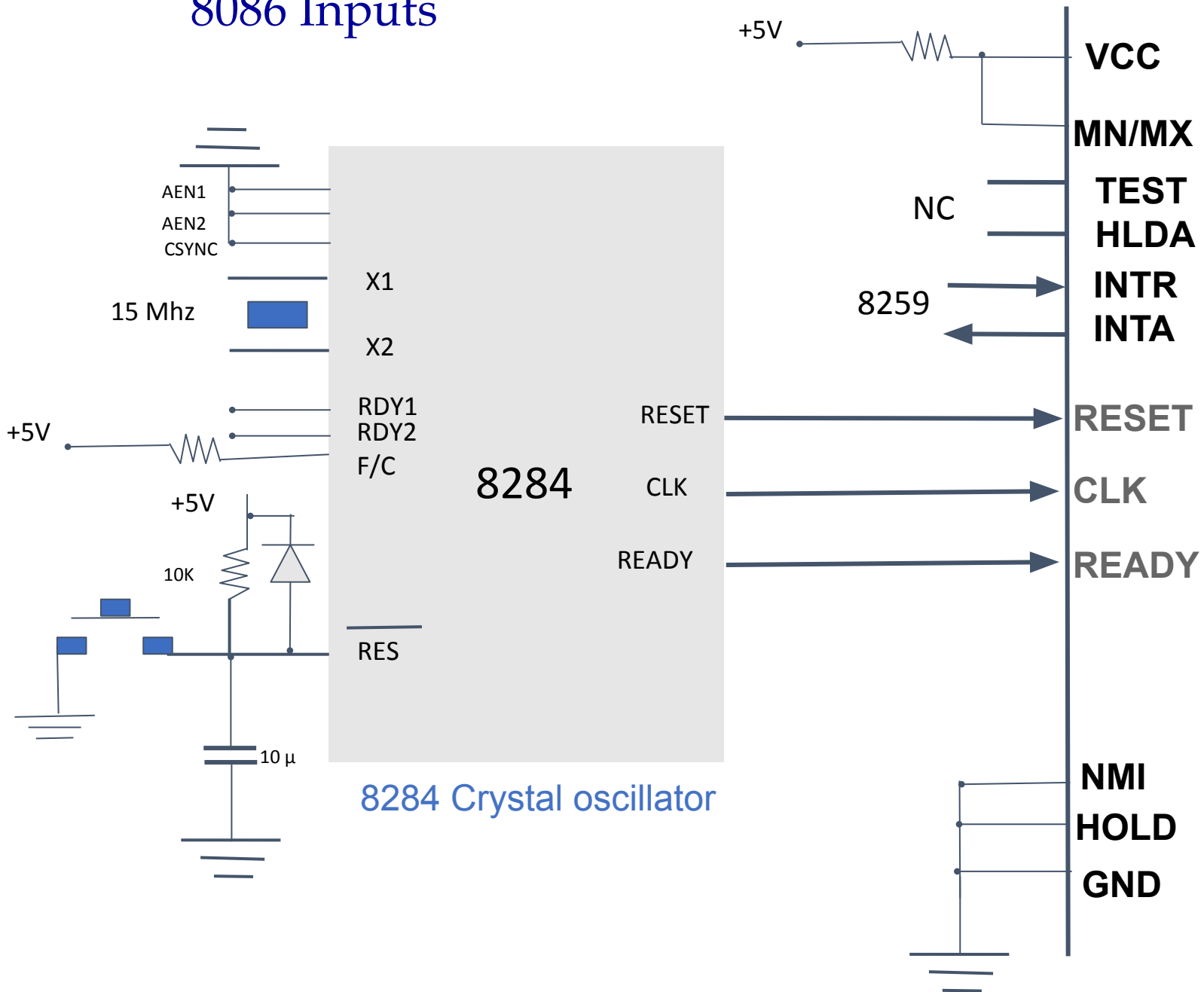
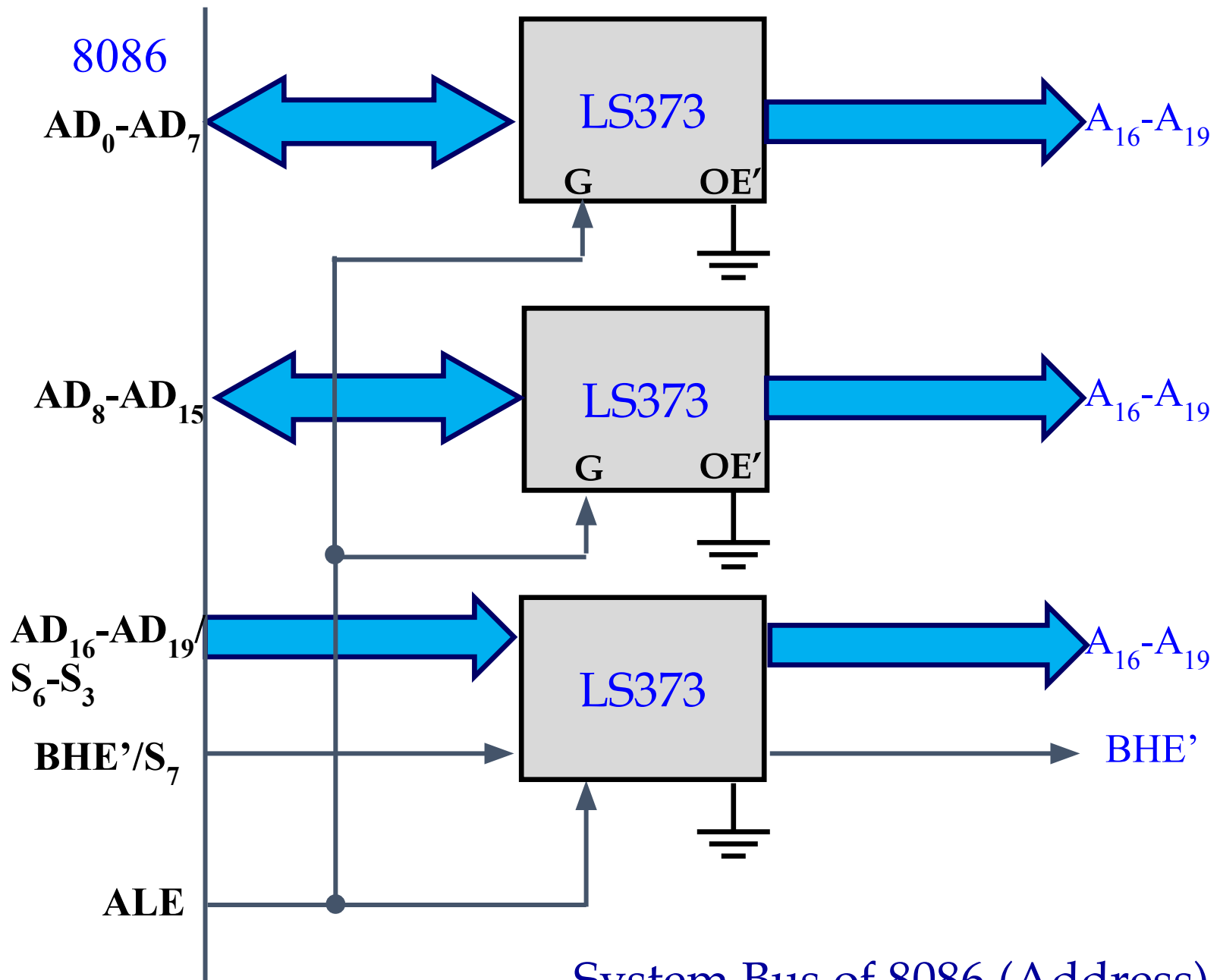
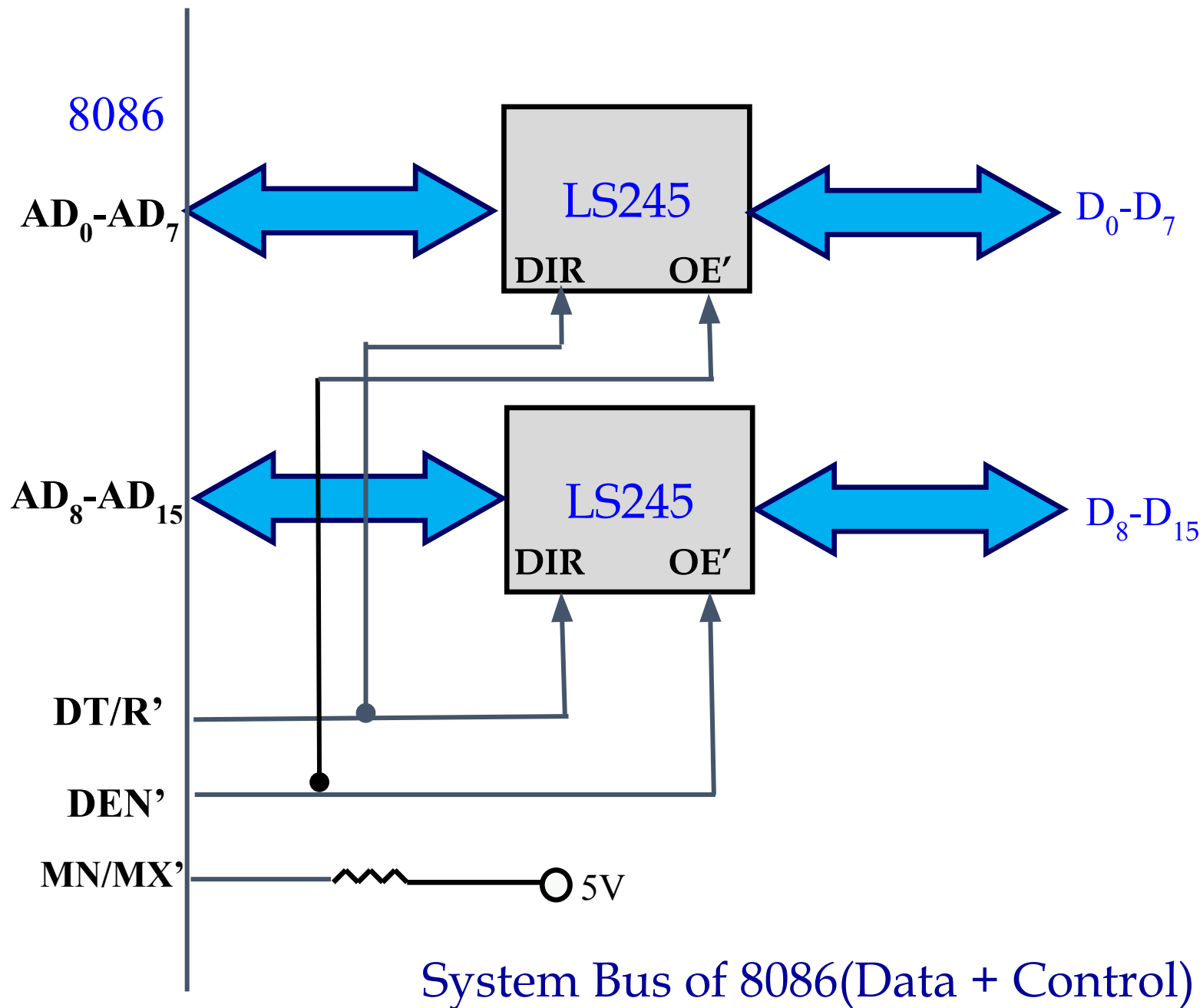


