EL 6483 Real-time Embedded system

HW 5 Due 14th Apr. 2016

Shuaiyu Liang (sl5352)

2. the variable temp read in values from ADC, which is 12bit. Later on all calculation are done in float data structure. What it do is essentially, transfer read in ADC value into voltage that corresponding to current temperature. Than it doing a difference between 25 Celsius degrees. Then transfer from voltage back to temperature, add up 25 Celsius degrees.

* Temperature (in °C) = {(VSENSE – V25) / Avg\_Slope} + 25