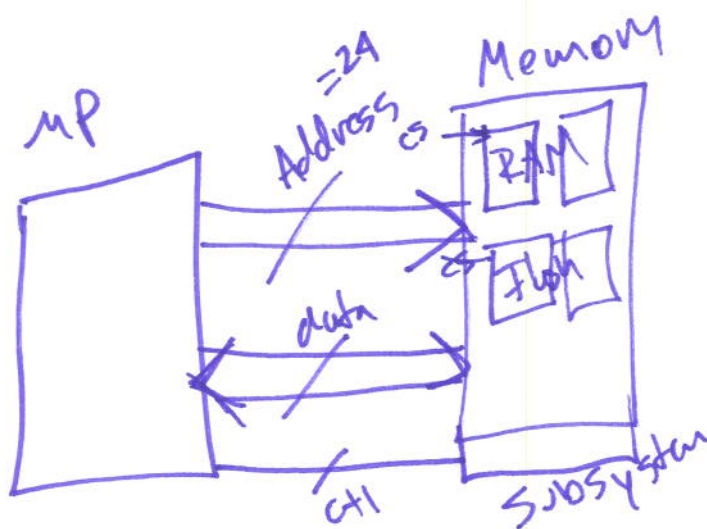


(1)



Address Space external  
 $2^{24} \rightarrow 16 \text{ Mb}$

Data bits  
 $2^{16} \rightarrow 32 \text{ Mb}$

$$\frac{50}{1,000,000} = .05\% * 12 = .0006$$

Accurate? - Yes  
 Why needed?  
 Communications  
 USB - accurate

$$12,000,000 \pm 600$$

# Analogy

②

Temp  
Pot

Pressure  
Accel

Digital  
push button  
SPI

I<sup>2</sup>C  
UART  
Ethernet

Distance meter  
→ Ping SV - Parallax  
→ u controller 3.3  
Level shifter BOB-08745

TA  
Tue/Thu  
3-5pm  
EPIC  
2148

How do you connect these?  
Press button - measure distance  
Put info on screen