

Proportional Integral Controller Version2.5.3

J1
SWP_EXT



J2
IN1



J3
IN2



J4
IN_MON



J5
ERR_MON



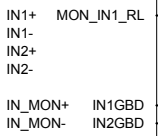
J6
OUT_MON



J7
OUT



SC3



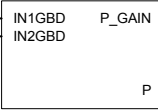
GBD_IN

SC1



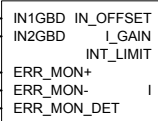
FPC2

SC4



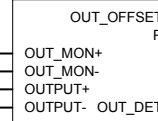
P

SC5



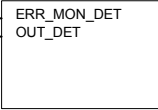
INT

SC6



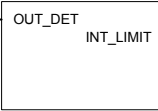
OUTPUT

SC7



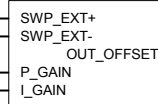
LOCK_DET

SC8



INT_LIMITER

SC2



FPC1

SC9



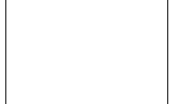
POWER1

SC10



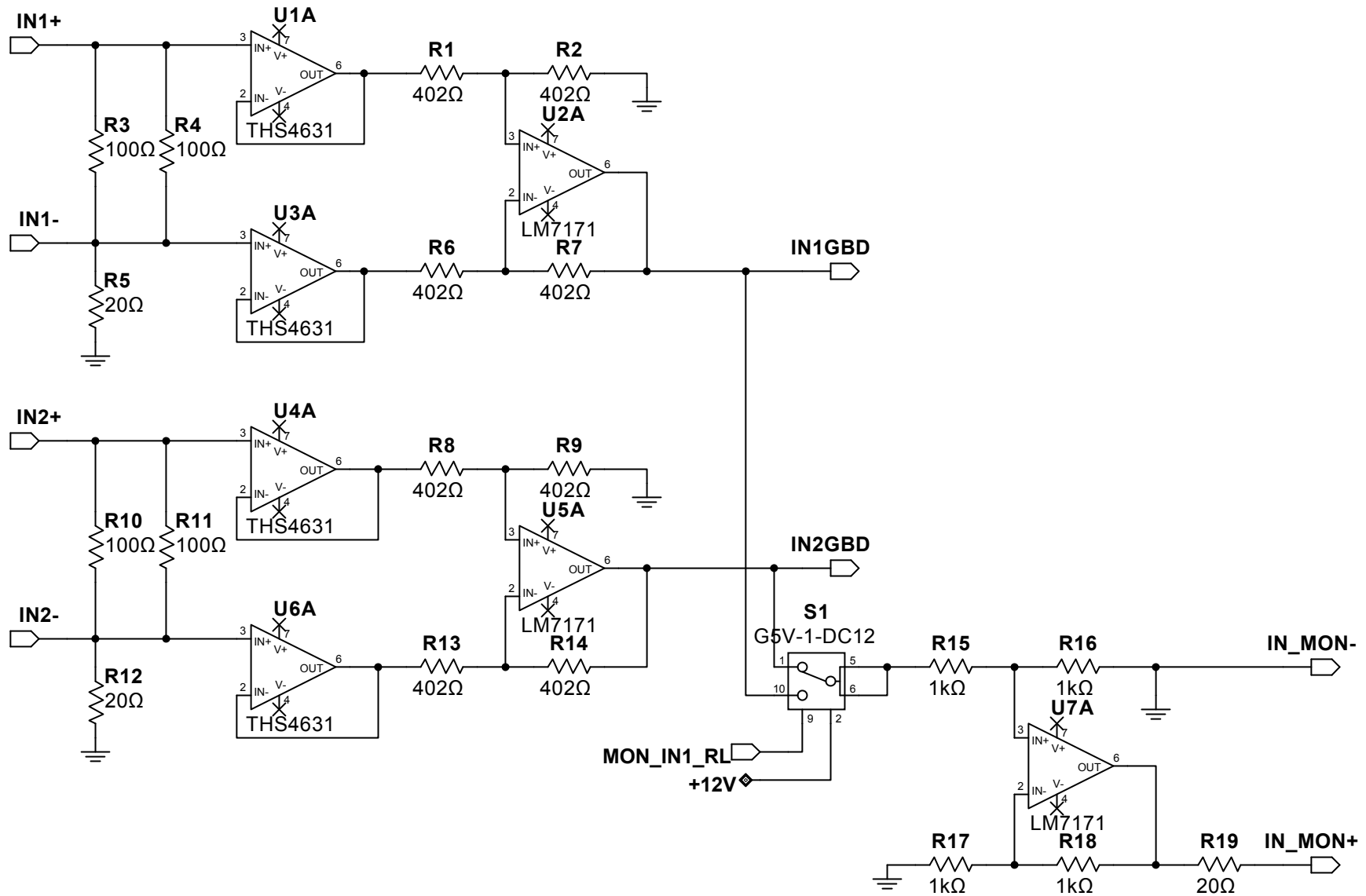
