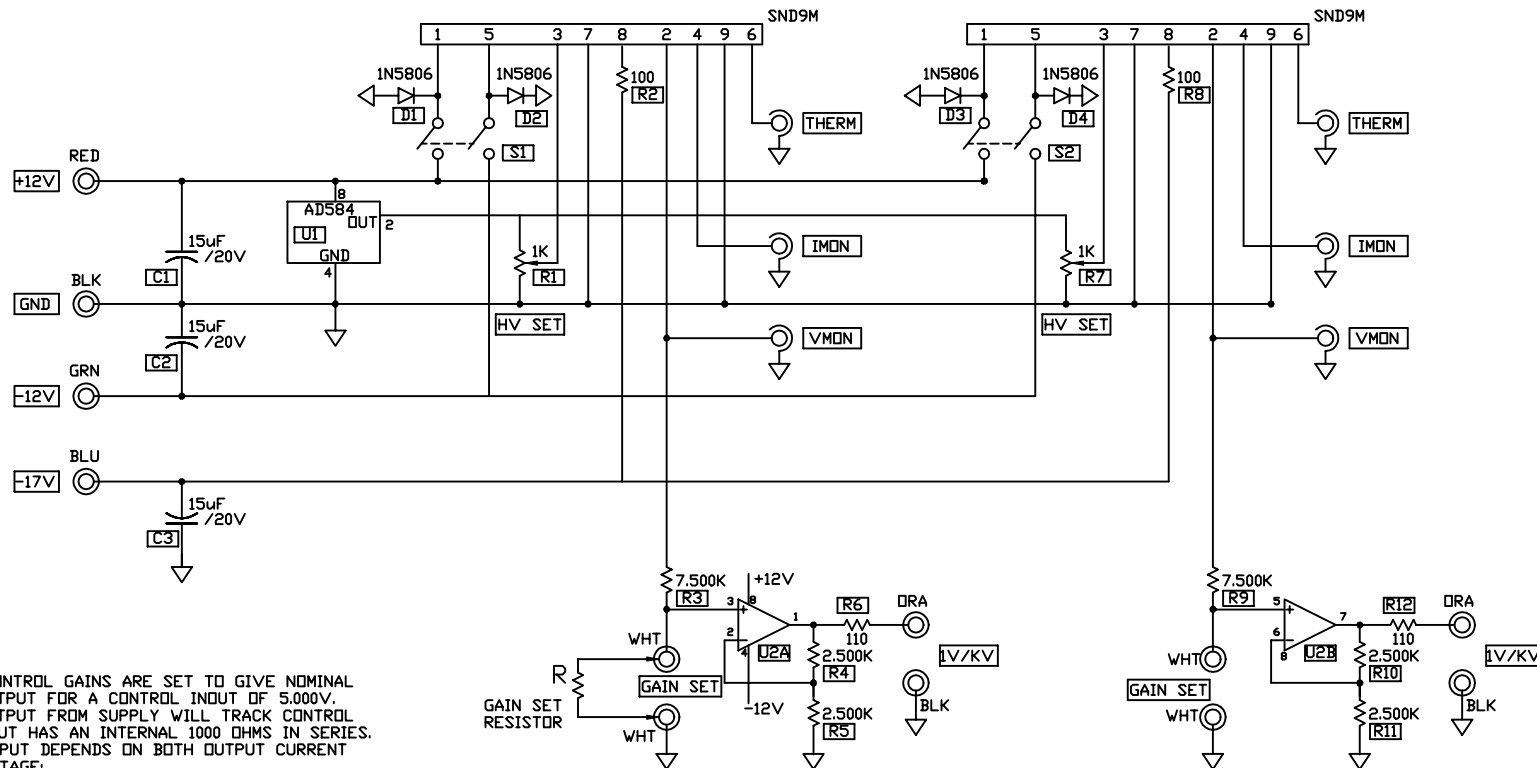


REV	DESCRIPTION	BY	DATE
A	INITIAL RELEASE	HDH	28 JUL 97



NOTES:

- 1) HVPS CONTROL GAINS ARE SET TO GIVE NOMINAL FULL OUTPUT FOR A CONTROL INPUT OF 5.000V.
- 2) VMDN OUTPUT FROM SUPPLY WILL TRACK CONTROL INPUT, BUT HAS AN INTERNAL 1000 OHMS IN SERIES.
- 3) IMON OUTPUT DEPENDS ON BOTH OUTPUT CURRENT AND VOLTAGE:

$$I_{OUT} (\mu A) = 18.14 \cdot I_{MON} (V) - 0.0019 \cdot V_{OUT} (V)$$
- 4) THERMISTOR IS YSI 44031 NOMINAL 10.00K AT 25 DEG C.
- 5) VOLTAGE MONITOR BANANA PLUGS GIVE 1V/KV WHEN GAIN SET RESISTOR IS PER THE FOLLOWING TABLE:

SUPPLY TYPE	MAX OUTPUT	CIRCUIT GAIN	REQUIRED R	RESISTORS USED IN MODULE
SI MCP	-6500	1.8571	15785	15000 + 825
WIC PHDS	+5000	1.0000	8500	
GEO	+3500	.5385	4576.6	4640 825000
WIC MCP	-2500	.3333	2833.3	