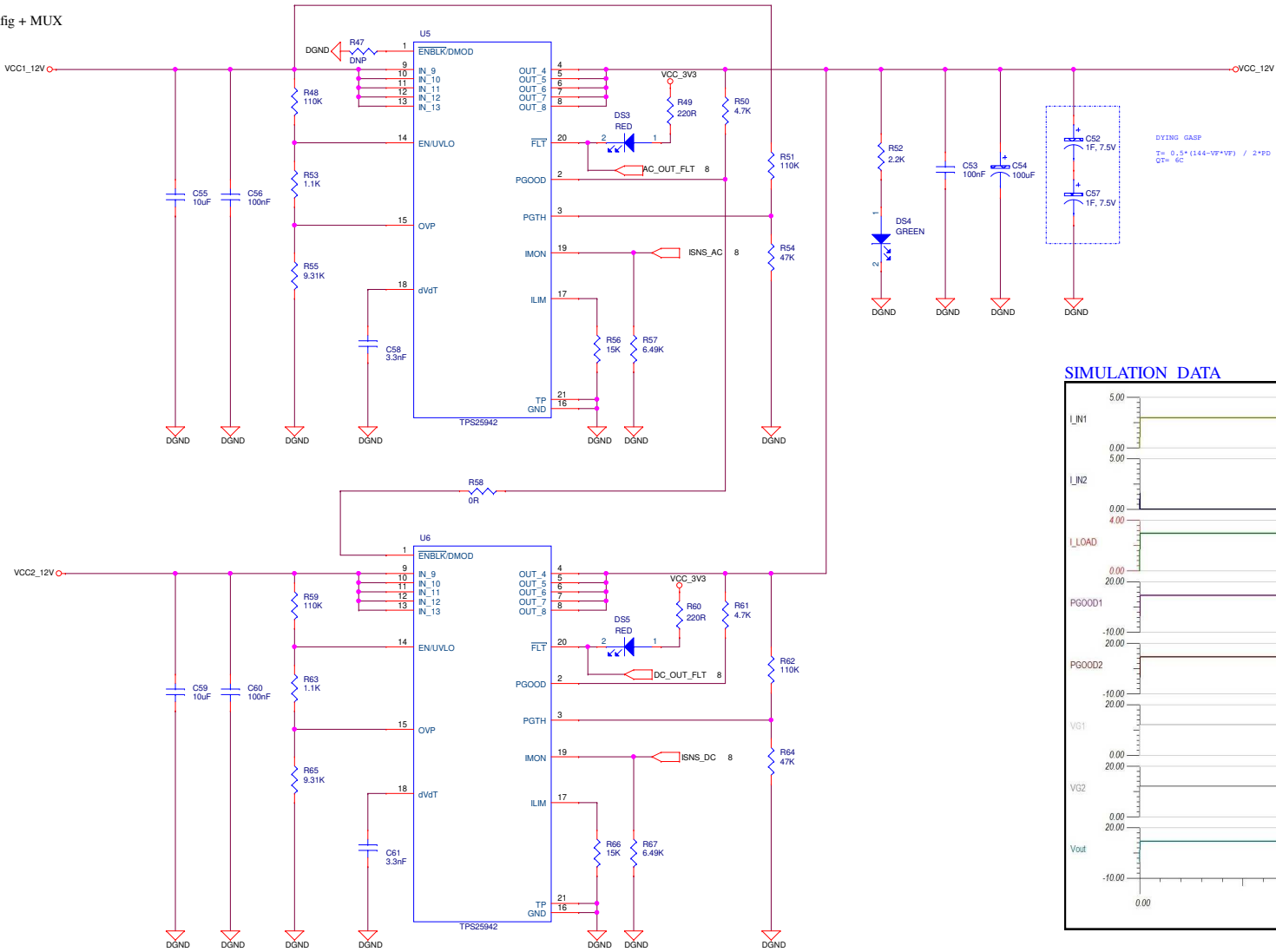
Design Parameters

Vin (Min) (V): 44
Vin (Max) (V): 55.2
Vout (Nom) (V): 12
Output Power (W): 60
Isolated/Non-Isolated: Isolated
Input Type: DC
Topology: Flyback-CCM
Switching frequency: 98.851 kHz
Vout p-p: 0.836%