POWER2

SC11

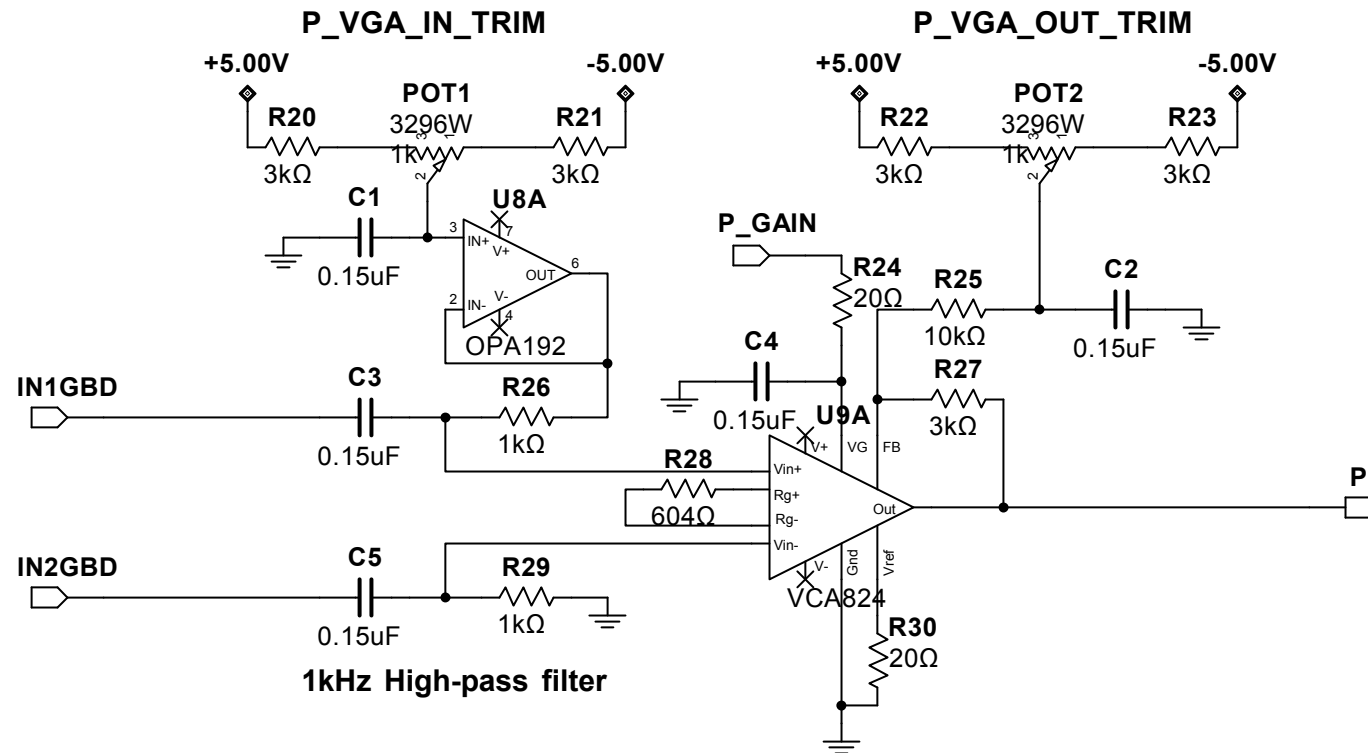


POWER3

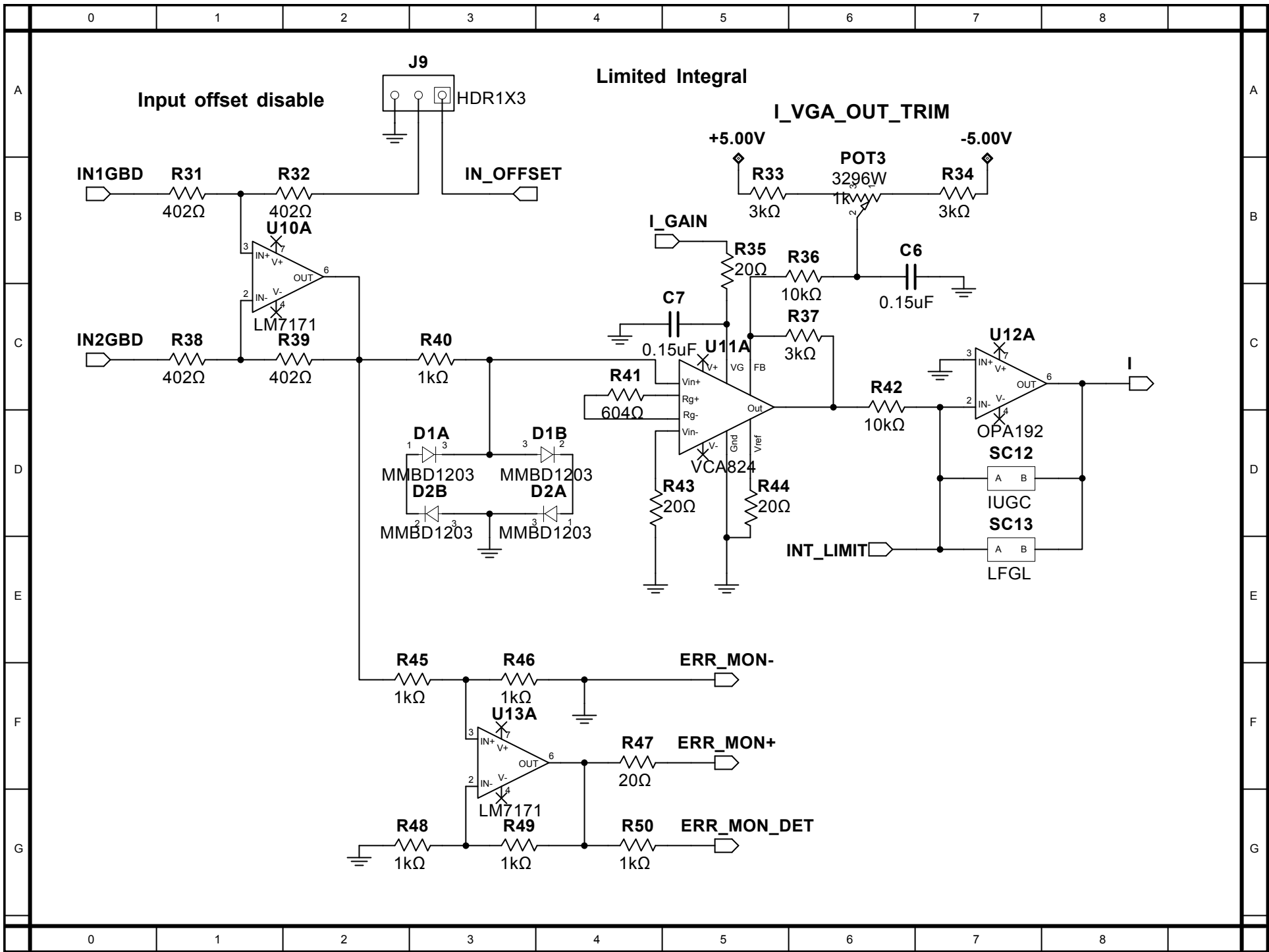
Ground Break Differential Input

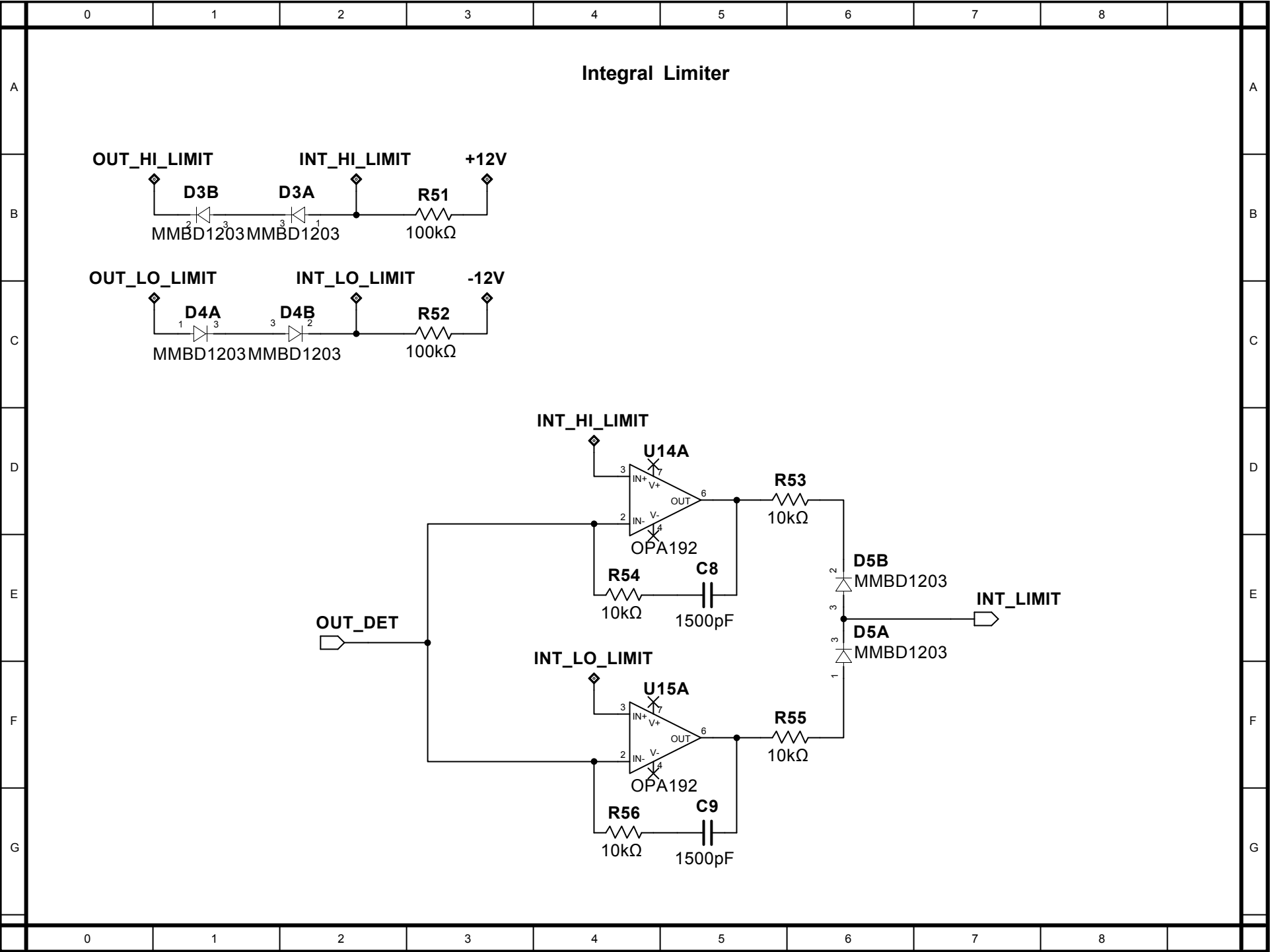


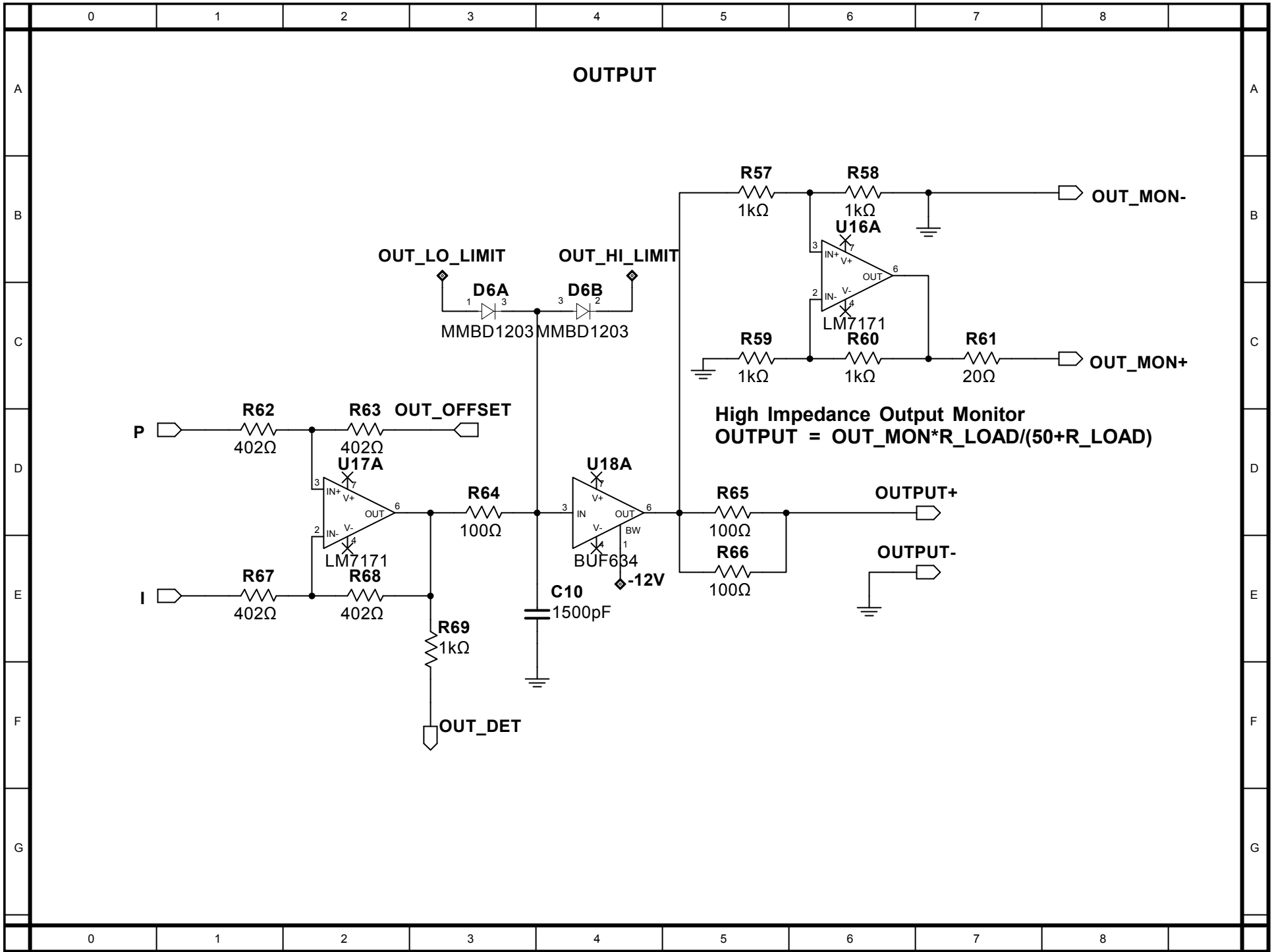
Proportional



VCA824: Input voltage range: +/-1.5V Output voltage range: +/-3.5V
 Proportional is designed to reponse high-speed small signal.
 High-pass filter removes DC signal to prevent railng.