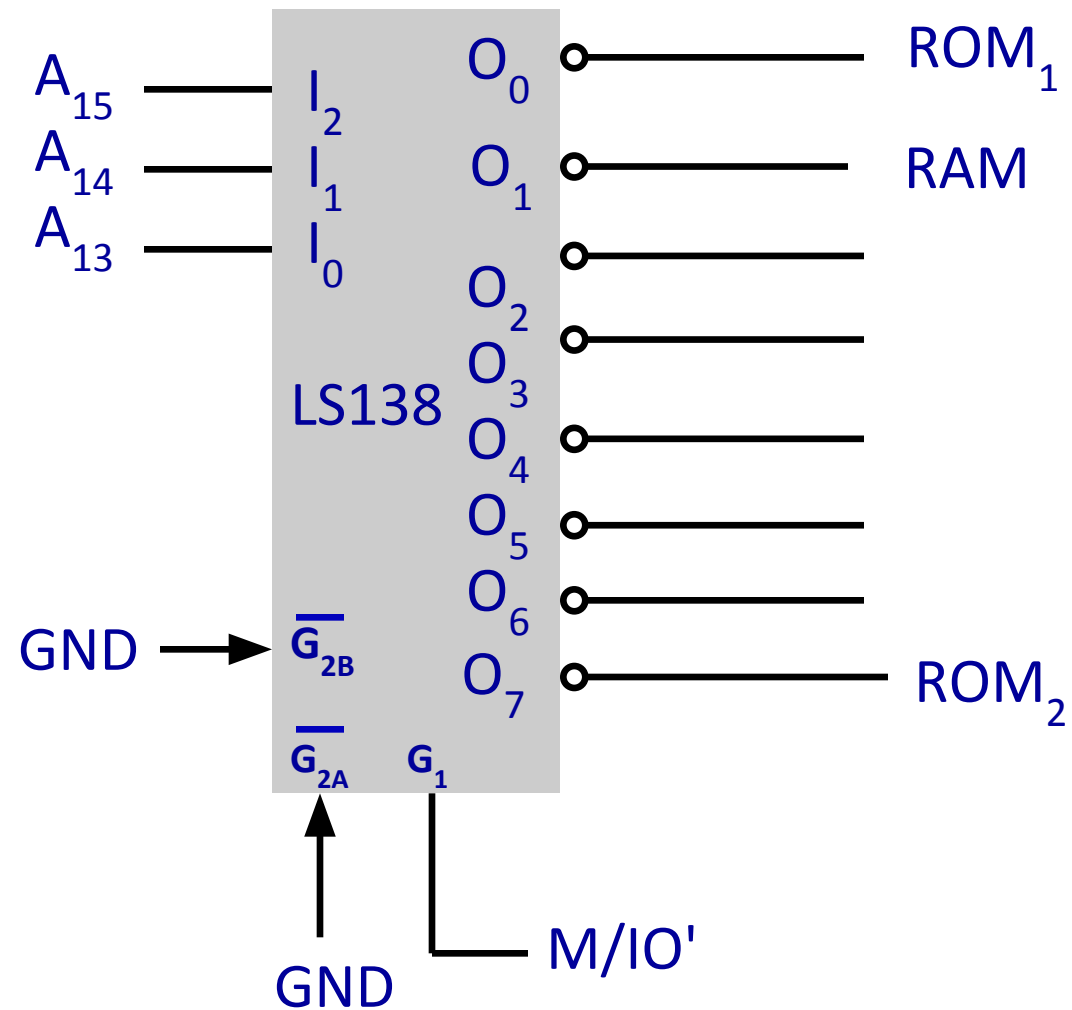
8086 Inputs



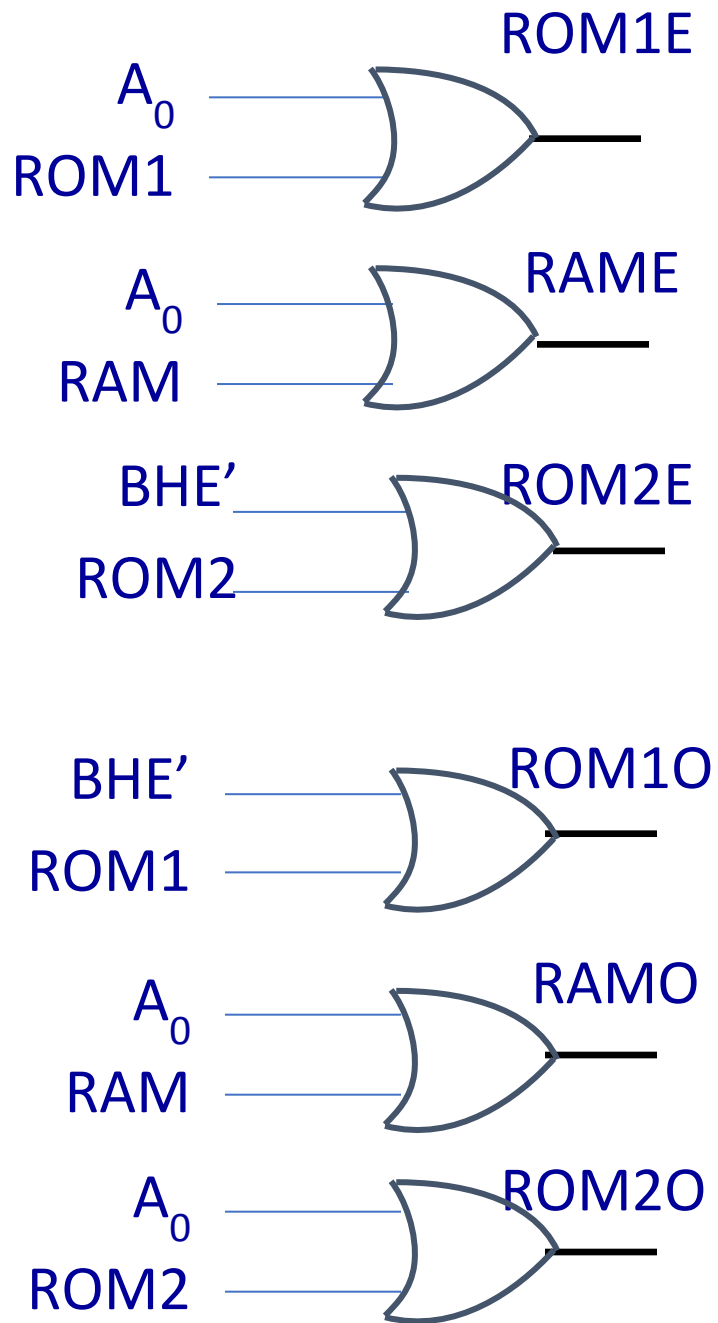


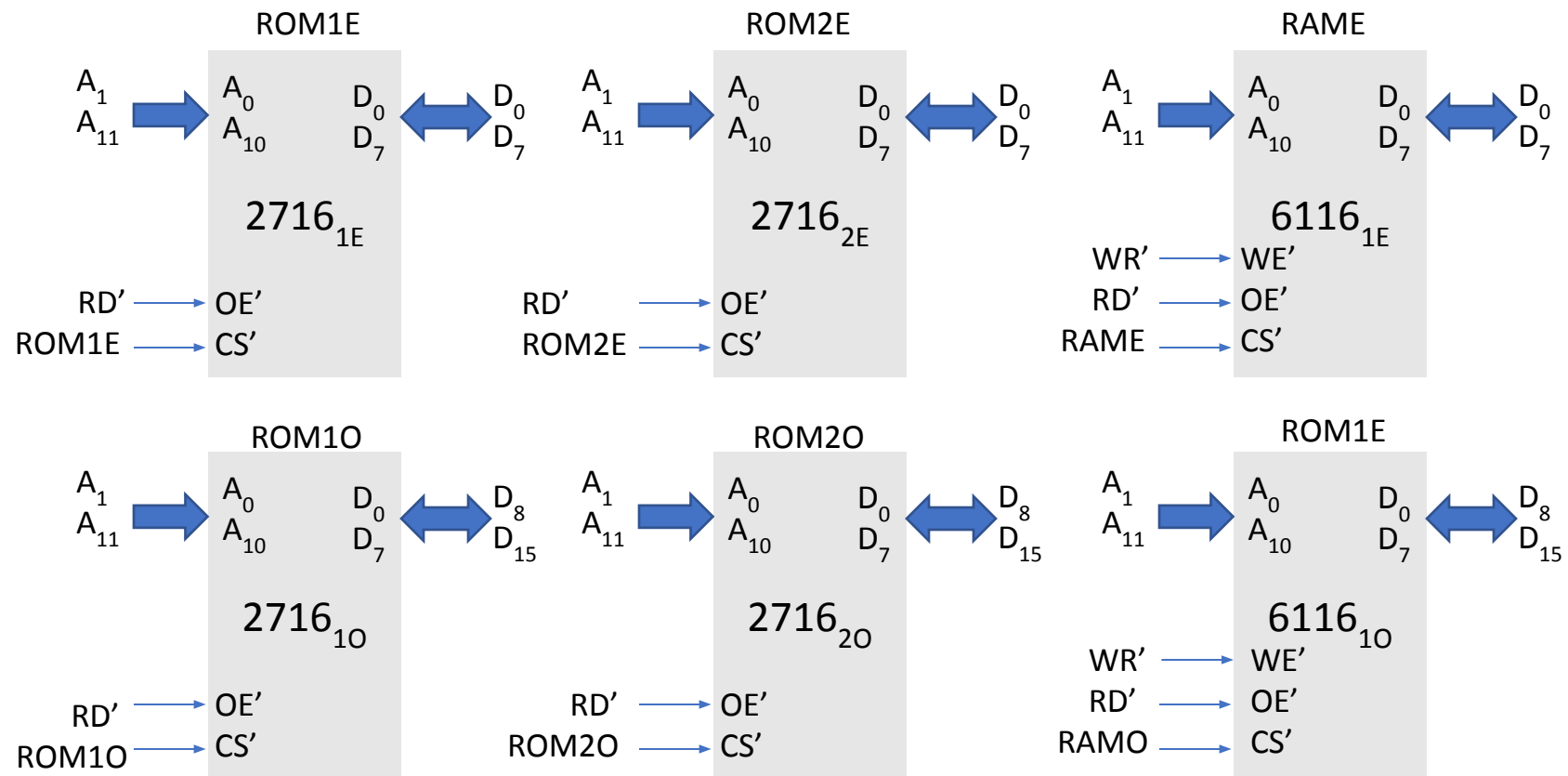
System Bus of 8086 (Address)



