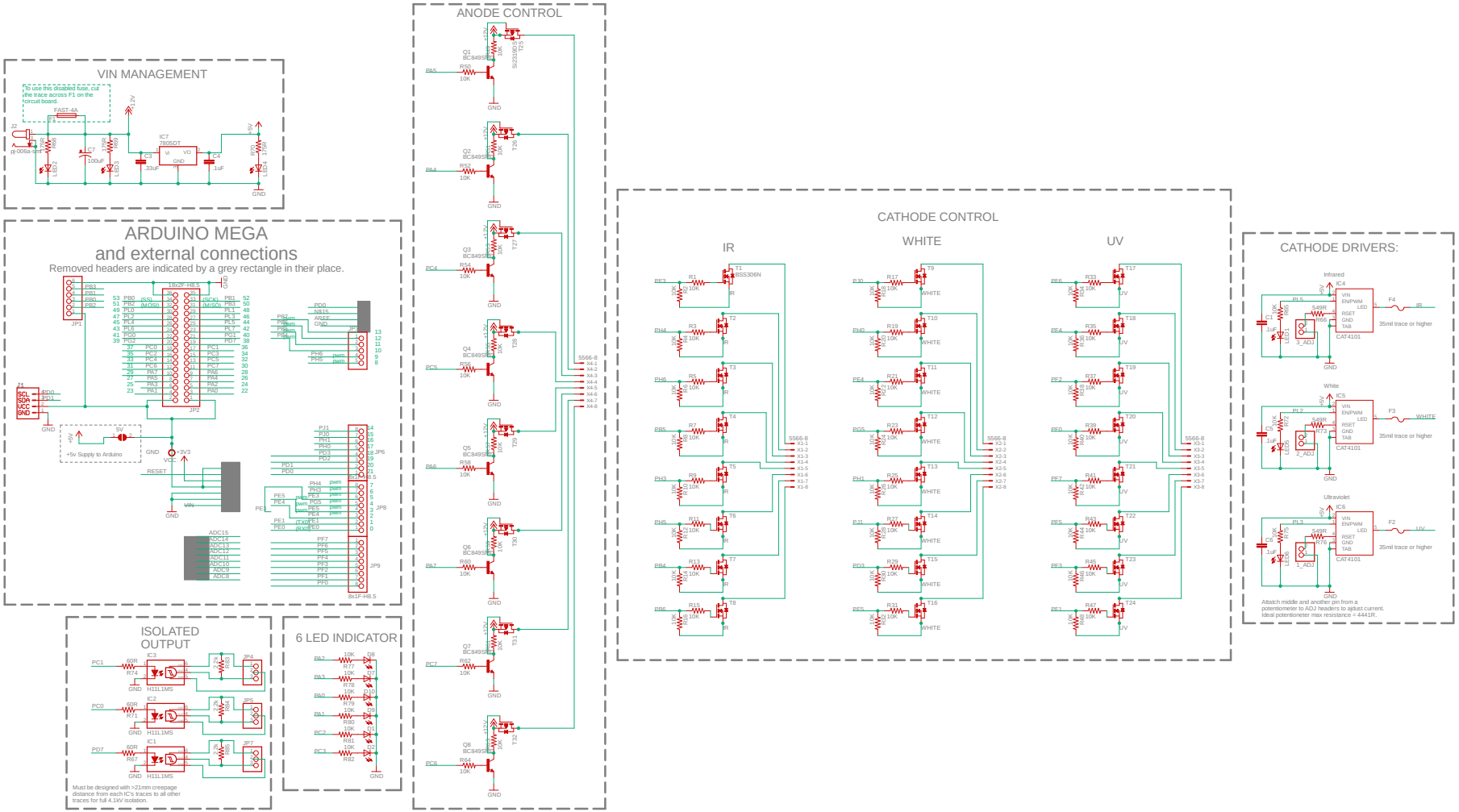
VIN MANAGEMENT
To use this disabled fuse, cut the trace across F1 on the circuit board.
FAST-4A
J2
IC7
7805DT
C7
100uF
C3
.33uF
C4
.1uF
ARDUINO MEGA
and external connections
Removed headers are indicated by a grey rectangle in their place.
JP1
JP2
JP3
JP6
JP8
JP9
+5v Supply to Arduino
ISOLATED OUTPUT
IC3
IC2
IC1
H11L1M
Must be designed with >21mm creepage distance from each IC's traces to all other traces for full 4.1kV isolation.
6 LED INDICATOR
ANODE CONTROL
CATHODE CONTROL
IR
WHITE
UV
CATHODE DRIVERS:
Infrared
White
Ultraviolet
IC4
IC5
IC6
CAT4101
35mil trace or higher
Attatch middle and another pin from a potentiometer to ADJ headers to adjust current. Ideal potentiometer max resistance = 4441R.