from 24V 6A Switching regulator
+27V (tuned at SW'ing Regurator)

30V voltage meter
5A current meter

1.25V ~ 24V 5A series regulator part

with heat shink (mount on PC fan)

trim = tune max V to 24V
PC fan control part

from Switching regulator
+24~27V

IC2 7812
+V

+12V for PC fan

+V

IC3 7805
+V

+5V for AVR

PC-fan 4-pin connector
Molex 4-pin connector 22-23-2041

+12V for fan motor
to Black-wire pin
to Red-wire pin
to Sense-wire pin (Motor rotation pulse)
(open-collector output: pulled-up in Controller board)
to Control-wire pin (Motor PWM control In)
through 1k ohm series protection resistor in Controller board

temperature sense at heat shink

ATtiny45

7812

+24~27V

GND

VCC

PC-fan 4-pin connector
Molex 4-pin connector 22-23-2041

to Black-wire pin
to Red-wire pin
to Sense-wire pin (Motor rotation pulse)
(open-collector output: pulled-up in Controller board)
to Control-wire pin (Motor PWM control In)
through 1k ohm series protection resistor in Controller board

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