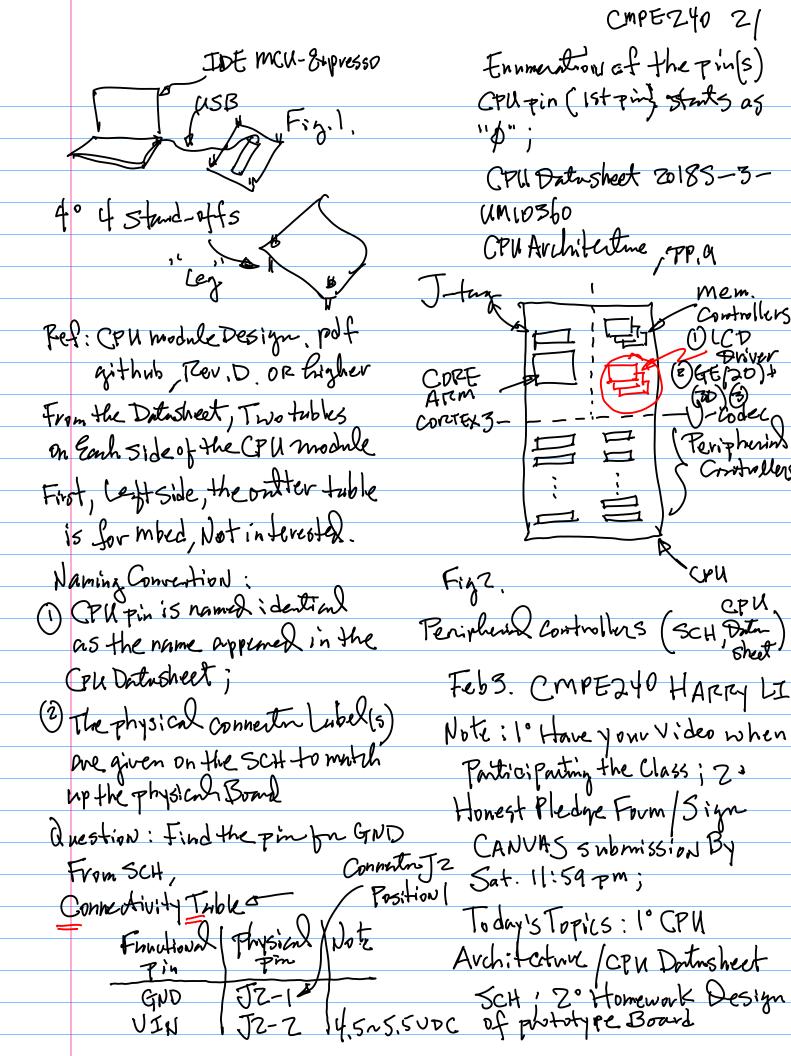
CMPE240 Feb! (Mon) / Jan 27 (Wed), 202 HARRY LI Todays Topics: 1° System Level CMPE 240 Welcome to 240 Section Z Architecture - LPC 1769 Ref: github/hvalili/cmpe 240/ Emil: Rua li@sjsu.edu 20184-102 2° CP V Data-Office Hours: M.W. 4:30-5:30 pm. Zoom Based Sheet Example: Greenshet github/hudili 1° CPU module (a), center of the CMPEZ40/2018F System Cyont Design References; NXP1769 1. Greensheet DN github (650) 400-1116 Text Messge Prototype digi-key.com mouser Theregusit Regiments 1800 Advanced Microprocessor Systems Z. Wivenvapping Board Smart phones & RISC Architecture Divension: 6"x4" SG, Edge AI & JoT, AI ~ BPU with Through-Holes,
Architectural and ONE side of Board
Ropply Pe System Asperts whose through-Holes Fully Functional Microprocessor with metal plating; But
System not the caline Board (just Action Items: the throny-Holes) 1 github/hualili/cmpezyo 3 PWR CKT: JI Connector Zo Pre-regarit Regimements, 180D Right Angle Connector; 3º CPC 1769 CPU module 5/W Toggle Switch; IC digi-tay. com or mouser. com Regulation 7805, 1117 Handson: multiple projects, 3 mile Resistor, Cap. (LPF)
Stones
NXP. Com Note: Debug Development 4° CPU Datasheet 5° MCU expressio No External Park CKT



Peripheral Controller Init's Config for Special Ref: SUCPU Datusheet, PP9 Purpose Registers will define Example: From SCH.
10 SPI Serial Exipheral Interfrue while function the più will Action |: Homework -Note: RESET pintres to Inchall in Read SCH, generate a Dur Prototype Deign table for all periphering STUBLE: CFLE Datasheet, pp.q MOST: Master Output Slave Input SPIA SPIB Slave [TubleZ: SCH, to find subset of the 10 Controller. Advanced feature: MISO: Master Input Slave Output G.E. Graphics Engine SCK: Serial Clock (0) Example: Broadcom Pie3Bt, 479GE SSEL: Enable SPI Controller (ON the Slame Side, Active Low) NUDA: GPU (Graphics Note: mosi, miso, sckx, SSELX, where & Stands for the Provessing Unit)