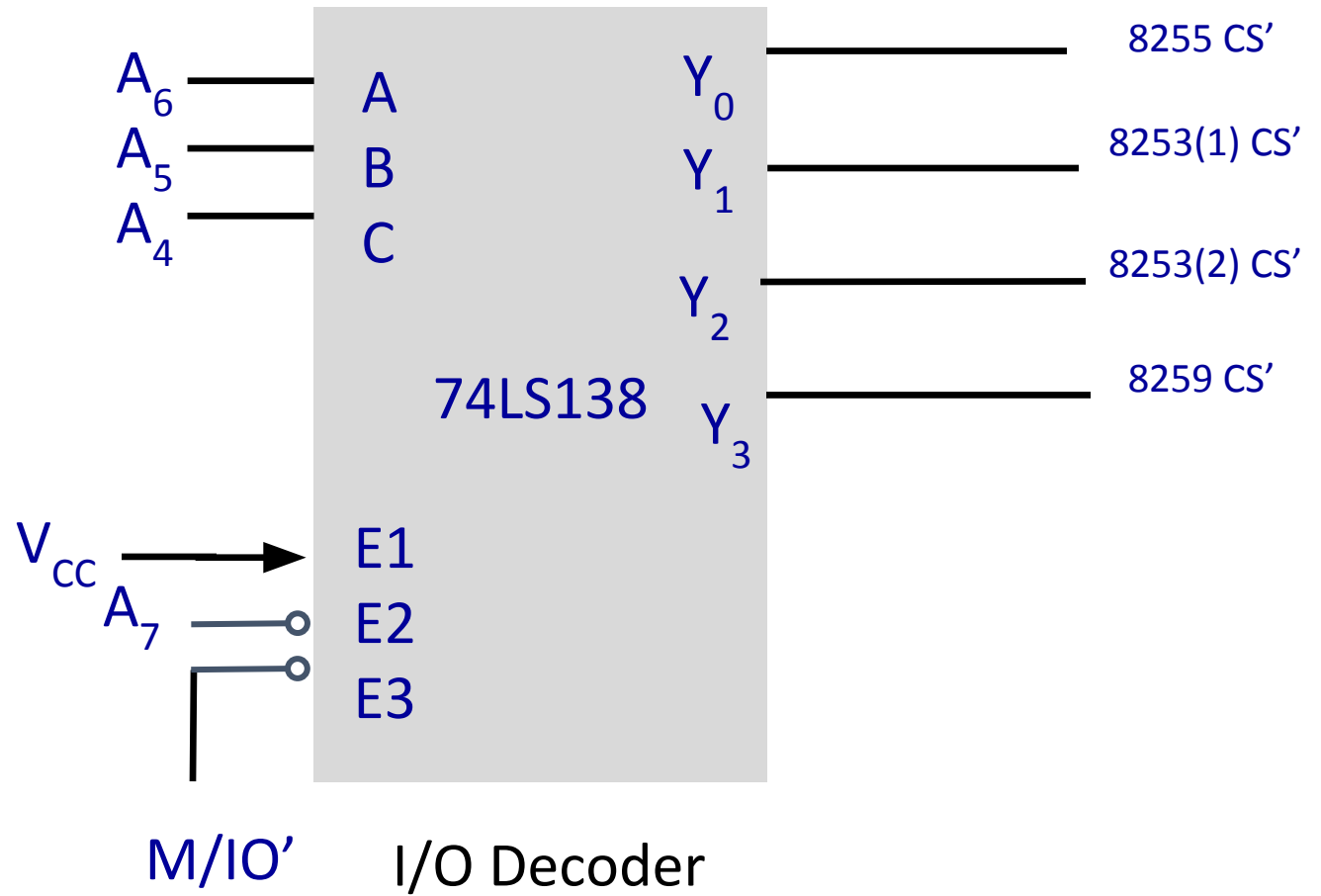


Memory Decoder

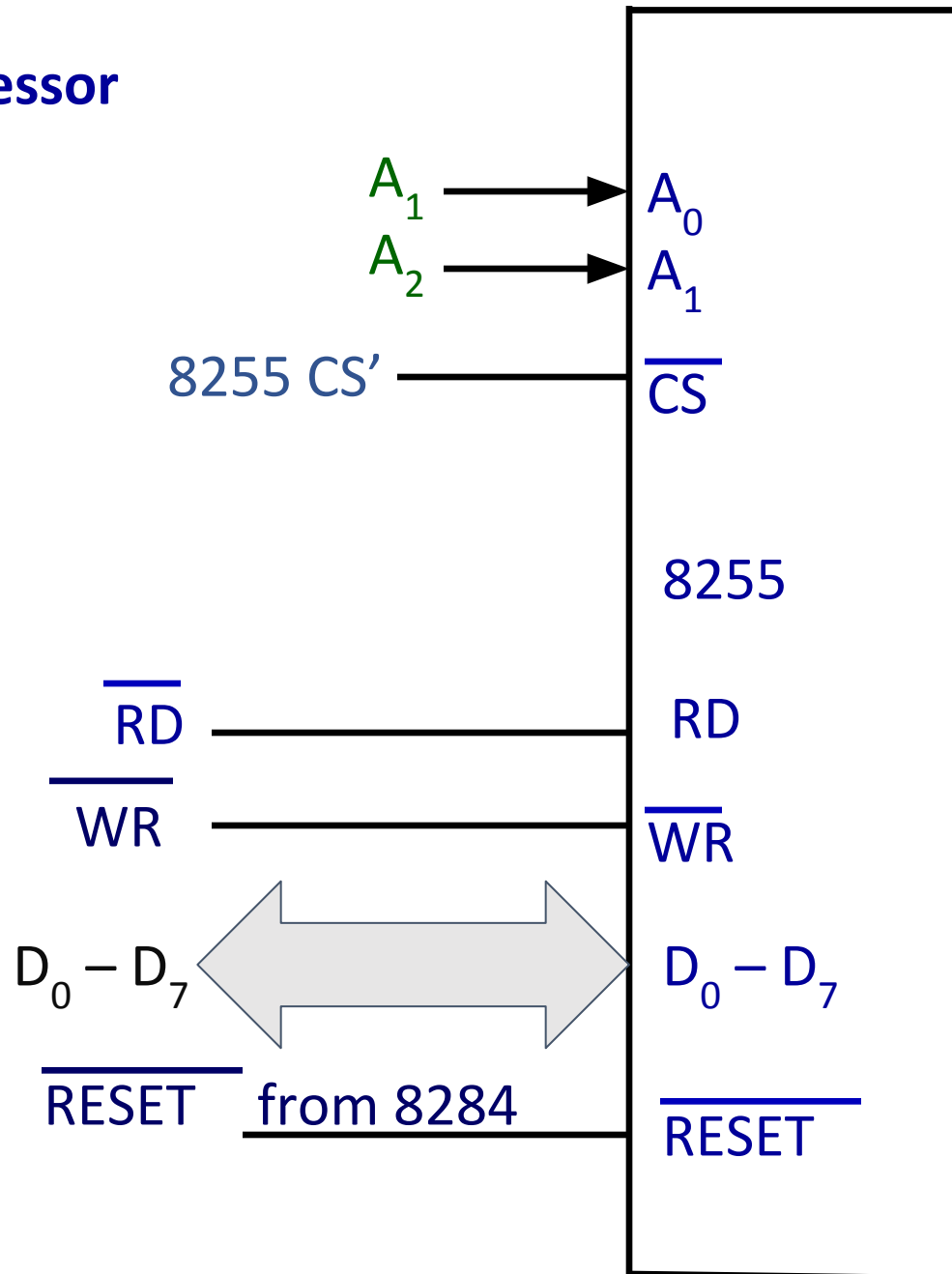




Memory Interfacing



8255 Interface to the processor



8255 Interface to the I/O devices

Port A o/p

PA₀ i/p to lock
PA₁ Water-In Valve(Relay)
PA₂ Water-Out Valve(Relay)
PA₃ Process End Buzzer
PA₄ Alarm (Door)
PA₅ Detergent Valve(Relay)
PA₆ Alarm (Malfunction)
PA₇

Port B i/p

PB₀ Water Full Sensor
PB₁ Water-Empty Sensor
PB₂
PB₃ Door Sensor
PB₄ 8253(1) OUT2
PB₅ 8253(2) OUT0
PB₆ 8253(2) OUT2
PB₇

