



ALIMENTATION

Circuit diagram of the power supply section. The circuit uses an ICL7660 (U3) charge pump to generate a -5V rail from a +5V input. The input +5V is connected to pin 2 (CAP+) and pin 8. Pin 4 (CAP-) is connected to pin 6 (LV) and pin 7 (OSC). Pin 5 (VOUT) is connected to pin 3 (GND) and pin 8. A diode D3 (1N4740A) is connected between pin 5 and pin 3. The output is a split rail supply with +5V and -5V rails. Capacitors C9 (10uF) and C10 (10uF) are connected to the +5V rail, and capacitor C8 (10uF) is connected to the -5V rail.

CONDENSATEUR A DECOUPLAGE

Circuit diagram showing decoupling capacitors for the power supply. The capacitors are connected to ground:

- +5V rail: C6 (100nF)
- 5V rail: C11 (100nF)
- +5V rail: C7 (100nF)

LM393

condensateur à mettre sur chaque CI (indiqué sur le schema)

