

File: coursesF16/303H/watch\_topicsF16\_signup 09/23/16

Scheduled for Tu 11/01/13 and Th 11/03/16; Order of presentation as per numbered entries.

Considers the electronic watch kit TI eZ430-Chronos-915

1. LCD driver -
2. LCD display – Abdullah, Tauqir (primary topic)
3. Clock oscillator
  - a) Circuit - Yee, Karl Chun-Hao (secondary topic)
  - b) Quartz Seetharaman, Arun (secondary topic)
4. Pressure sensor - Abdullah, Tauqir (secondary topic)
5. Acceleration sensor - Zheng, Xiechen (primary topic)
6. Antenna - Seetharaman, Arun (primary topic)
7. Buzzer - Medina, Erick Javier (secondary topic)
8. Power Supply circuits - Wang, Hugo (secondary topic)
9. Mother board circuits Wang, Hugo (primary topic)
10. Temperature sensor - Zheng, Xiechen (secondary topic)
11. Microcontroller – block diagram Medina, Erick Javier (primary topic)
12. Microcontroller – chip/circuitry - Yee, Karl Chun-Hao (primary topic)
13. Access point circuits
14. Comparison with other watch types
  - a. Quartz with rotating hands
  - b. Accutron with tuning fork