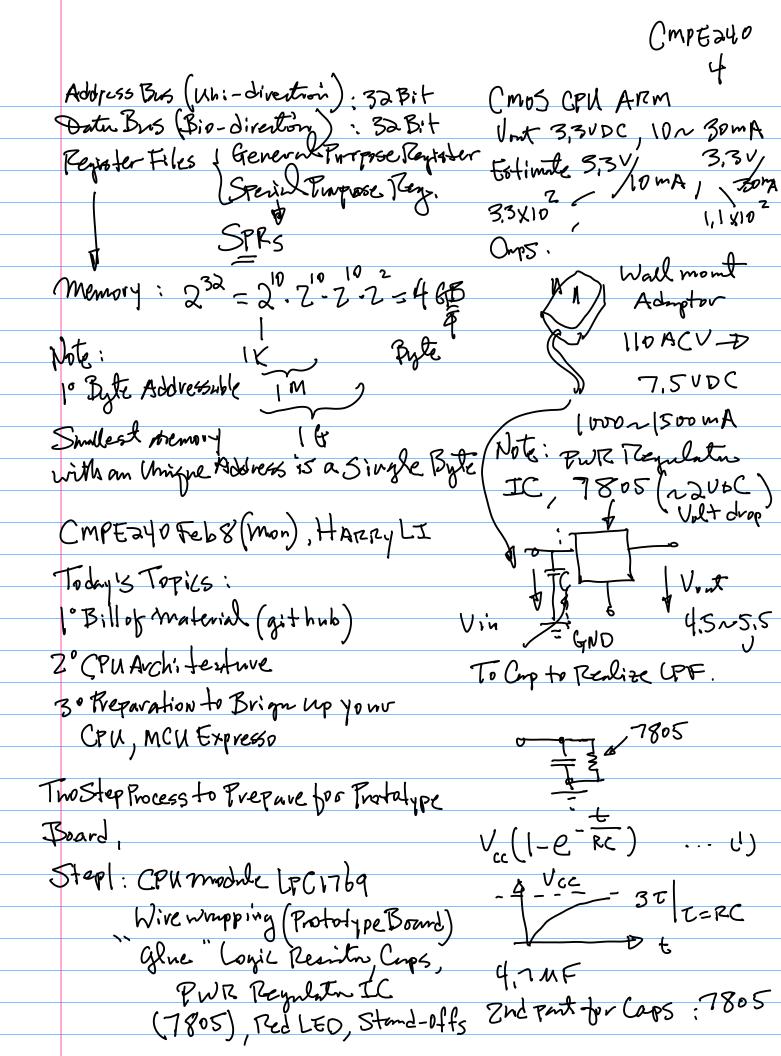
Xth of SPI Controller "3+1" NAND 1286PU.

Stion: Find Number of SPI IF | most/miso/sck 2566PU

TX2, 60PU+

SSEL (Enable) & 2566PU

This (PC1769 CPU? (SSEL (Enable)) xth of SPI Controller Question: Find Number of STIIF forthis LPC 1769 CPU? Software Implementation Two STI I/F STIO, STI, SPITWAVE Implementant ZO MART (Serial I/F), Note PS232 for G. F (20, 3D) DASIC Concepts. JTX (Trunsmitter) 1° RISC (Reduced Instruction [ Rx (Receiver) 3rd pin has to Be a pont of it GOD Set Computer) (ARM) (MINS PO.O; PO.I Andtiplexing, TX/SDA 32 Bit



Datosheet for 7805, Corps are 3º Memory Bank: 8 those with Polarily 46/8=21.51.51.5/23 Bill of the material to Build = 29.210,210 = 5/2M Question: How many Bits from SPIIF Bused Color LCD the Addr. Bus do we need to Device, a SPI (NotIZC) uniquely define Fuch memory b Module - Connector SEST7735 R(IC) agi ago azai aga ··· ark Saftware API Z-3 Weeks LSB:+ (St BANK CPU Arch: technic Discussion Little Starting Addr. of the Endian 1st Bank, 1 . Warnow was 0 × 0000\_0000 What is the Starting Address at the 2nd Bank: 8 x 2000- 0000 j - 2nd BANK 0x4000-0000; -3rd BANK

Byte Addressable Mauhine

Whose Smallest Men. Cell

With unique address is a

Single Byte