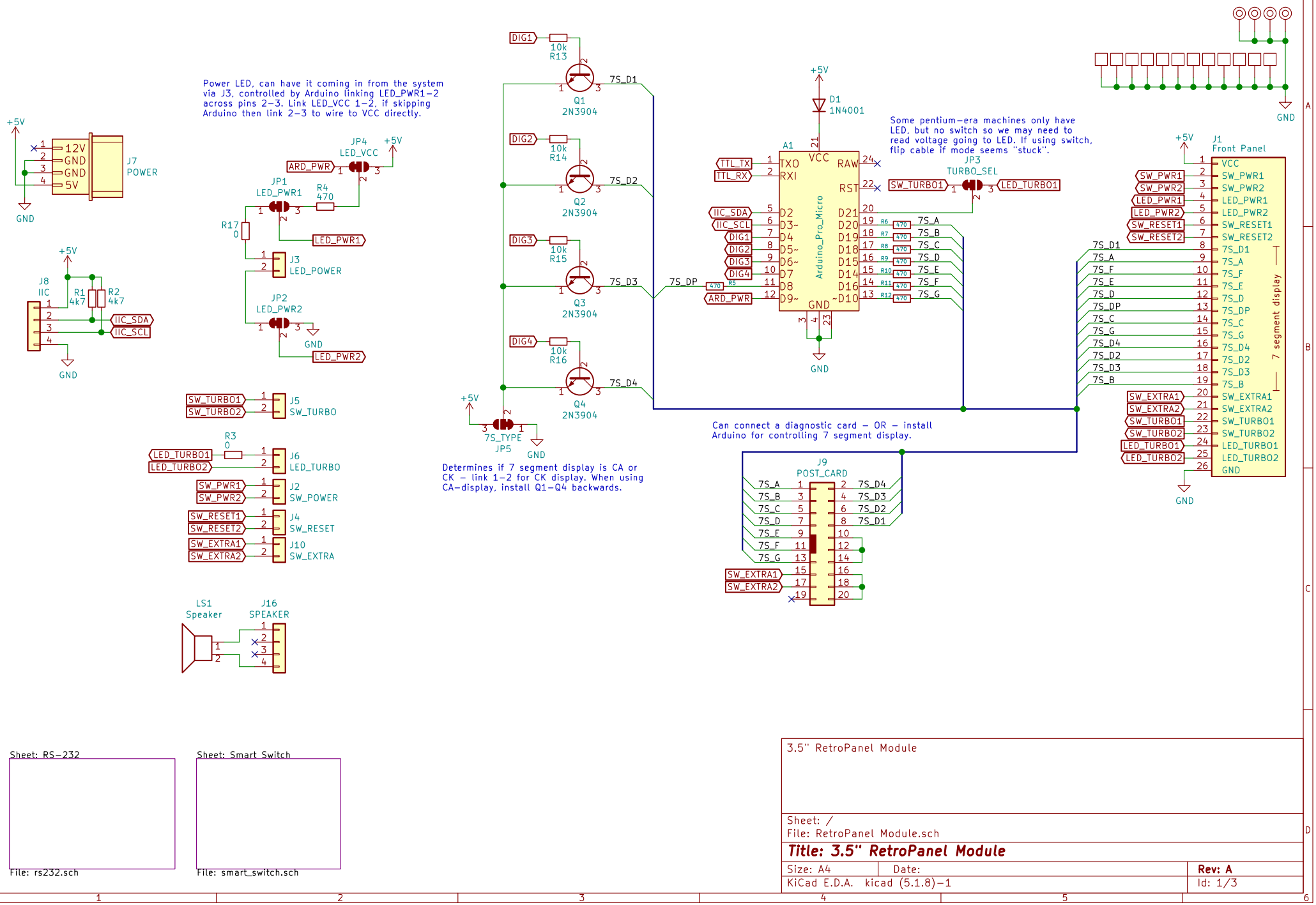
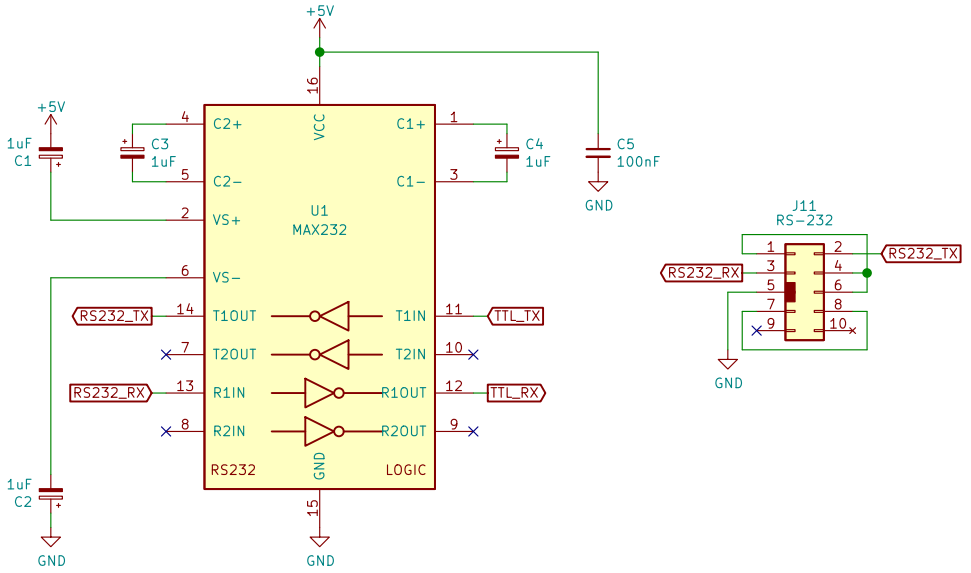

