The external devices attached to the microcontroller provide functionality for the system. An **input port** is hardware on the microcontroller that allows information about the external world to be entered into the computer. The microcontroller also has hardware called an **output port** to send information out to the external world. Most of the pins shown in Figure 2.11 are input/output ports.

VIDEO 2.6 I/O PORTS AND INTERFACING

C2 Fundamental Concepts 2c

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DR. JONATHAN VALVANO: Because the focus of this class will be on I/O,
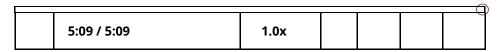
let's look, let's overview the type of I/O on our TM4C123.

We have a Cortex M4 processor.

And we have RAM.

And on another bus, we have ROM.

But let's look at the I/O devices.

The Cortex M has ports.

5:09 / 5:09		1.0x					

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