



TITLE:

How to connect EM57000 with MPU type interface

REVISED DATE	: 20, NOV, 1998
REVISED VERSION	: 1.0
APPLY TO CHIPS	: EM57000 Series Chip
APPLY TO SOFTWARE	: ALL EM57000 series coding system above version 2.1

SEE ALSO:

EM57000 series can connect with MCU. There are two topic we will discuss :

- A : MCU send data to EM57000 series.
- B : EM57000 series send data to MCU.

1. When MCU send data to EM57000 series :

Here we assume only 1 bit data (it's the same concept for multi-bits data transit) will be sent to EM57000 series at a time, thus there are two pins between MCU and EM57000 series and they are DATA and CLOCK pins. For EM57000 series we should assign two pins as input pins to accept DATA an CLOCK signal:

NOTE 1 : Port 1, 2, and 3 all can be used as input pins, thus all of them are the candidate for DATA and CLOCK pins.

NOTE 2 : Normally we will send data signal first (from DATA pin of MCU) to EM57000 series and while the data is valid we send CLOCK signal (from CLOCK pin of MCU) to EM57000 series. While CLOCK signal is valid, EM57000 will read data from DATA pin.

NOTE 3 : If MCU will send data/clock signal to EM57000 series at any time, no matter EM57000 series is in work or is in power down mode, we coul.

A : We should select those pins who can wake EM57000 series