Port C lower i/p

PC₀
PC₁
PC₂
PC₃

Port C higher o/p

PC₄ 8253(1) G2
PC₅ 8253(1) G1
PC₆ 8253(2) G0
PC₇

RESUME

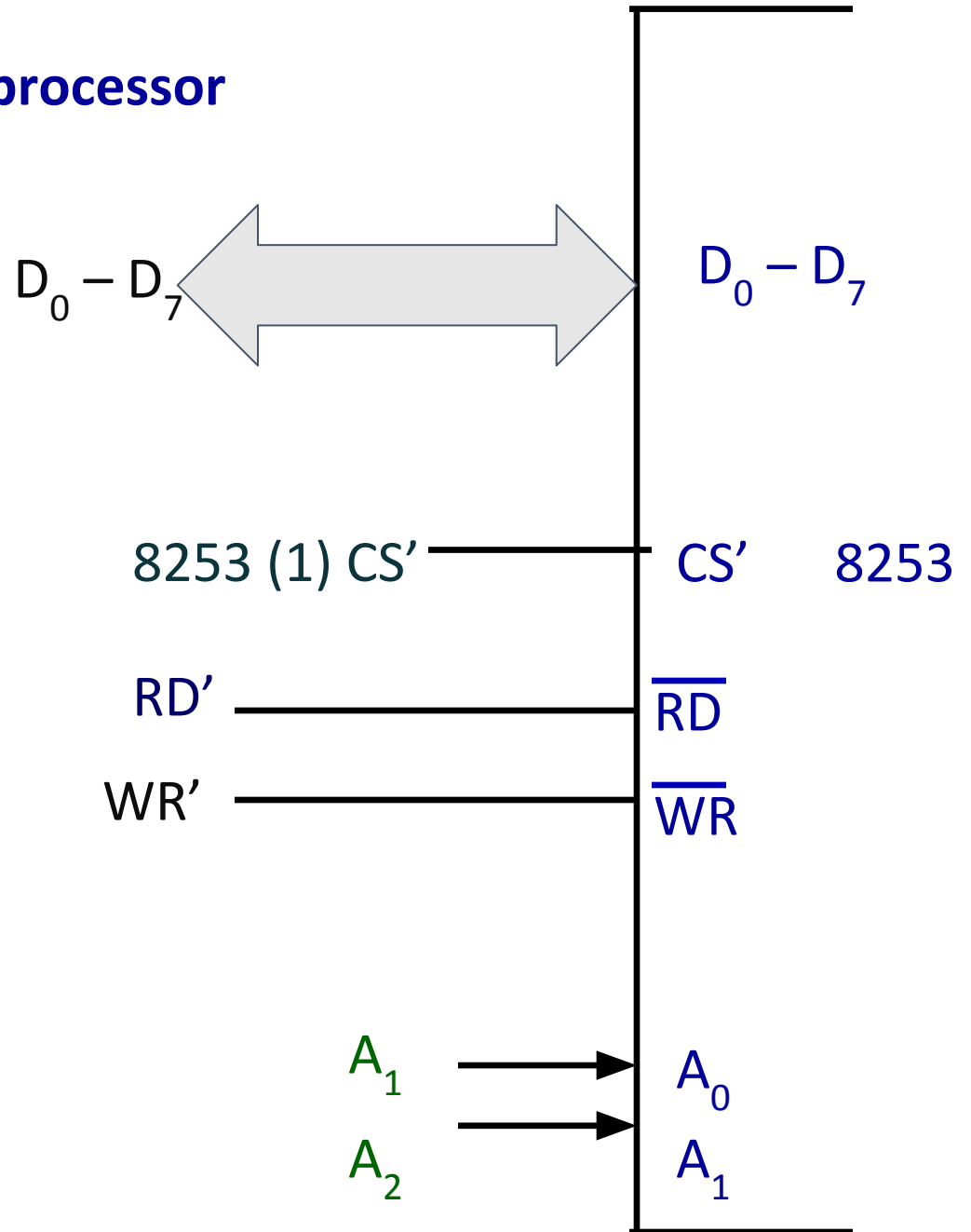
LOAD

START

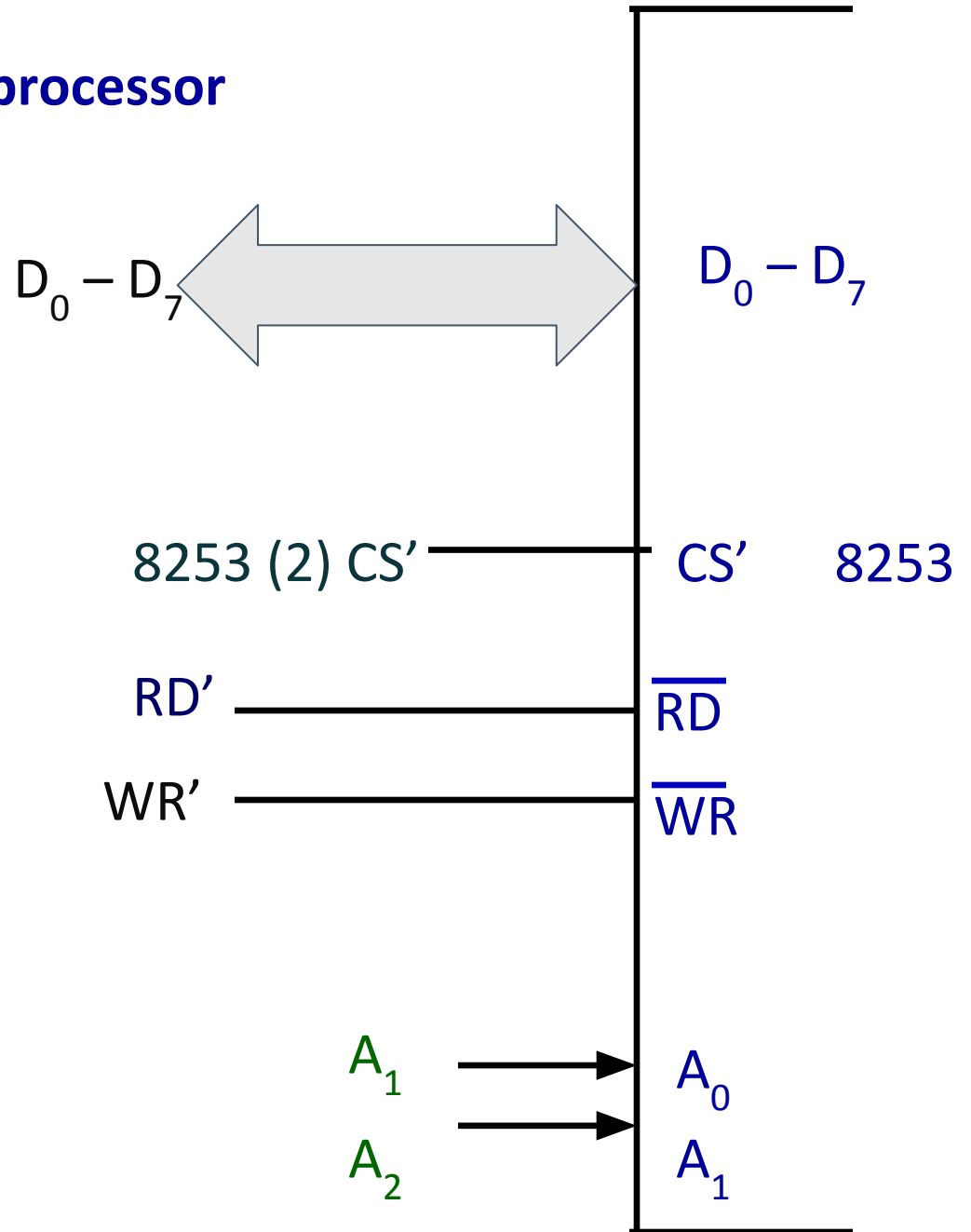
STOP EN

