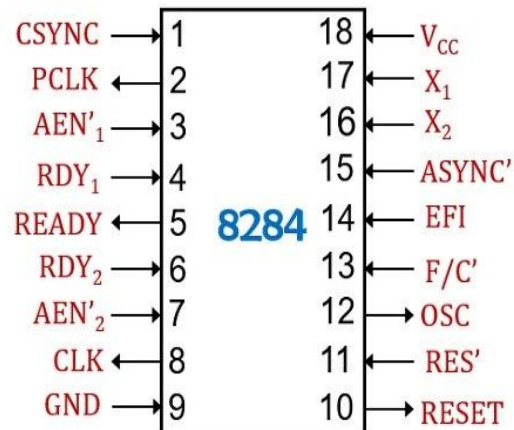


HARDWARE DESIGN

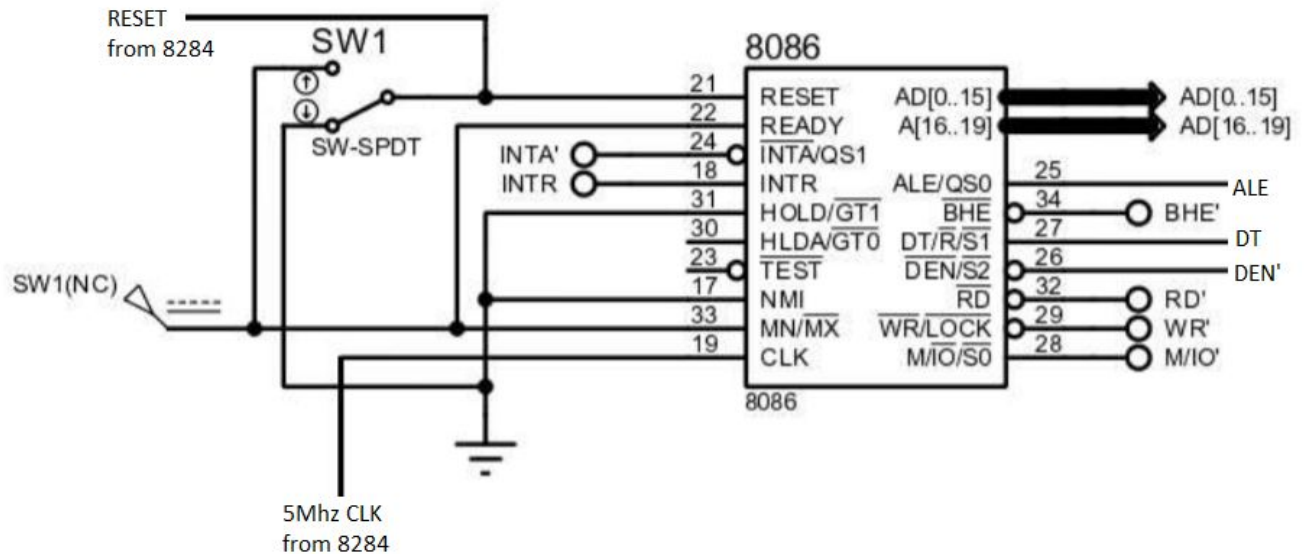
8284 Pin Diagram:

Pin Description of 8284

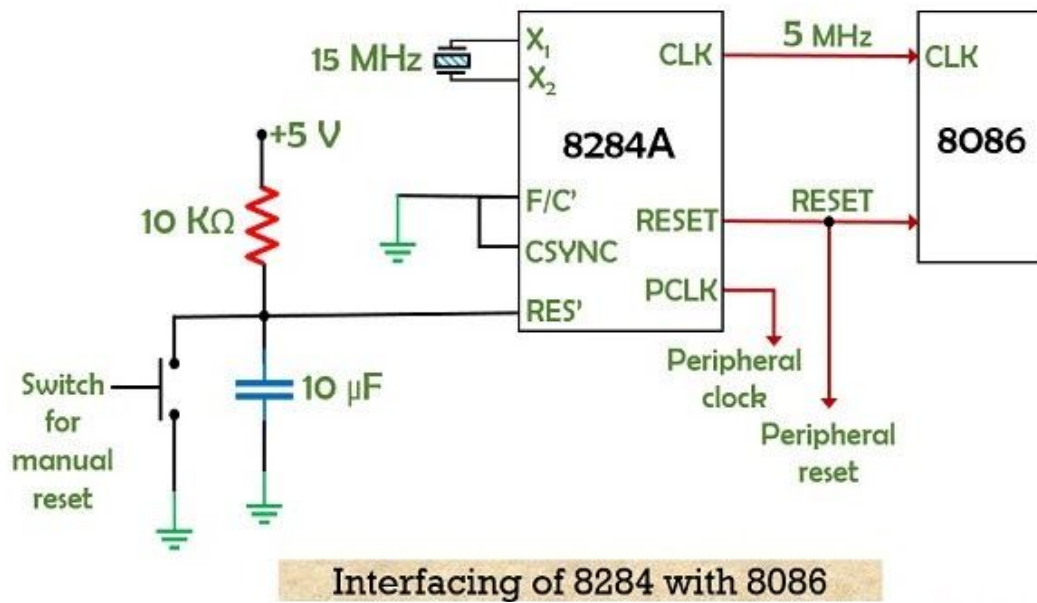


Pin Configuration of 8284

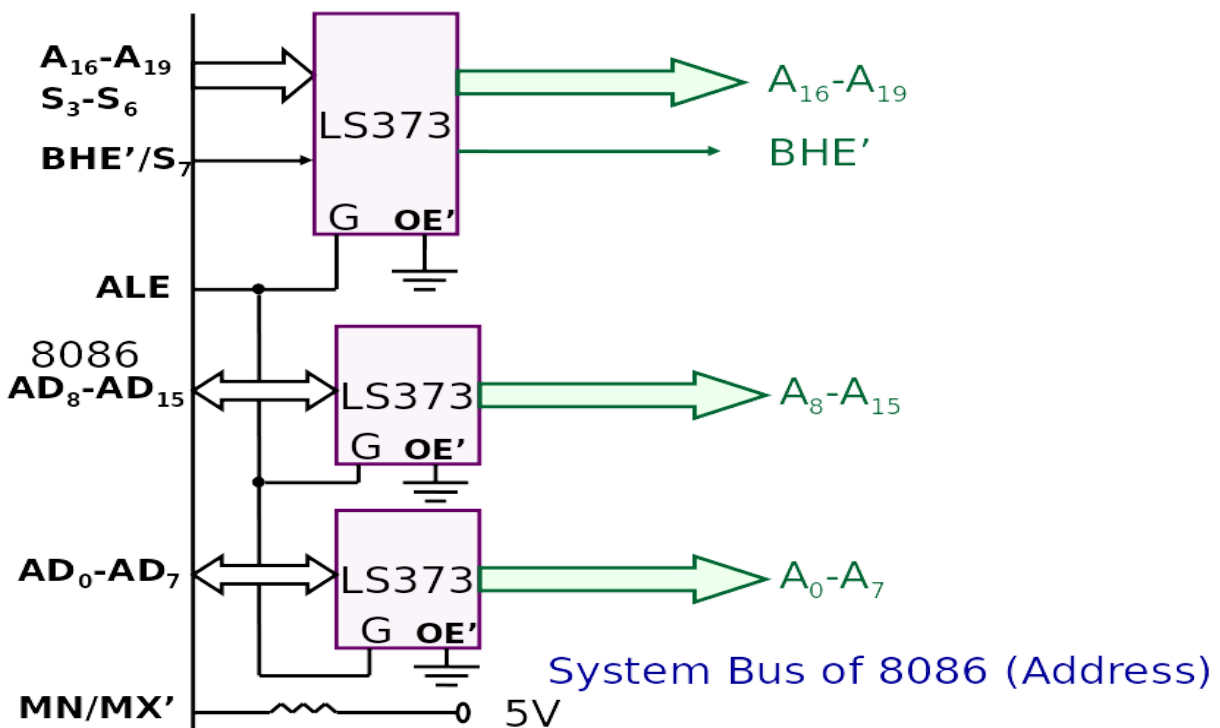
8086:



8284 interfacing with 8086:

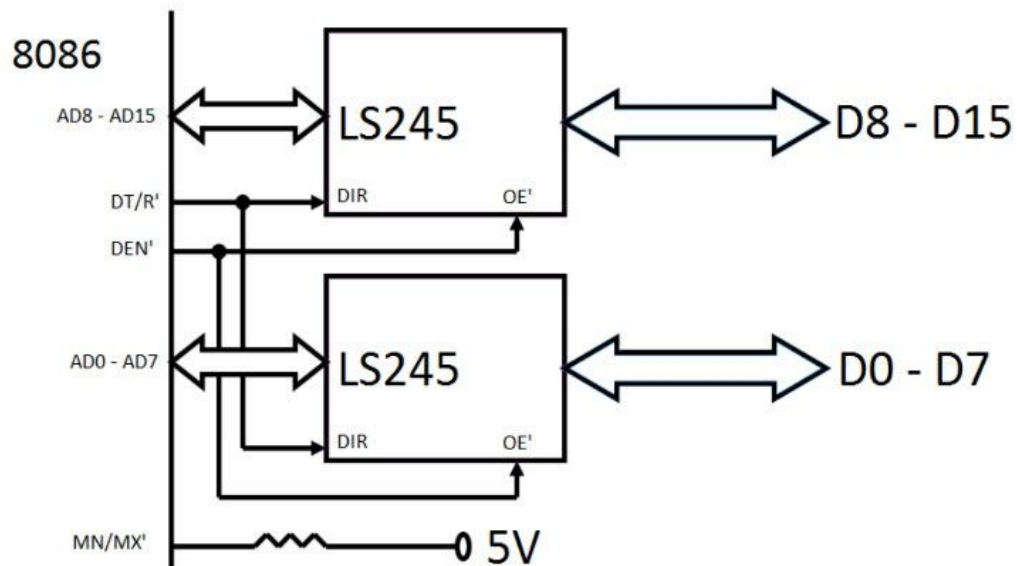


System Bus (Address):

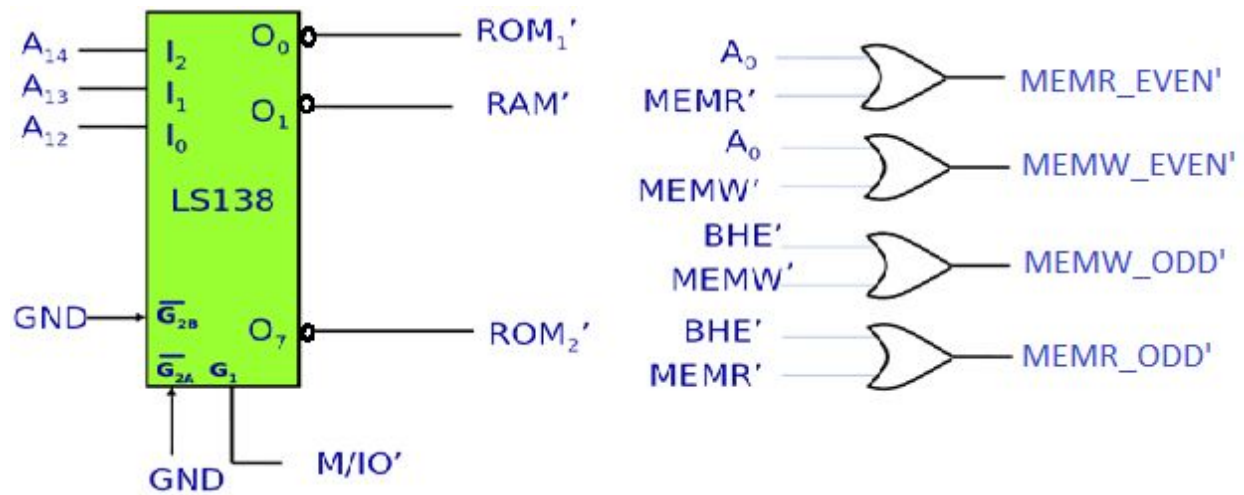


Control signals:

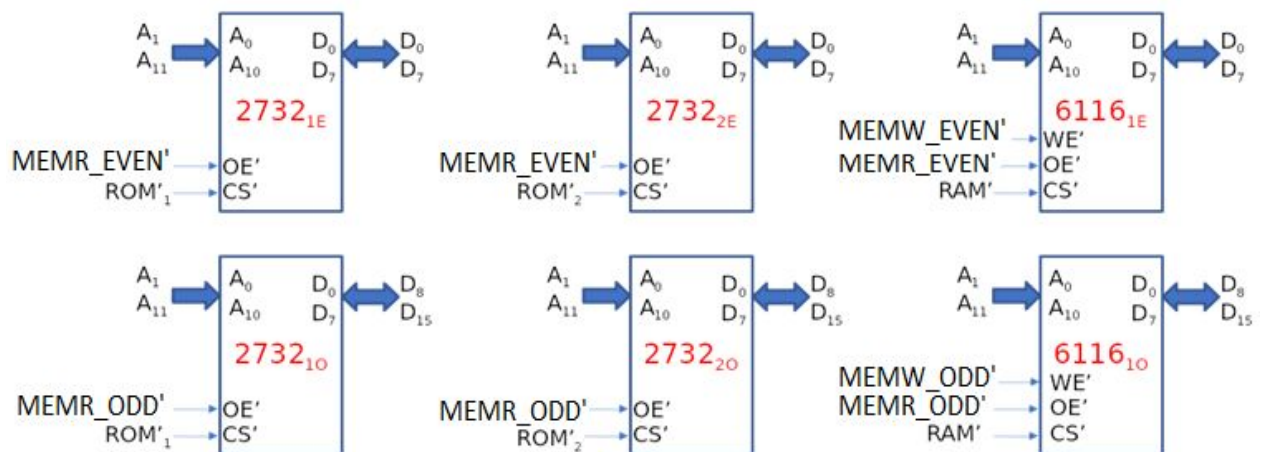
M/IO'	RD'	WR'	Bus cycle
1	0	1	$MEMR'$
1	1	0	$MEMW'$
0	0	1	IOR'
0	1	0	IOW'

System Bus (Data):

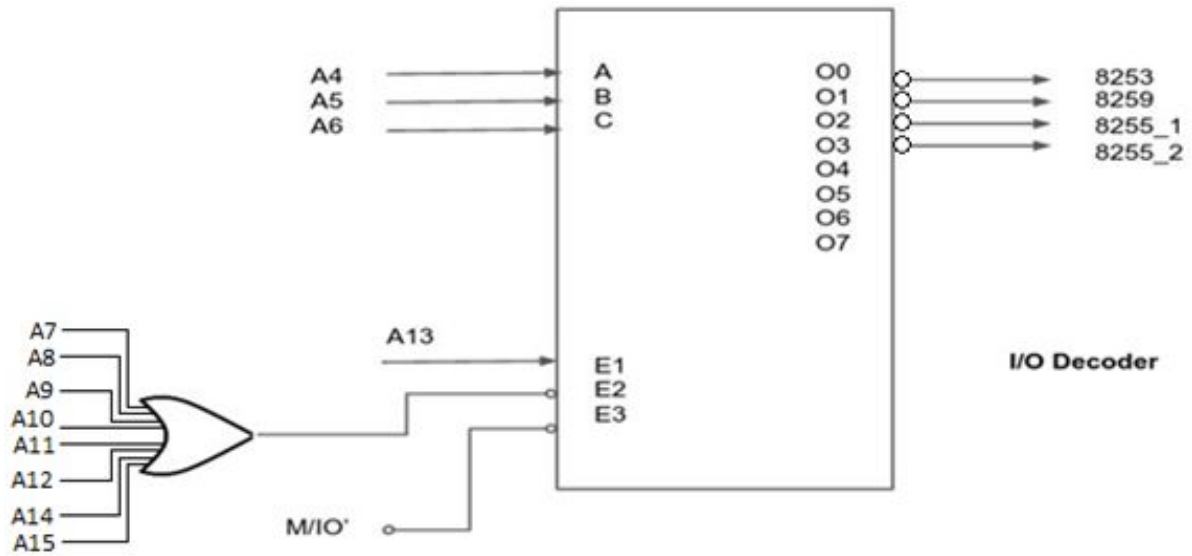
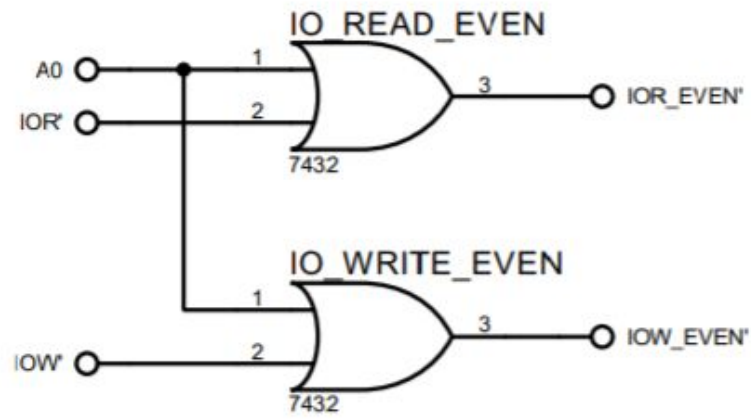
Memory Decoder:



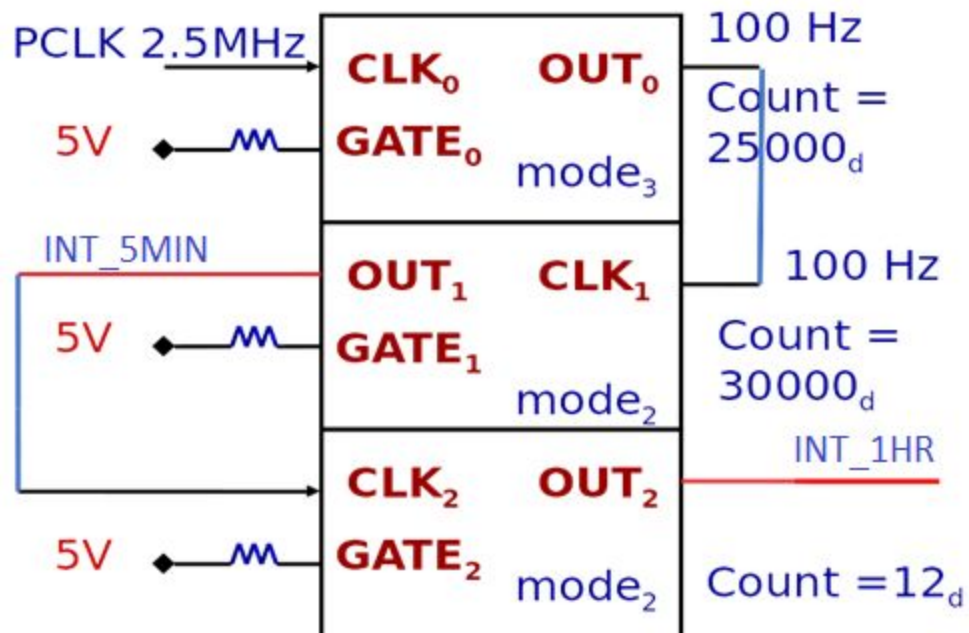
Memory Interfacing:



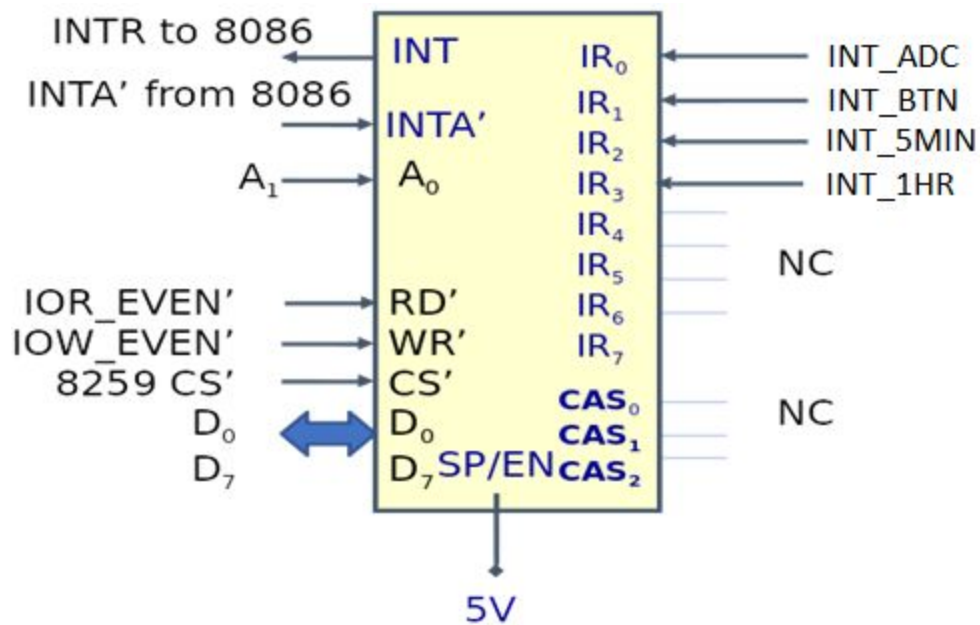
IO Decoder:



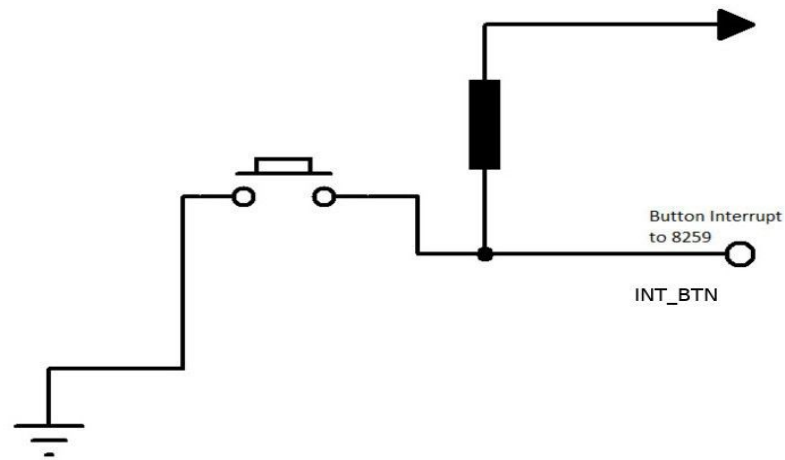
8253A:



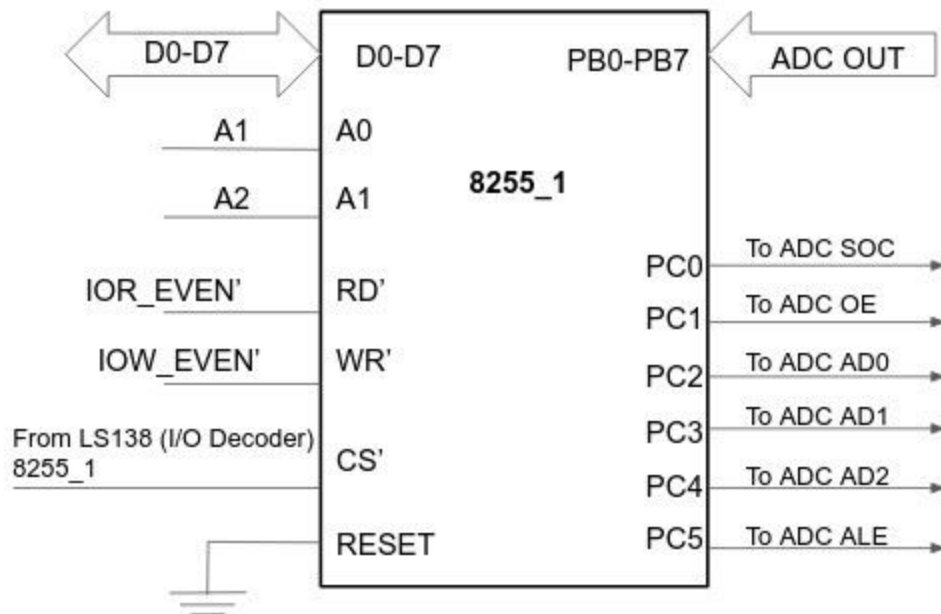
8259:



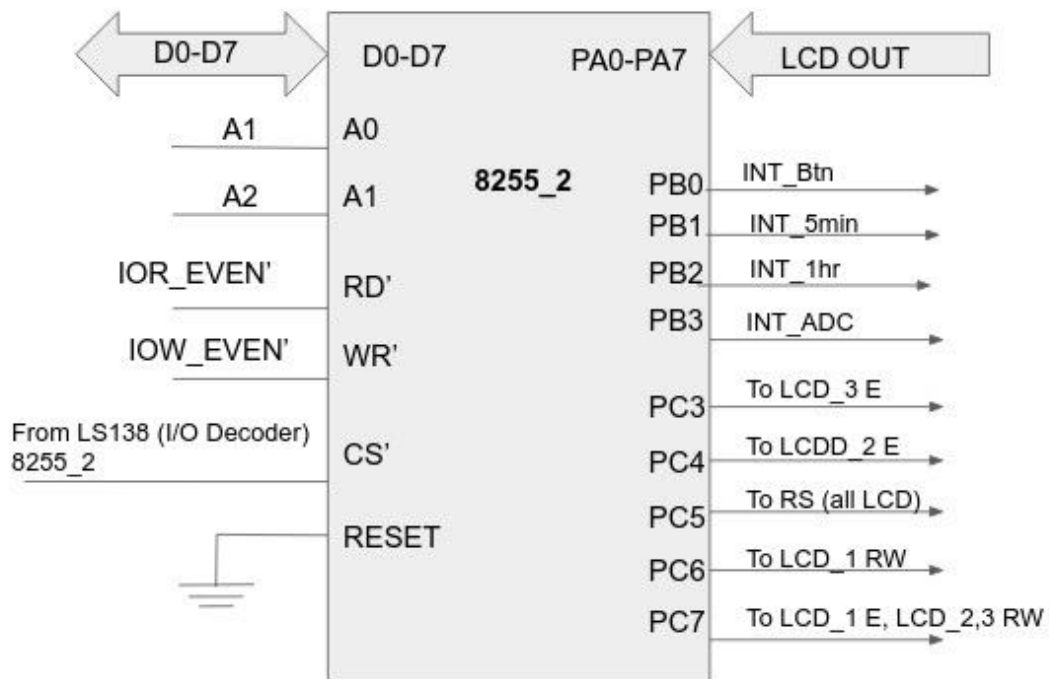
External Button:



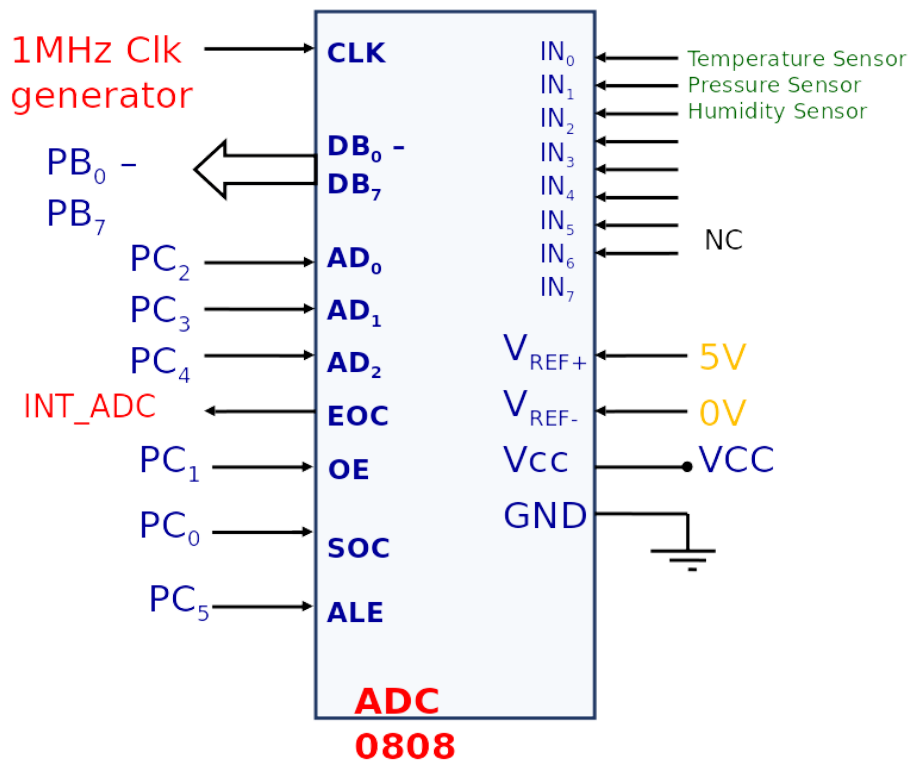
8255 interface with ADC:

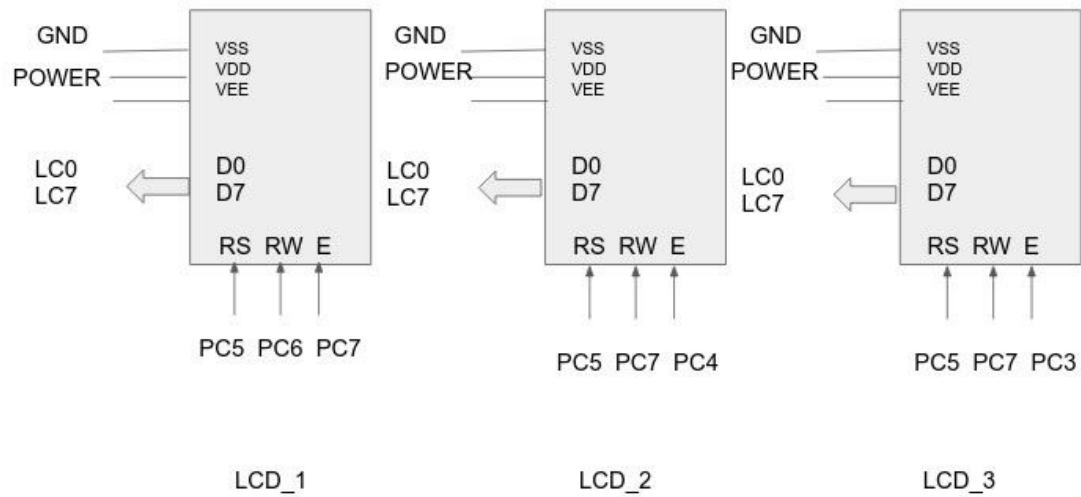
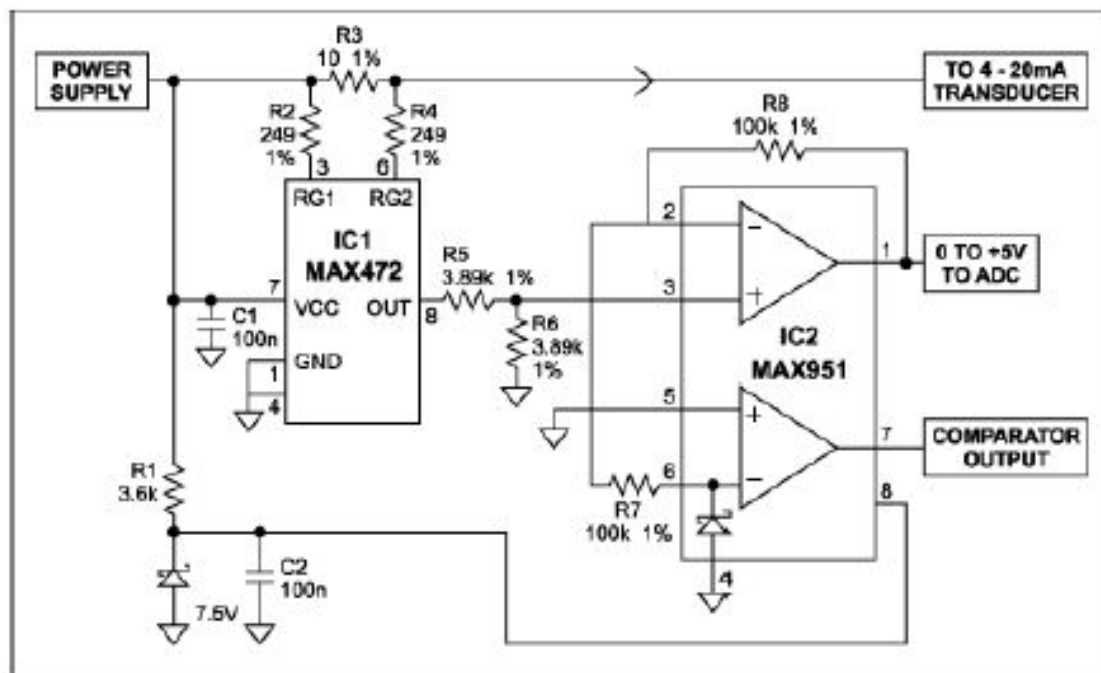


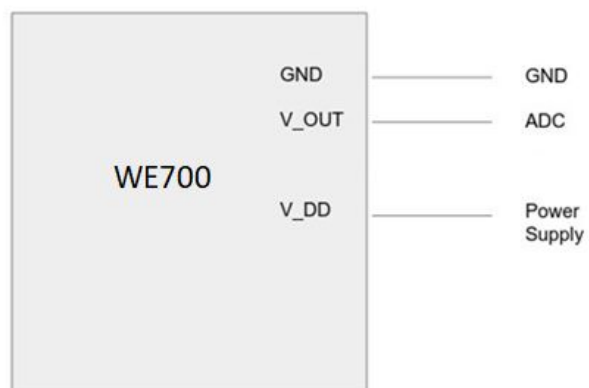
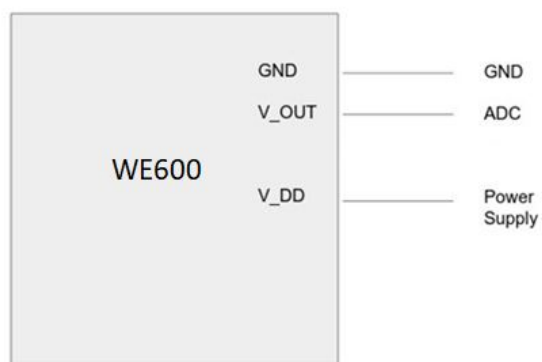
8255 interface with LCD:



ADC 0808:



LCD:**Current to voltage converter:**

Temperature Sensor:**Humidity Sensor:****Air Pressure Sensor:**