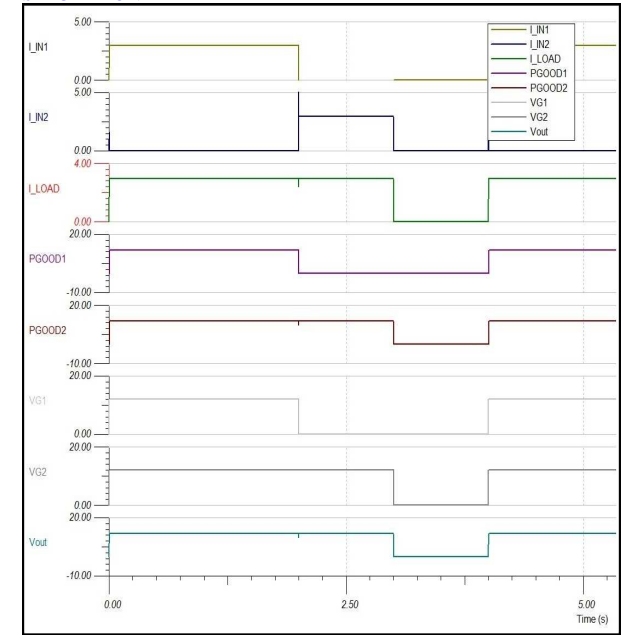


Design Parameters

VIN: 12V, 5A Max.
 UVLO: 10.8V
 OVLO: 13V
 Oring: N+1 Config + MUX



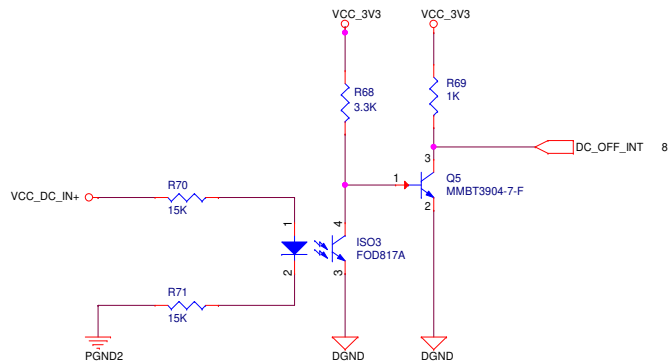
SIMULATION DATA



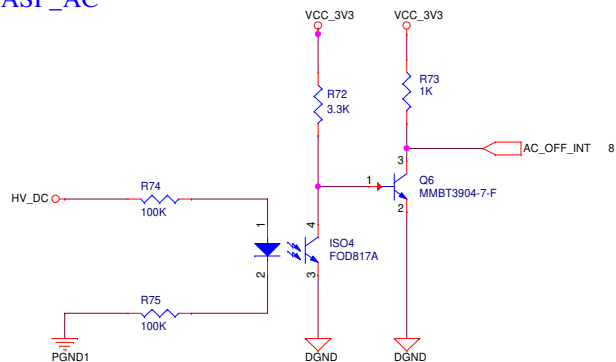
Design Parameters

Power Consumption: 36Watts.
Power retention after power cut: >200msec