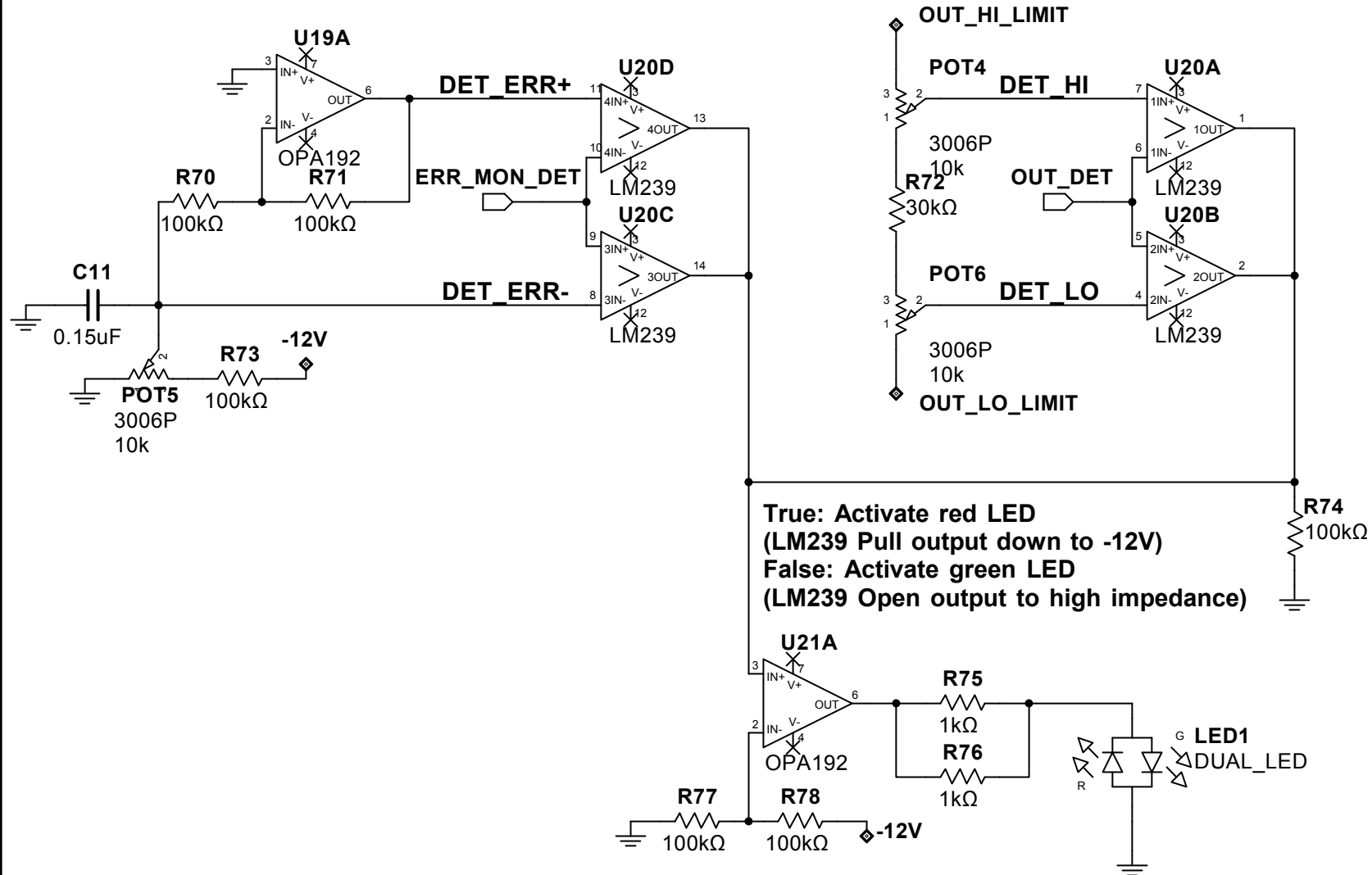


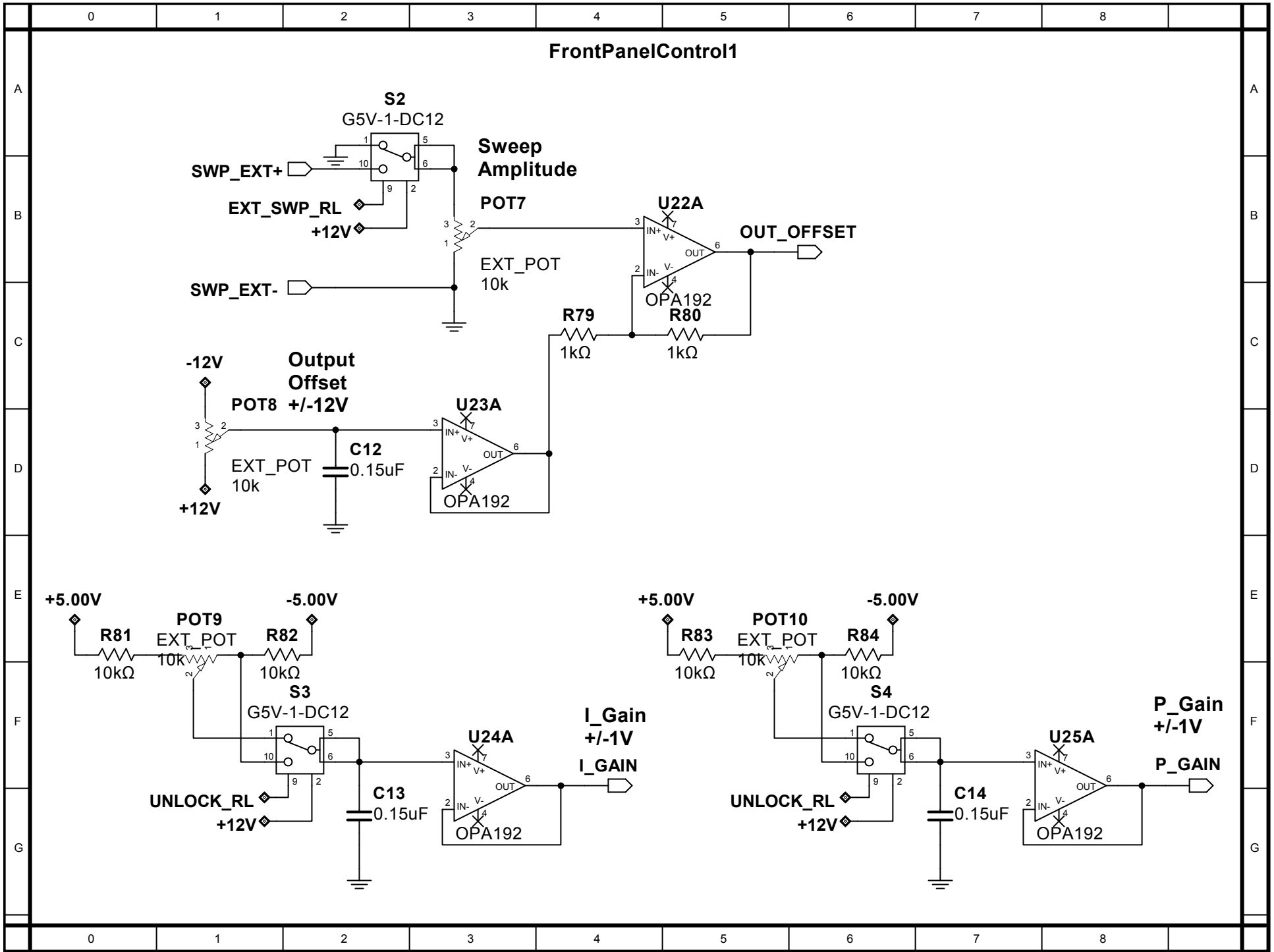