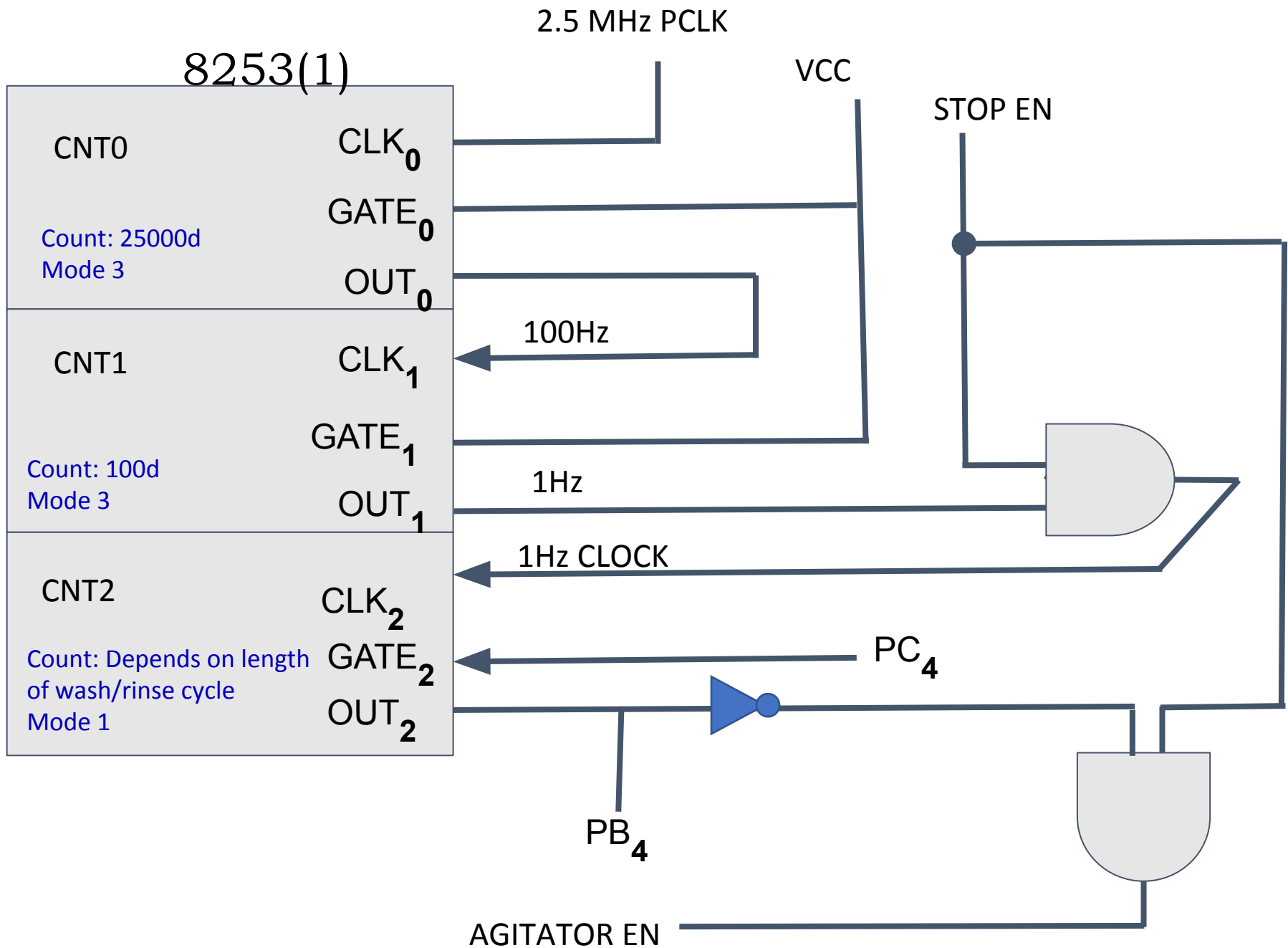


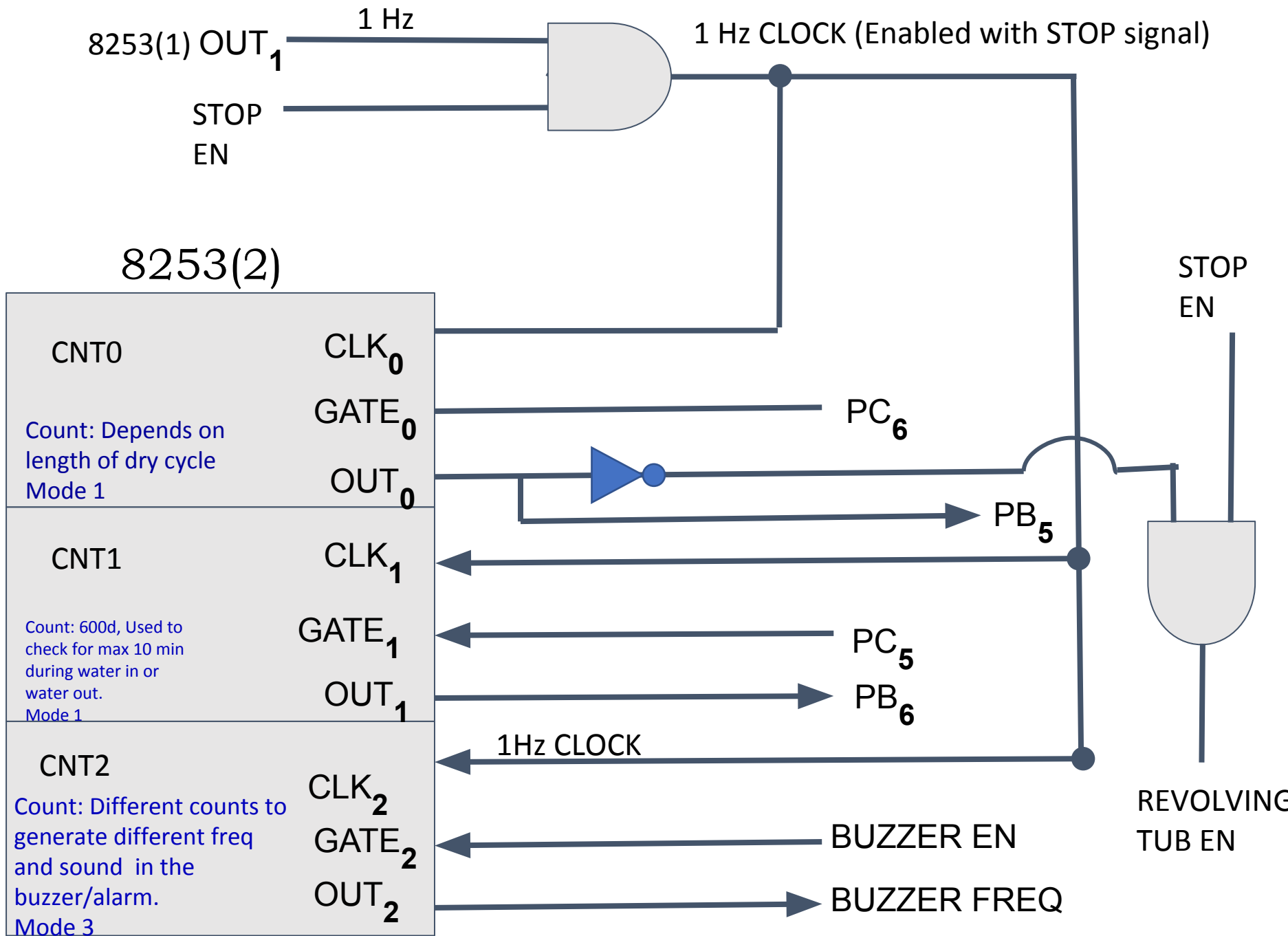
8253 (1) Interface to the processor

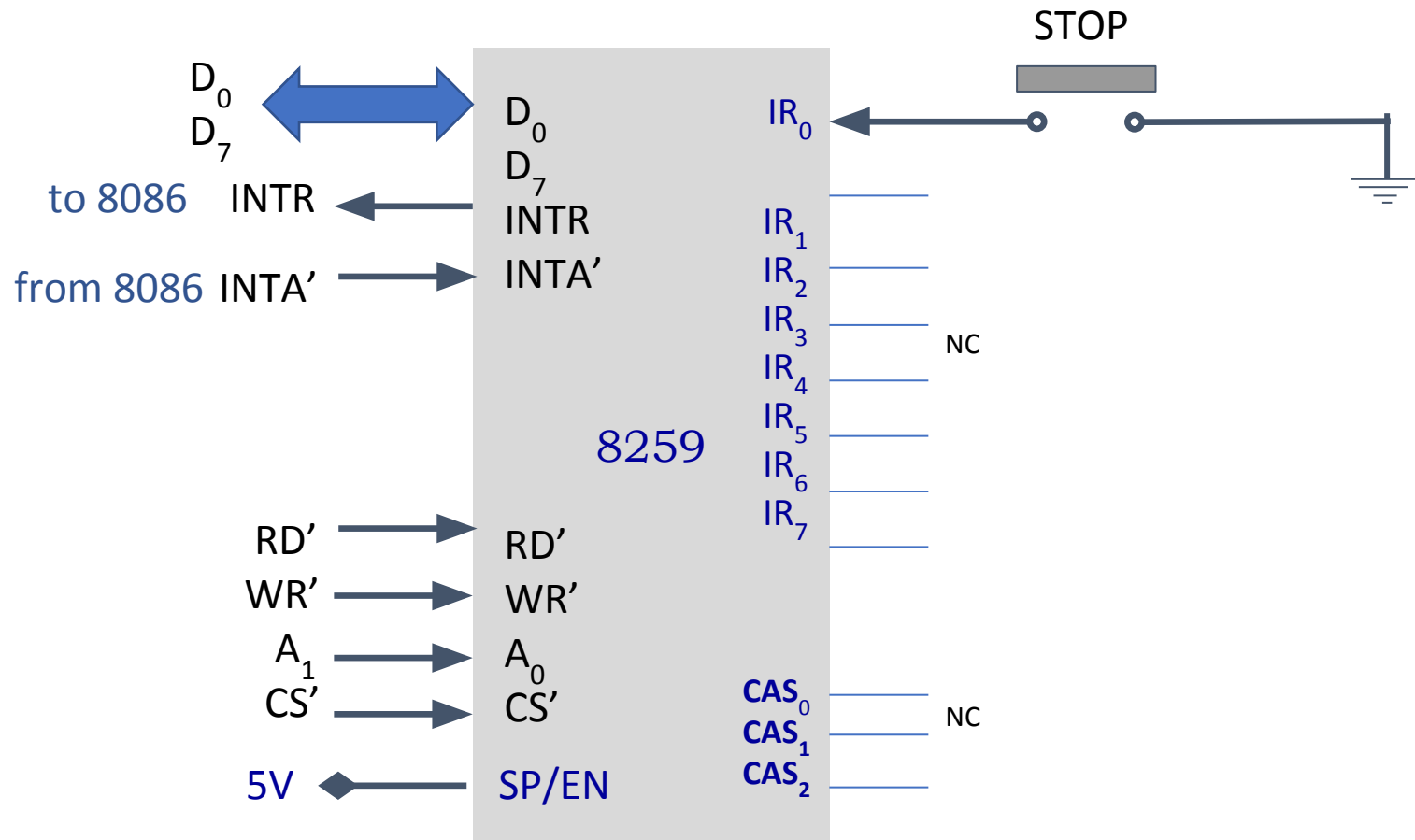


8253 (2) Interface to the processor

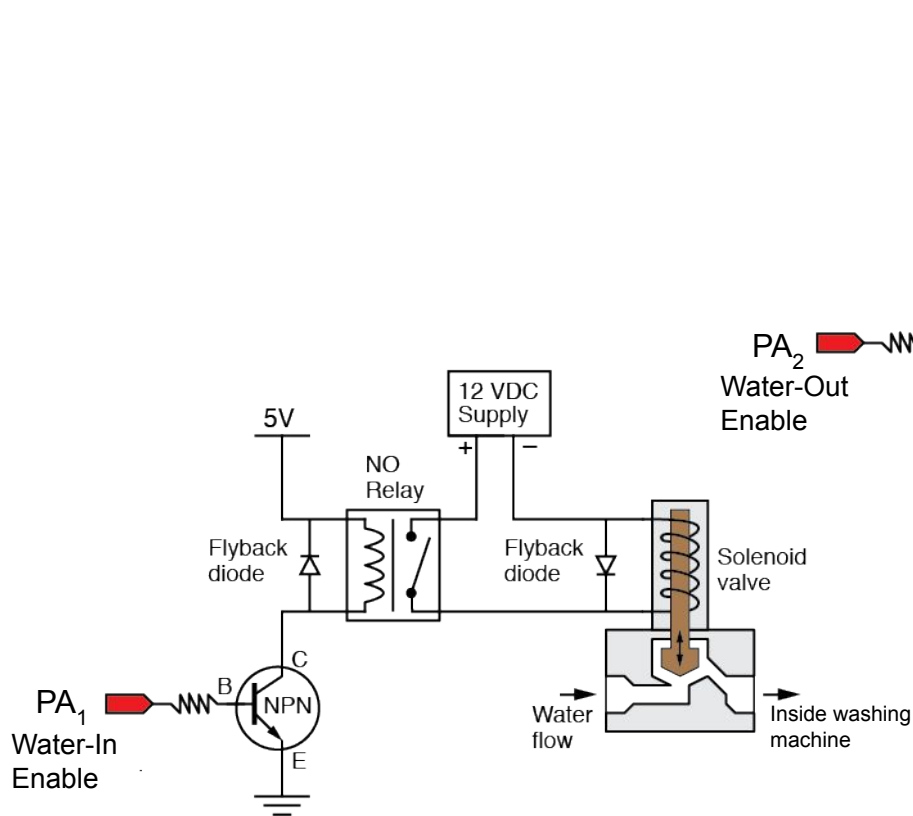




