

PROJECT:8086 SYSTEM BOARD

The board contains following components:

1. 32 Kbyte RAM
2. 32 Kbyte EEPROM
3. Two Programmable Parallel Port
4. Two Programmable Timer
5. One Serial Port Controller
6. One Programmable Priority Interrupt Controller

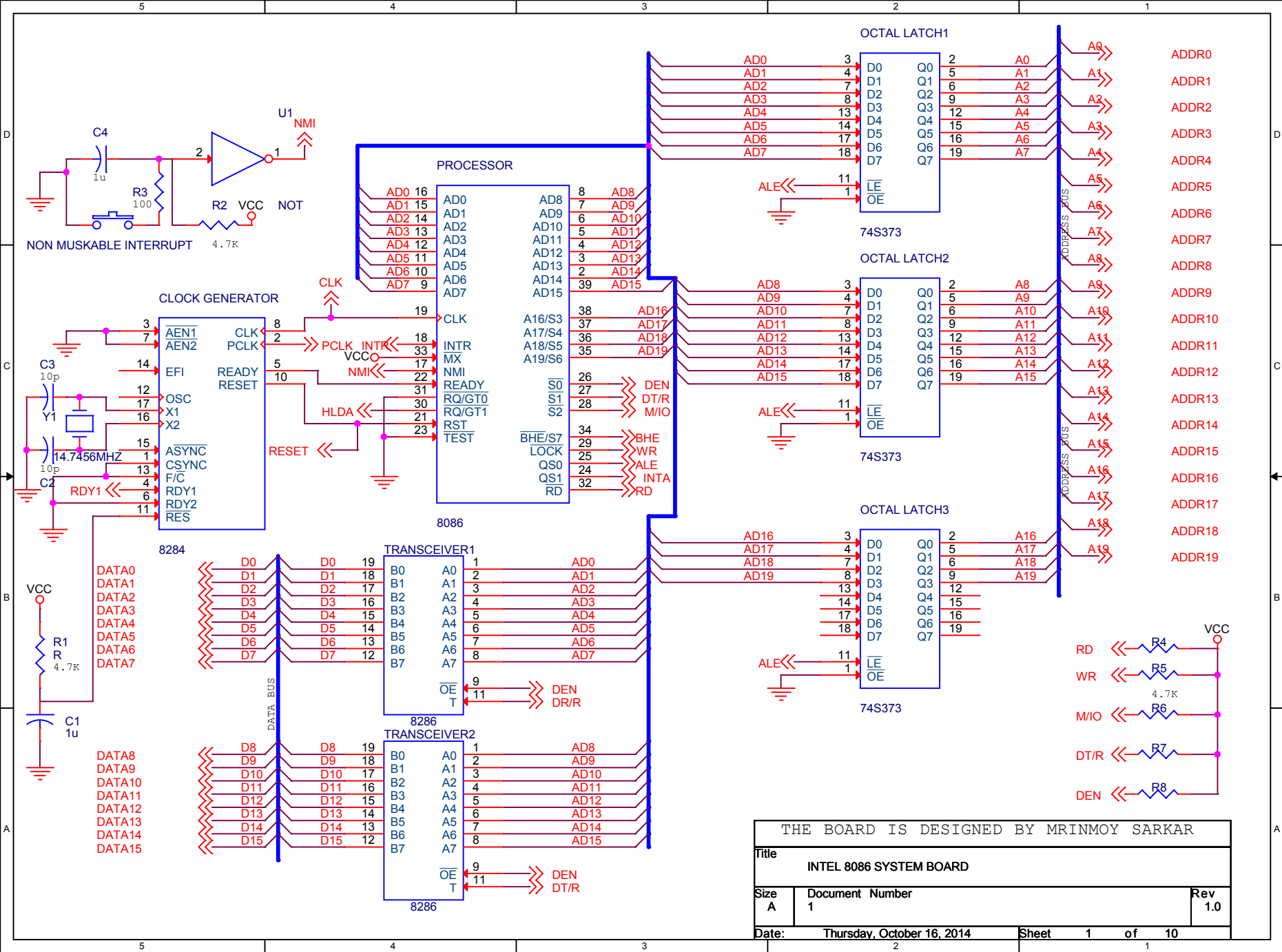
All the parts Number used in this project:

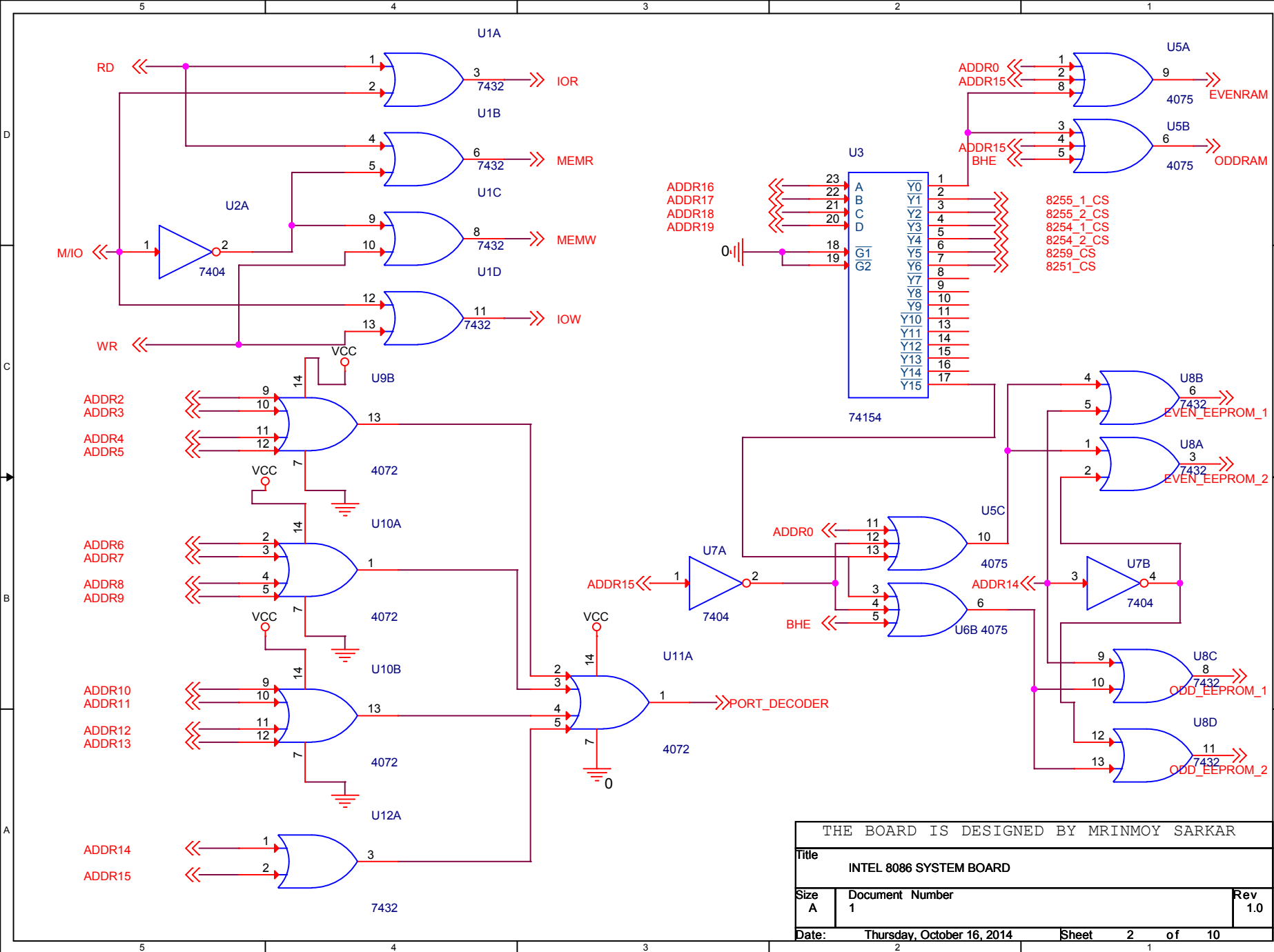
1. Intel 8086(processor)
2. 8284 (clock generator)
3. 74S373(octal latch)
4. 8286(transceiver)
5. 7404(not gate)
6. 4072,4075,7432(or gate)
7. 74154(decoder)
8. 74LS251(mux)
9. 74LS164(parallel out serial shift register)
10. 74LS 10(NAND gate)
11. 2864(EEPROM)
12. CY7C006(RAM)
13. 8255(programmable port)
14. 8254(Programmable Timer)
15. 8251(Serial port)
16. 1488,1489(Voltage level shifter)
17. 74LS393(counter)
18. 8259A (Interrupt controller)