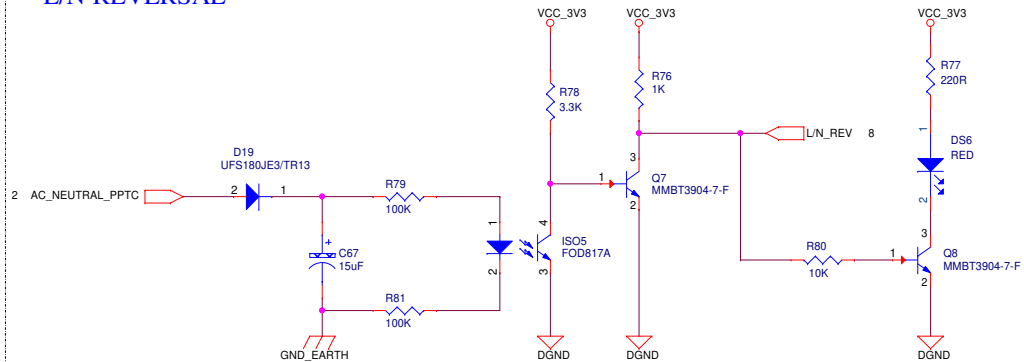
D_GASP_DC



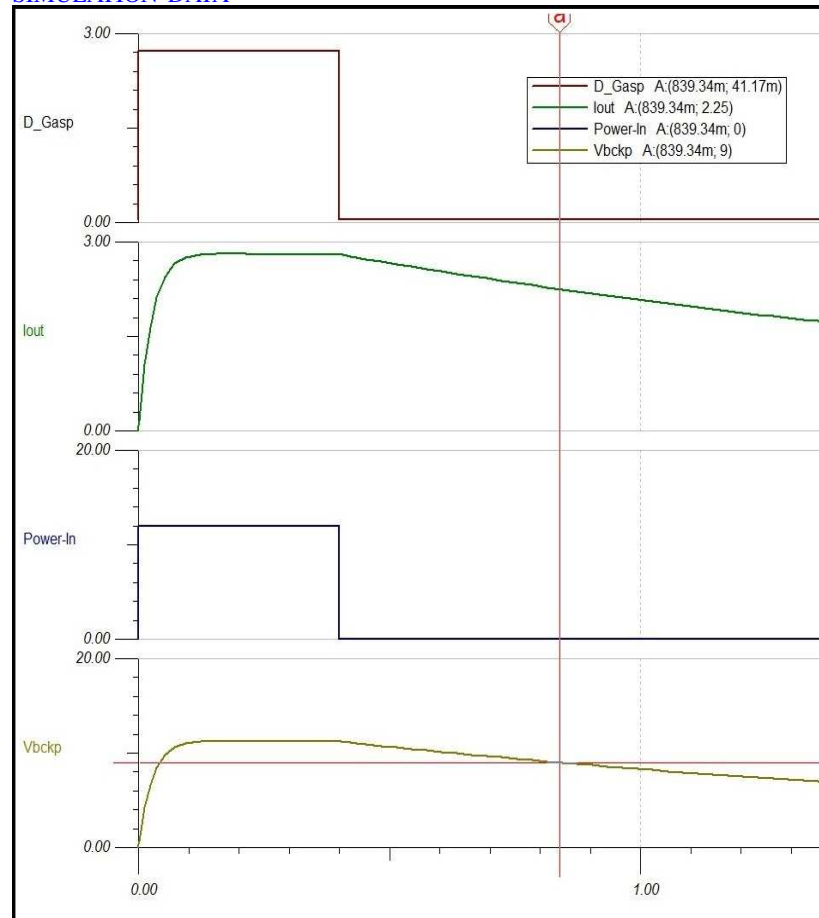
D_GASP_AC



L/N REVERSAL



SIMULATION DATA

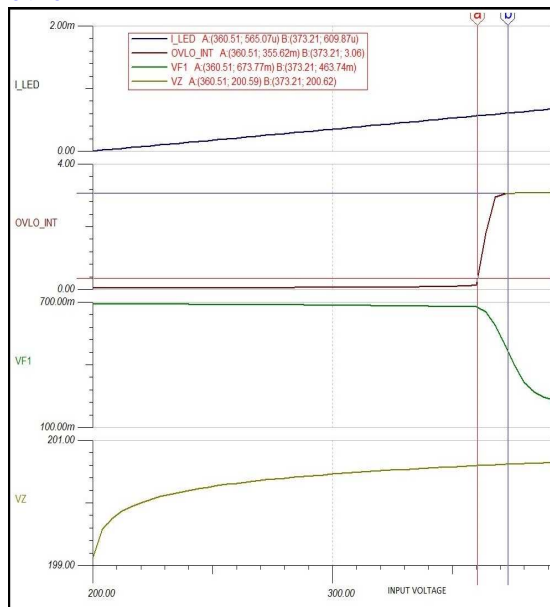


Design Parameters

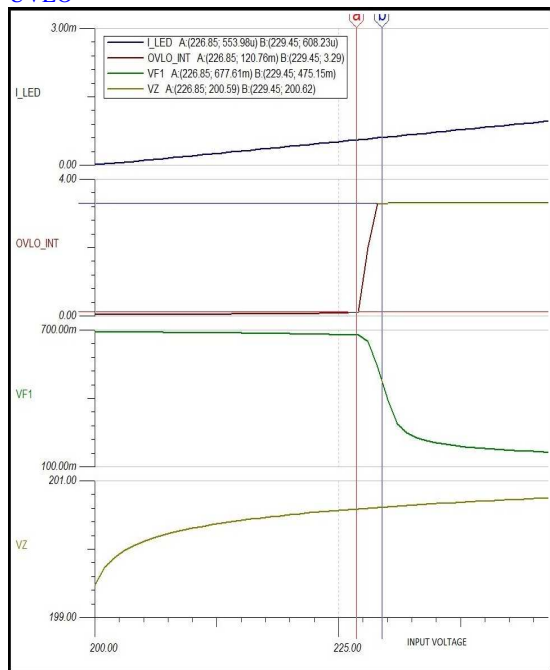
UVLO: 156VAC - 164VAC
(220VDC - 231VDC)

OVLO: 261VAC - 268VAC
(369VDC - 379VDC)