Power LED, can have it coming in from the system via J3, controlled by Arduino linking LED_PWR1-2 across pins 2-3. Link LED_VCC 1-2, if skipping Arduino then link 2-3 to wire to VCC directly.
Some pentium-era machines only have LED, but no switch so we may need to read voltage going to LED. If using switch, flip cable if mode seems "stuck".
Can connect a diagnostic card - OR - install Arduino for controlling 7 segment display.
Determines if 7 segment display is CA or CK - link 1-2 for CK display. When using CA-display, install Q1-Q4 backwards.
J7 POWER
J8 IIC
J1 Front Panel
J2 SW_POWER
J3 LED_POWER
J4 SW_RESET
J5 SW_TURBO
J6 LED_TURBO
J9 POST_CARD
J10 SW_EXTRA
J16 SPEAKER
JP1 LED_PWR1
JP2 LED_PWR2
JP3 TURBO_SEL
JP4 LED_VCC
JP5 7S_TYPE
A1 Arduino_Pro_Micro
Q1 2N3904
Q2 2N3904
Q3 2N3904
Q4 2N3904
D1 1N4001
LS1 Speaker
7 segment display
Sheet: RS-232
File: rs232.sch
Sheet: Smart Switch
File: smart_switch.sch
3.5" RetroPanel Module
Sheet: /
File: RetroPanel Module.sch
Title: 3.5" RetroPanel Module
Size: A4
Date:
Rev: A
KiCad E.D.A. kicad (5.1.8)-1
Id: 1/3



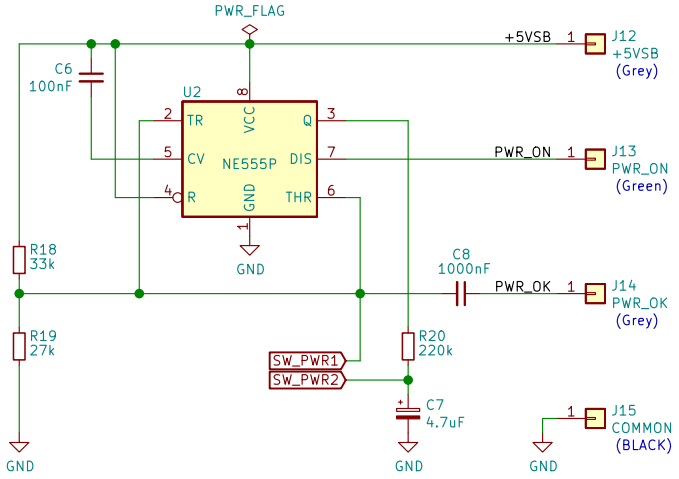
C1−C4 may be 100nF monolithic capacitors when used with MAX232A IC. When used with the common cheaper alternatives such as MAX232CPE, these need to be 1uF polarized electrolytic capacitors.

Handles the circuitry for connecting to the Arduino over RS−232.

Sheet: /RS−232/
File: rs232.sch

Title: 3.5" RetroPanel Module (RS−232)

Size: A4	Date:	**Rev: A**
KiCad E.D.A. kicad (5.1.8)−1		Id: 2/3



Note that the colours assigned in the specification might not actually match the cable that you have, in particular the cheap extensions and ATX to AT cable harnesses may have shuffled these around depending on what they had on hand.

Circuit for using standard ATX-case with ATX to AT-kits, the circuit allows the PSU to shut down when one of its outputs have been shorted. If the circuit is not needed, a latching switch is installed on the front and then wired to the ATX to AT cables.

Sheet: /Smart Switch/
File: smart_switch.sch

Title: 3.5" RetroPanel Module (Smart Switch)

Size: A4	Date:	**Rev: A**
KiCad E.D.A. kicad (5.1.8)-1		Id: 3/3