

ECE 411

Practicum Week 7 HW Part 1

Design Reviews

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From Group 17:

- AVCC needs power + cap to ground
- AREF needs cap to ground
- LCD Pin 10 needs Volts
- Give names to J2

From Eric

- Make sure Team name, date, version is on silk screen
- Thicken 5V
- Trace 0 – ground supplies – Fix it
- Refer to AREF datasheet
- Power regulator needs to take in 5 volts
- 6 pin header and Display LCD should be separated a little

From Andrew:

- 100 nF cap AREF – cap to ground
- Bypass AVCC – cap to ground
- Ground symbol for each LCD
- Via 'GND' stitch two ground planes
- Din - +doc – dimensions
- J2 Blue wire – change top larger (Red)
- PD2 – serial adapter – delete Pin 1 on J2
- Bypass cap literally next to Pin C6
- Drill holes too small – Make larger