

CMP127 Microprocessor Systems.

Feb 6th, 2017 14L.

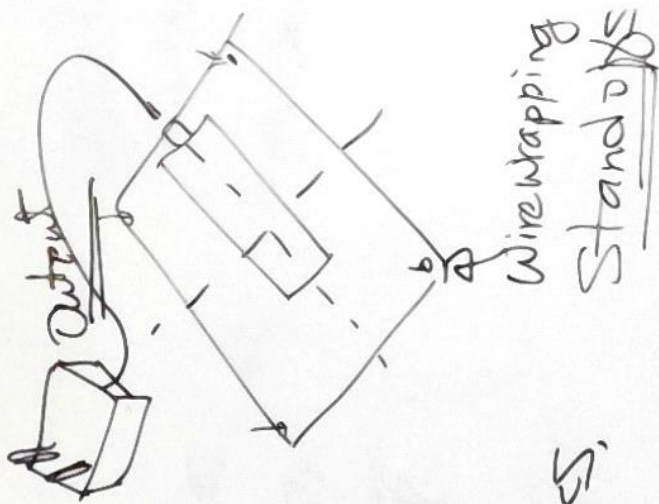
Quiz: Draw System Block Diagram
Which Shows (1) CPU Core and

Jtag unit (2) Memory Controller Blocks,
(3) Peripheral Controllers.

Today's Topics: 1° Layout Design - Lab
2° CPU Architecture Memory Map - I.D.E. / Lab 1
Homework: NXP website - AS Developer
B, Next Monday. Xpresso.

Example: Layout Design.

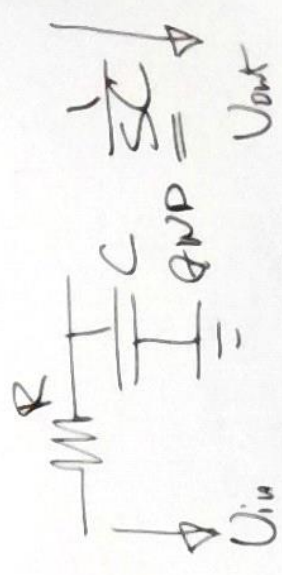
SMD
Surface Mount Device



PWR CKT Design.

Table 1 PWR CKT

U1	Wall mount PWR Adaptor 7.5 VDC
	1500-2000mA



$$V_{out}(s) = \frac{U_{in}}{R + \frac{1}{sC}}$$

$$= \frac{U_{in}}{1 + sRC} \quad \tau \text{ Time Constant}$$

$$V_{oc} \left(1 - e^{-\frac{t}{\tau}} \right) \quad \text{Charging.}$$

Central Expy + Corin
SW4 (South West Corner)