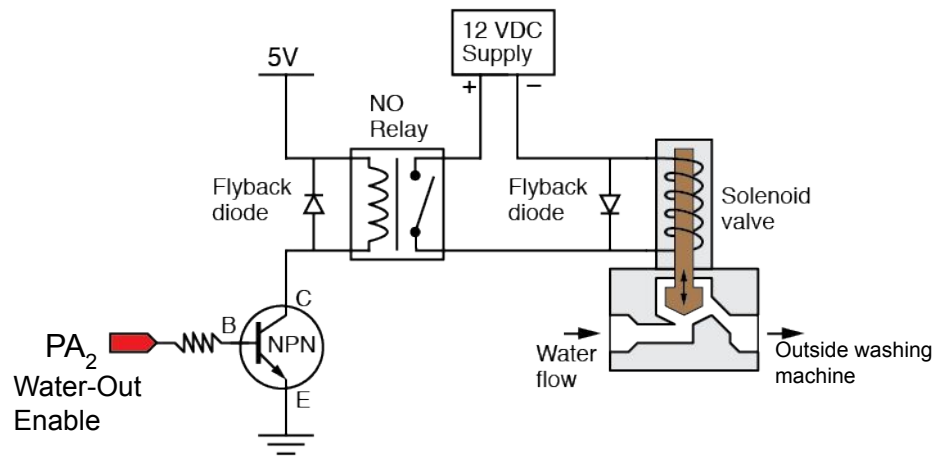




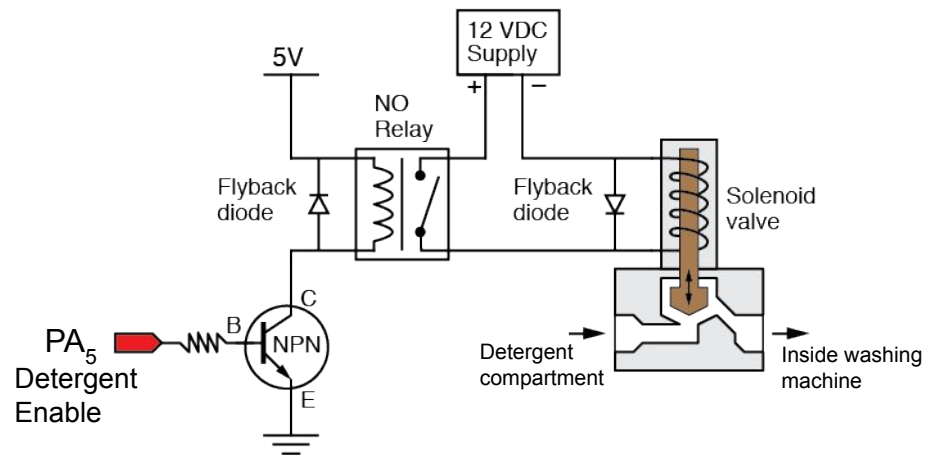
8259



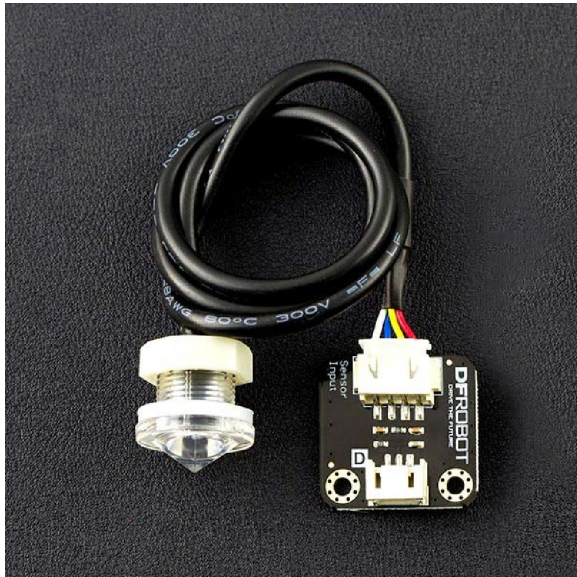
Water In Relay



Water Out Relay

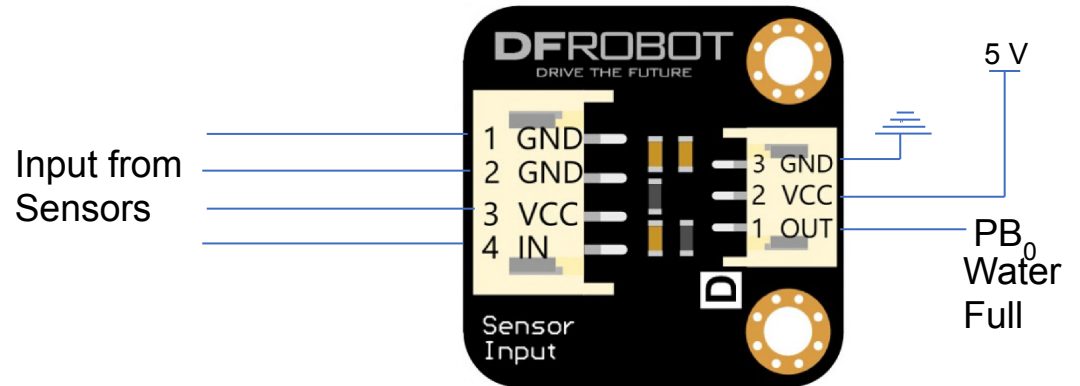


Detergent Relay

