

Section - 6

Q2 Draw the Pin diagram of 8255 microprocessor. Write the difference between microprocessor and microcontroller!

AM172

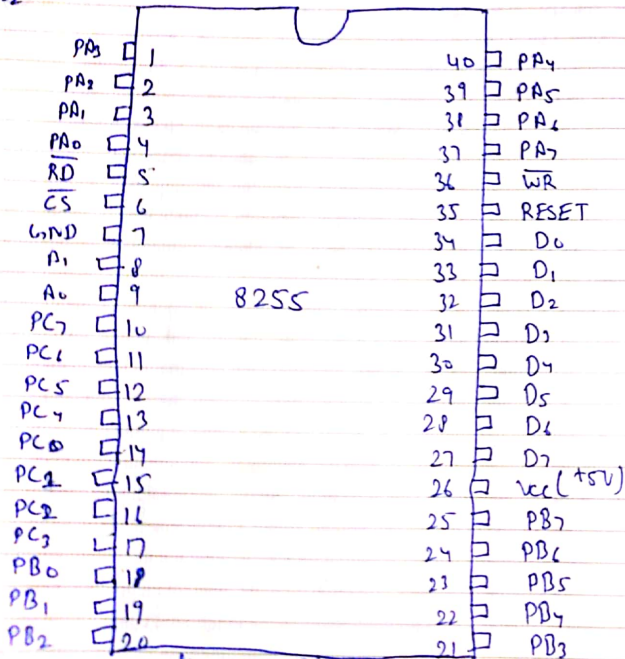


fig 1.1 Pin Diagram of 8255

Microprocessor	Micro Controller
1. Microprocessor is head of computer system.	Micro Controller is a head of embedded system.
2. It is just a processor. Memory & I/O components have to be connected externally.	Micro Controller has external processor along with internal memory & I/O components.
3. Since Memory & I/O has to be connected externally, the circuit becomes large.	Since memory & I/O are present internally, the circuit is small.
4. Cannot be used in compact system the hence inefficient.	Can be used in compact system and hence it is an efficient technique.
5. Cost of the entire system increase.	Cost of the entire system is low.
6. Mainly used in personal computers.	used mainly in washing machine, MP3 players.