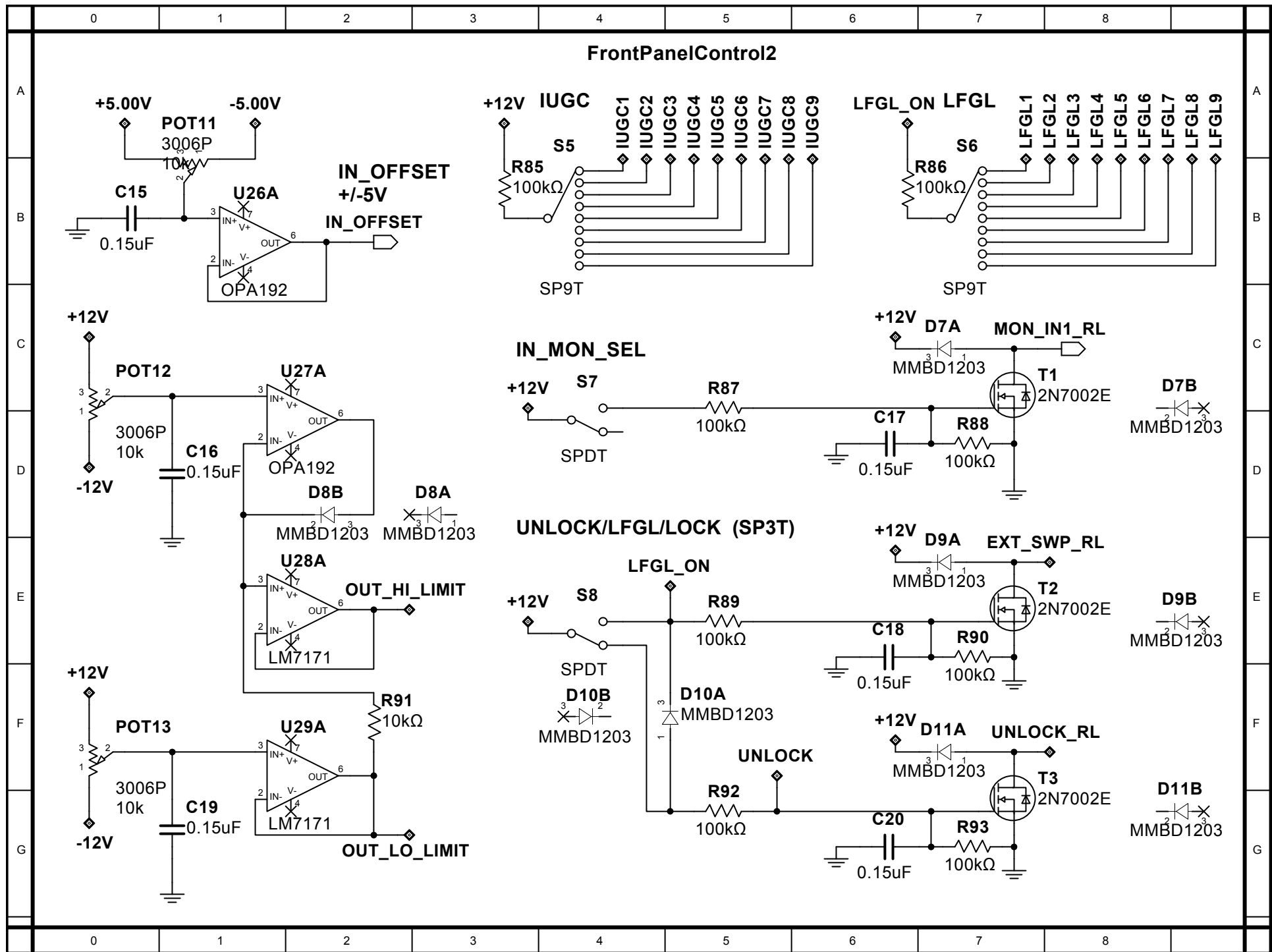
LOCK_DETECTOR

If ERR_MON_DET is higher than +ERR_DET
or lower than -ERR_DET

If OUT_DET is higher than HI_DET
or lower than LO_DET







POWER1