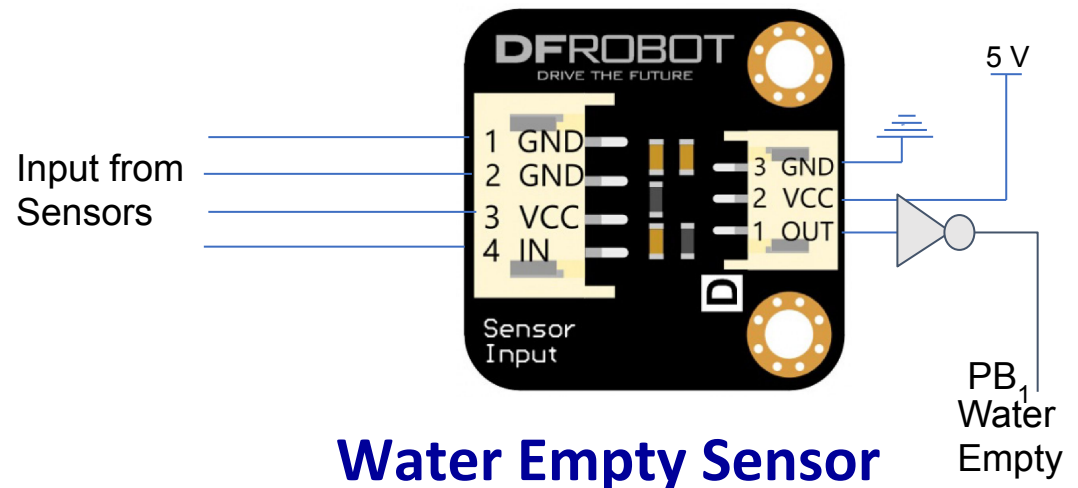


Water Sensor- FS IR02

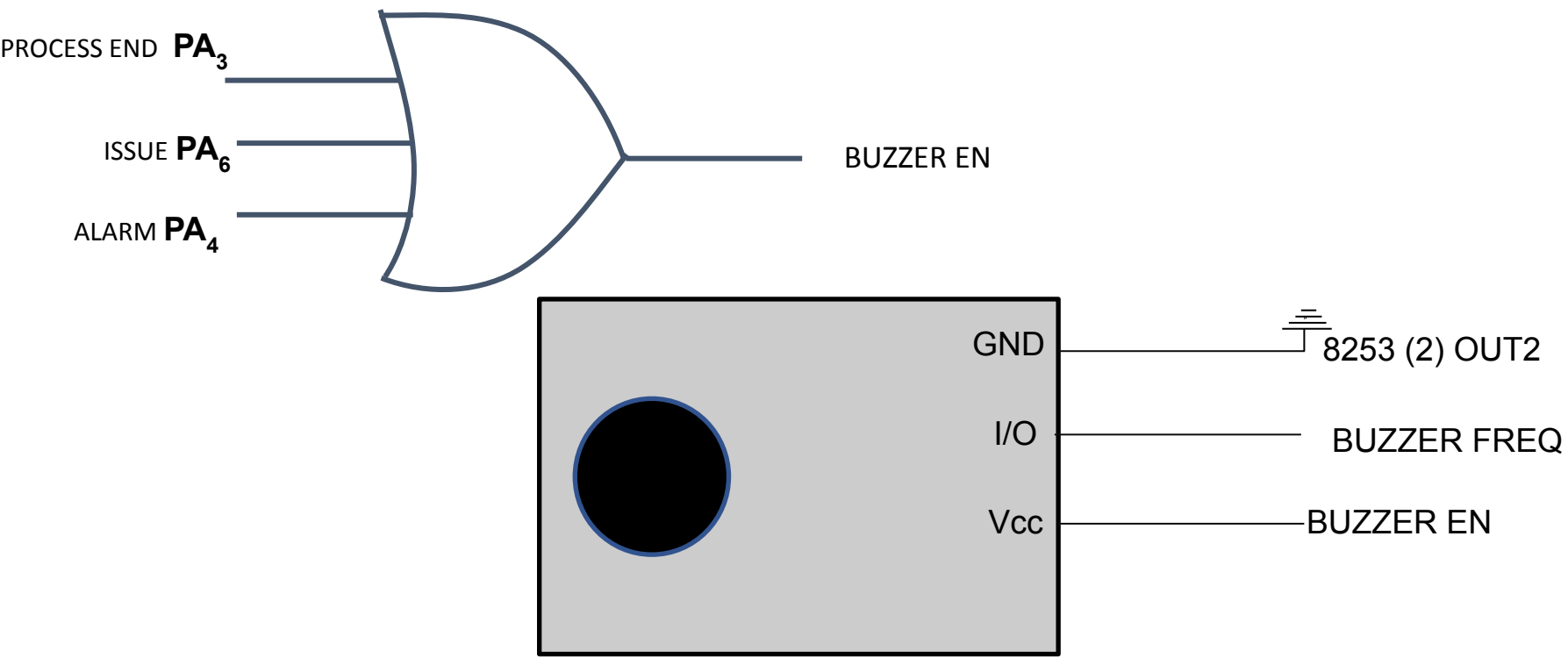
FS IR02 Converter Board



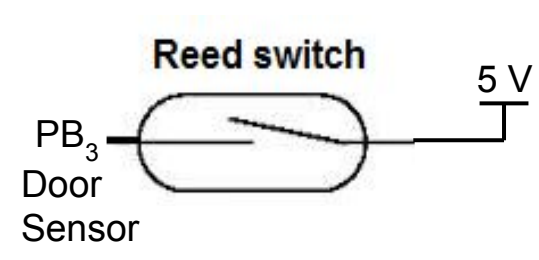
Water Full Sensor



Water Empty Sensor



Buzzer- RKI 4706

