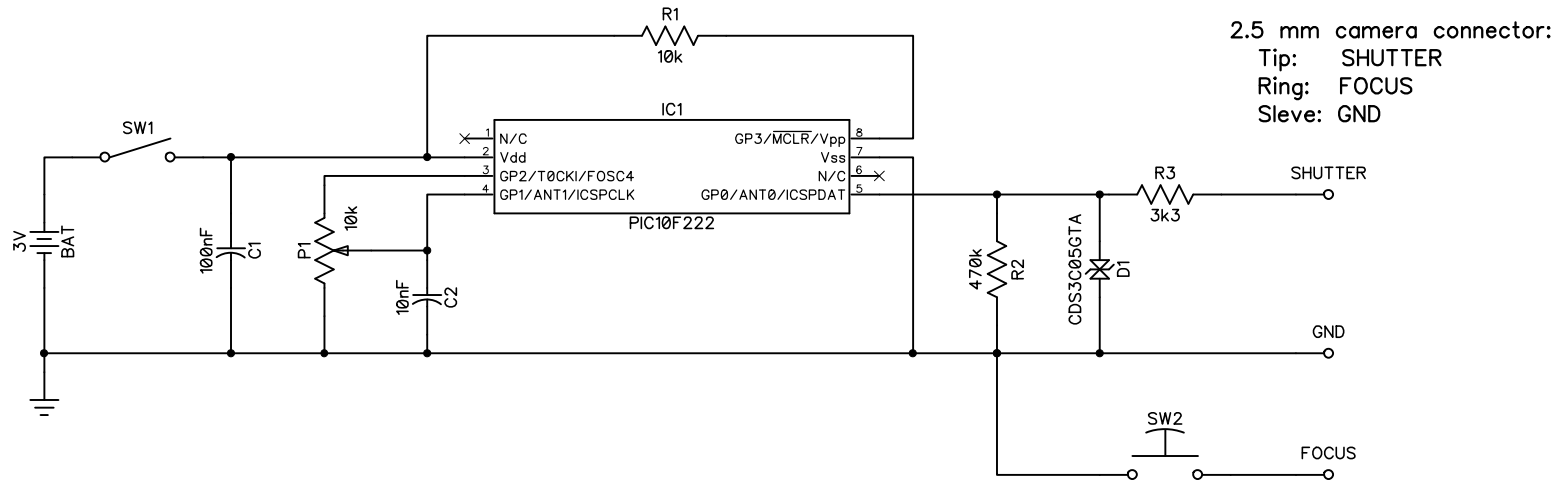


# Timelapse



C1 decouples Vdd & Vss for IC1

GP2 connects P1 to Vdd, 1 ms before A/D conversion is started. P1 is disconnected after A/D conversion completes

P1 is measured by A/D converter on AN1 and sets SHUTTER interval time

C2 filters A/D converter input signal

R1 gives a tiny bit lower current consumption in sleep mode (R1 otherwise not needed)

R2 is a very weak pull-down needed for detecting when camera is disconnected or shut down

IC1 enters sleep mode 20 seconds after camera has been disconnected or shut down

R3, D1 is ESD and overcurrent protection for IC1

Power consumption: active 240 uA, sleep 1 uA

A 210 mAh CR2032 battery lasts 36 days in active mode and >20 years in sleep mode

PIC10F222 based timelapse remote for Canon and Pentax DSLR

31.8.2009

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