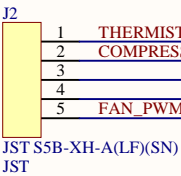


Kegeator Temperature Controller Modification

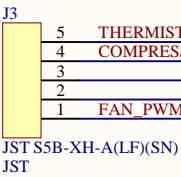
For use with Komos V2 Kegeator KG440C or equivalent, to prevent short-cycling.
The stock temperature controller has a habit of randomly turning on the compressor for 1 sec, then turning it back off.
Implement an FSM in a cheap MCU that filters transients and enforces minimum on and off times.
Also allow control of the fan PWM to override fan speed.
ATTINY212 is a single-component solution, costing less than \$1

From front panel

Extension cable pinout is mirrored.
Cable Pin 1 connects to Pin 5, etc.



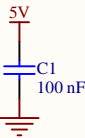
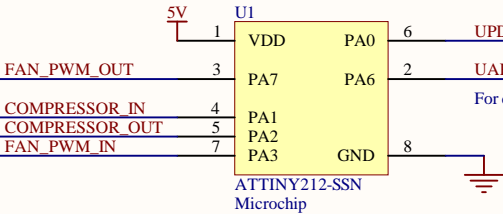
To power board



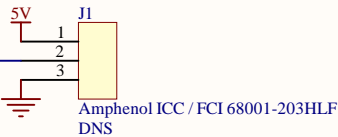
Stuff R1 to allow front panel to control fan.



MCU



For programming only



Title		
KEGATOR MODIFICATION FOR COMPRESSOR AND FAN CONTROL		
Size	Number	Revision
A		
Date:	7/26/2022	Sheet of
File:	kegeator_mod.SchDoc	Drawn By:

KEGENERATOR MOD

REV B

POWER BOARD

FRONT PANEL

5V
UPDI
GND

C1

R1

BOA
BOA
BOA
BOA



FRONT

PANET