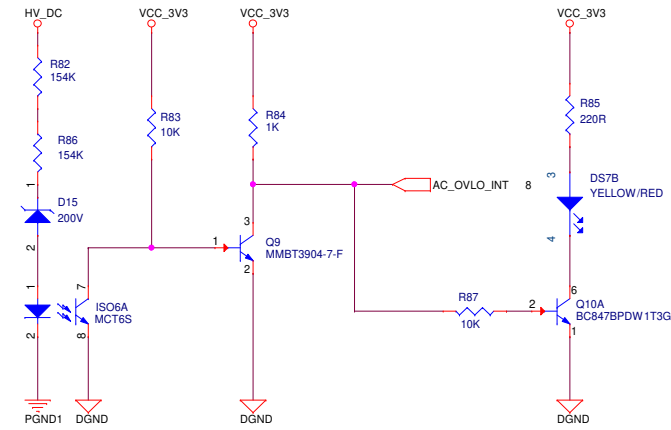
OVLO



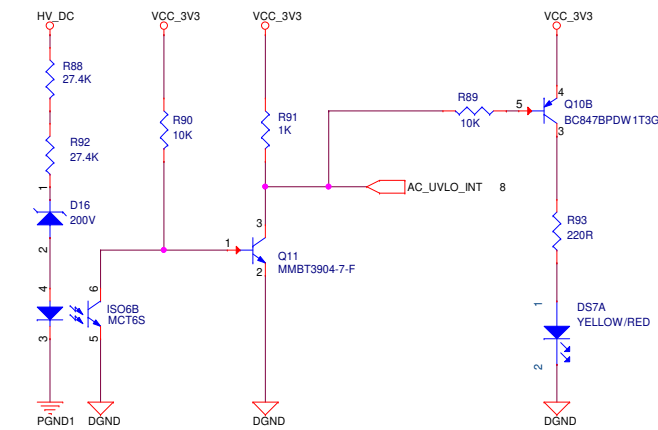
UVLO



OVLO



UVLO

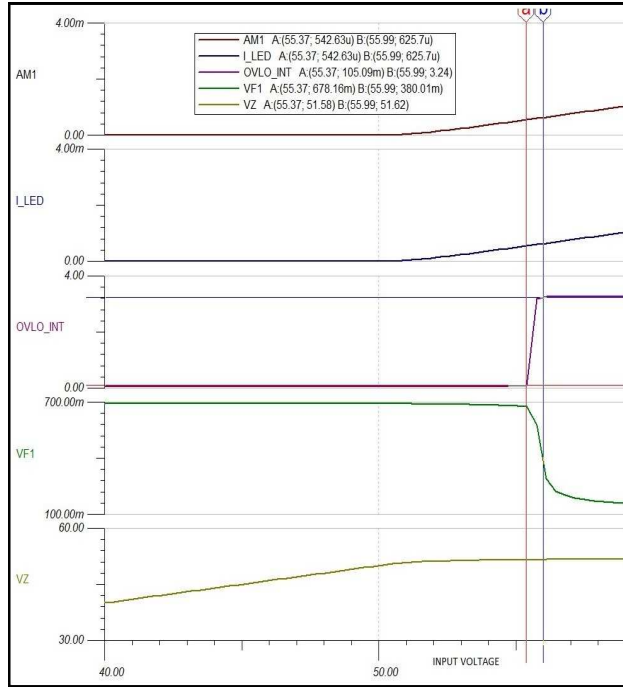


Design Parameters

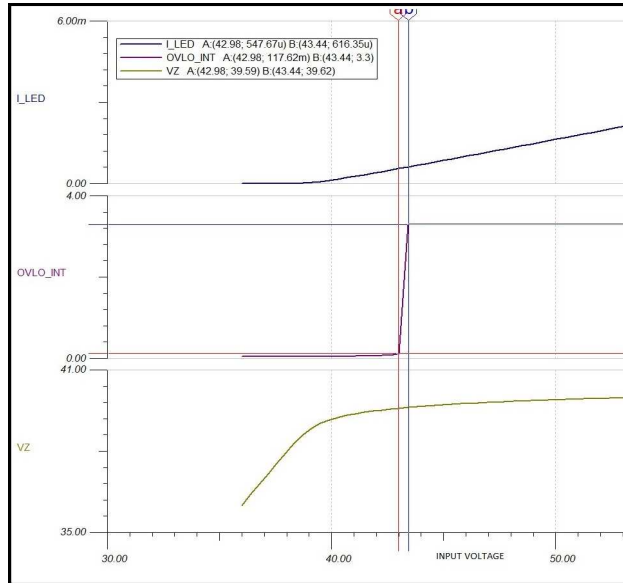
UVLO: -42VDC - -43VDC

OVLO: -55.5VDC - -56.5VDC

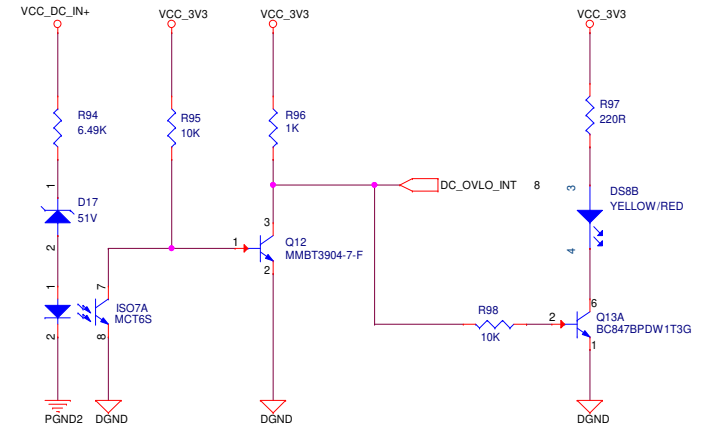
OVLO



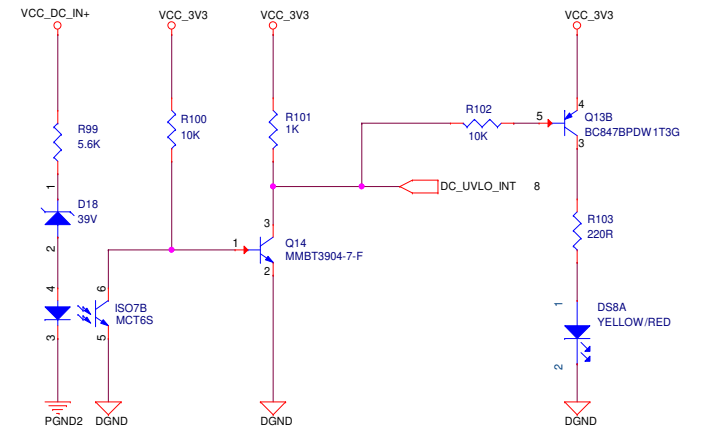
UVLO



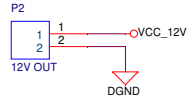
OVLO



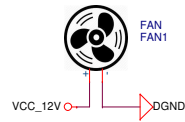