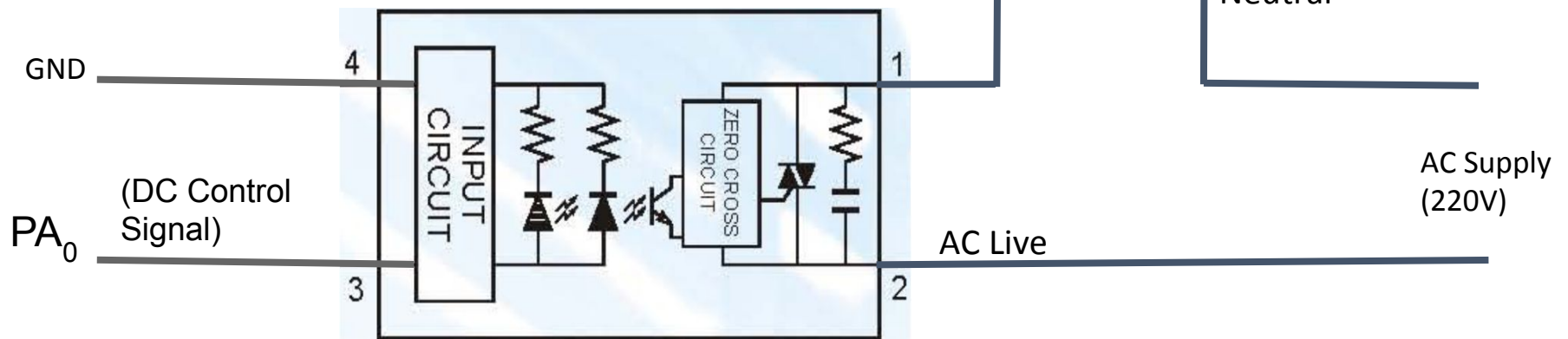


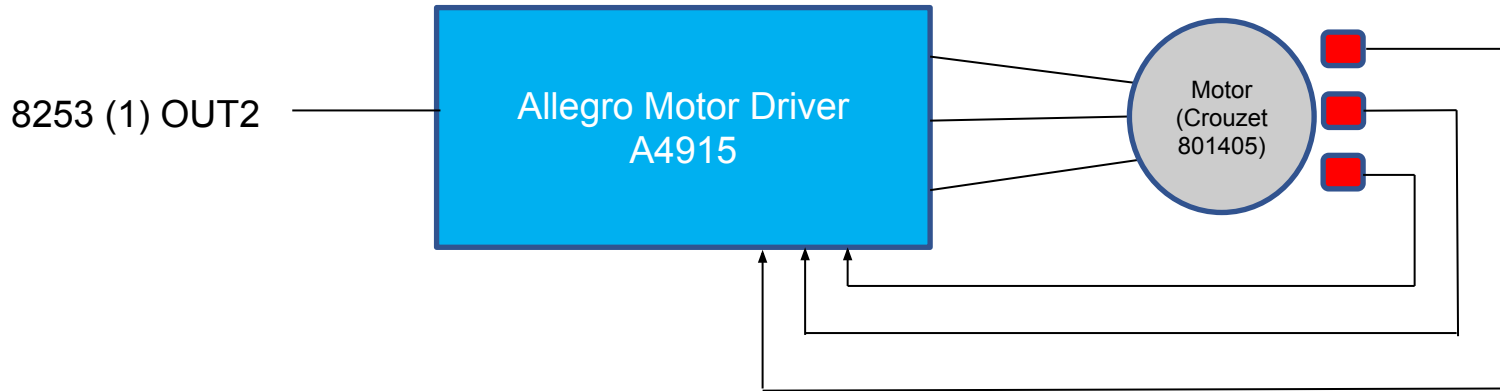
Door Sensor

Latch for Lock

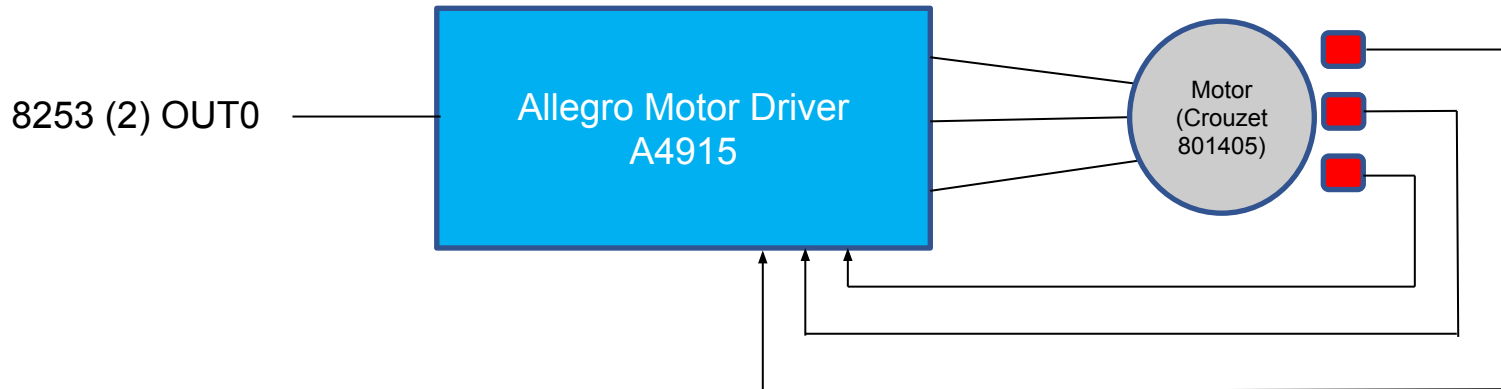
Bi-metal Door Interlock

Solid State Relay Used:
FOTEK SSR 40da





Agitator



Revolving Tub