UVLO



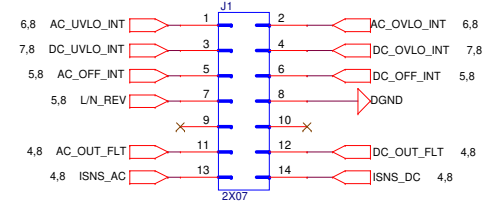
12V OUTPUT



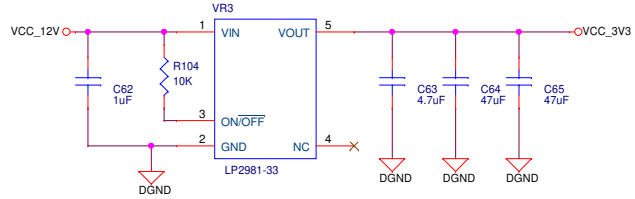
FAN CONNECTOR



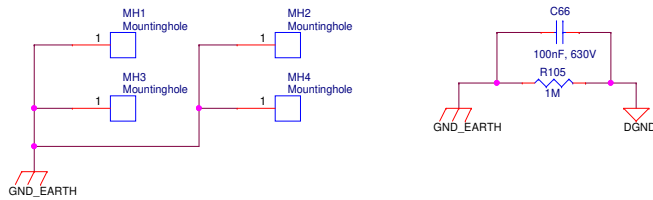
ALARMS OUT



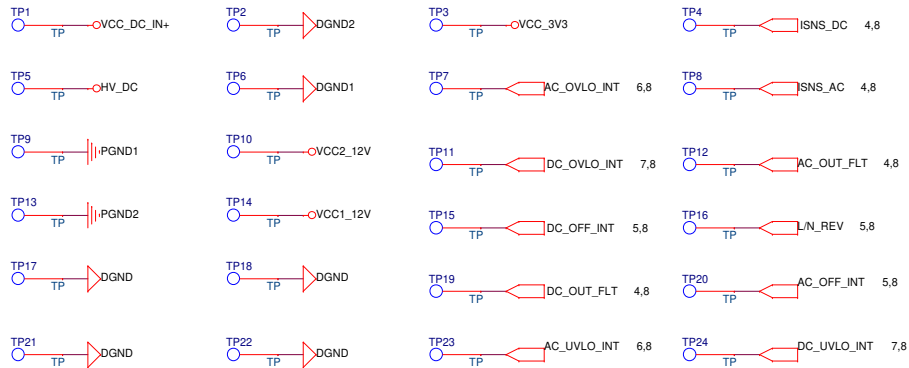
ON BOARD 3.3V



MOUNTING HOLES



TEST POINTS



ALARM	HIGH	LOW
AC_UVLO_INT	NORMAL OPERATION	AC INPUT UNDERVOLTAGE
AC_OVLO_INT	AC INPUT OVERVOLTAGE	NORMAL OPERATION
DC_UVLO_INT	NORMAL OPERATION	DC INPUT UNDERVOLTAGE
DC_OVLO_INT	DC INPUT OVERVOLTAGE	NORMAL OPERATION
AC_OFF_INT	NORMAL OPERATION	AC INPUT FAIL
DC_OFF_INT	NORMAL OPERATION	DC INPUT FAIL
L/N_REV	Sq Wave: L/N Reversed	NORMAL OPERATION
AC_OUT_FLT	NORMAL OPERATION	OUTPUT OF AC-DC FAILED DUE TO OPEN CIRCUIT, UVLO/OVLO
DC_OUT_FLT	NORMAL OPERATION	OUTPUT OF DC-DC FAILED DUE TO OPEN CIRCUIT, UVLO/OVLO
ISNS_AC	IOUT1= ISNS_AC/337.48E-3	
ISNS_DC	IOUT1= ISNS_DC/337.48E-3	