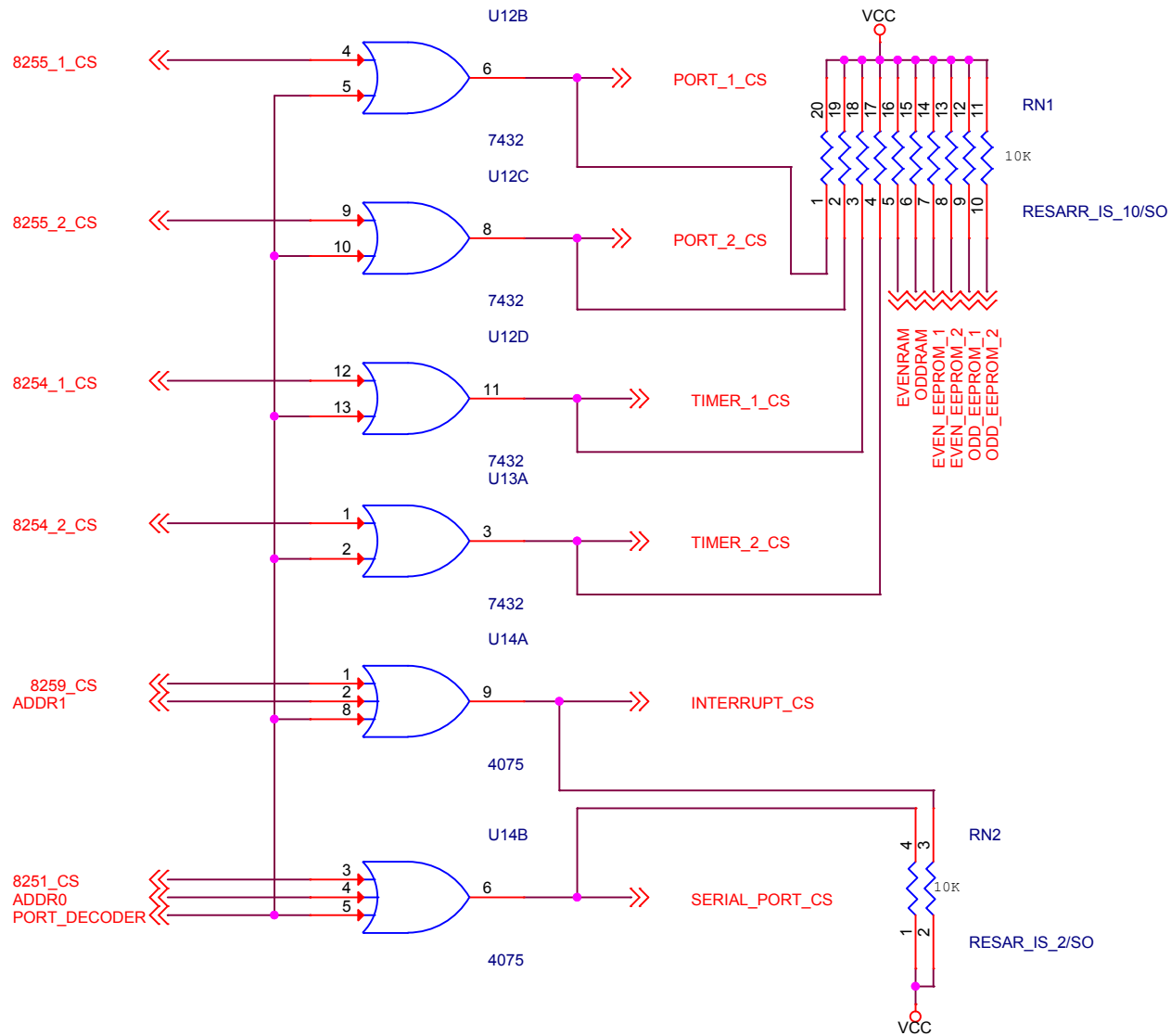
Memory mapping of the system board:

RAM	00000-07FFF
EEPROM	F8000-FFFFF
8255_1	10000-10003
8255_2	20000-20003
8254_1	30000-30003
8254_2	40000-40003
8259_	50000-50001
8251	60000 and 60002

ALL THE VALUES ARE IN HEXADECIMAL

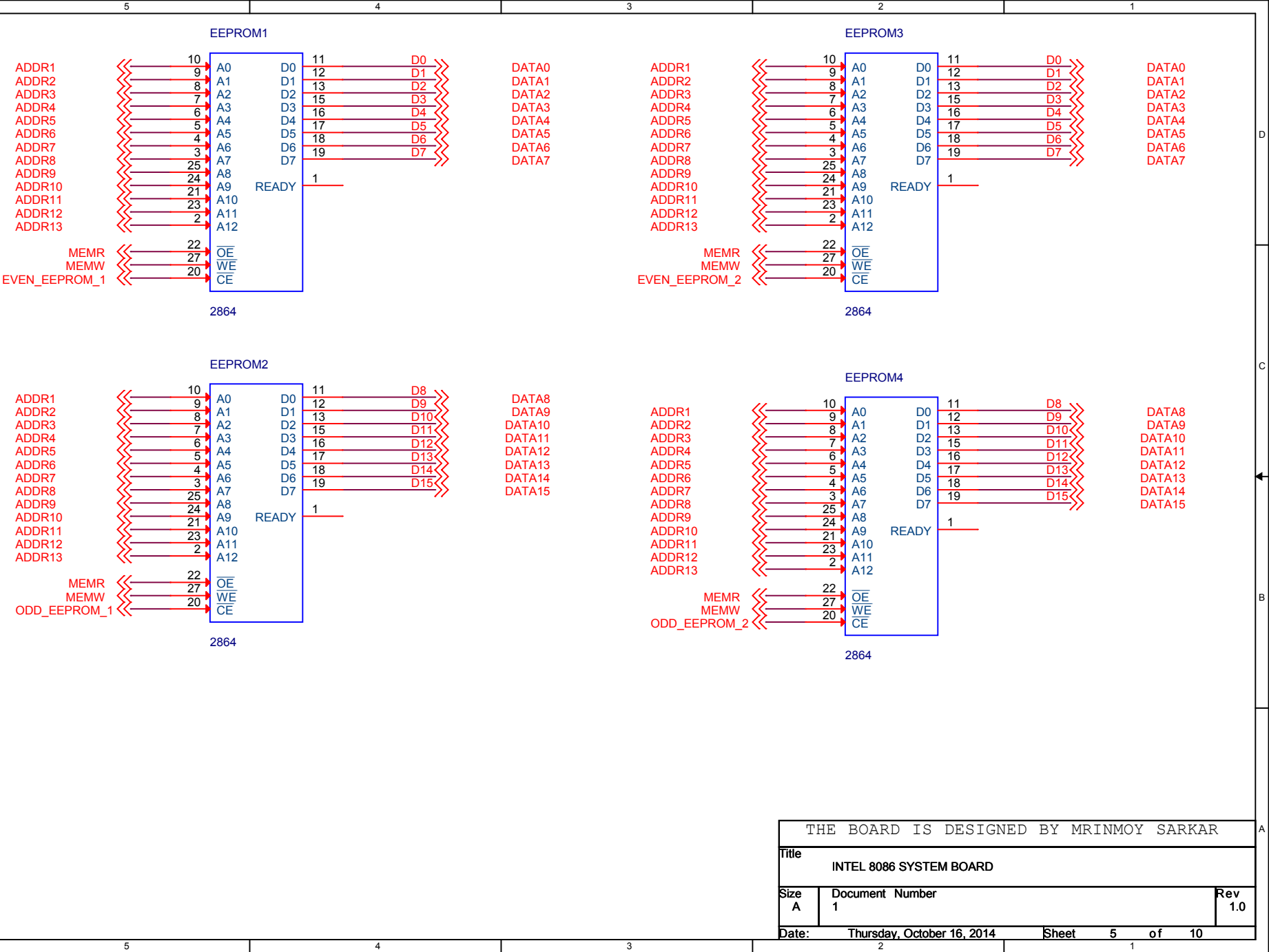




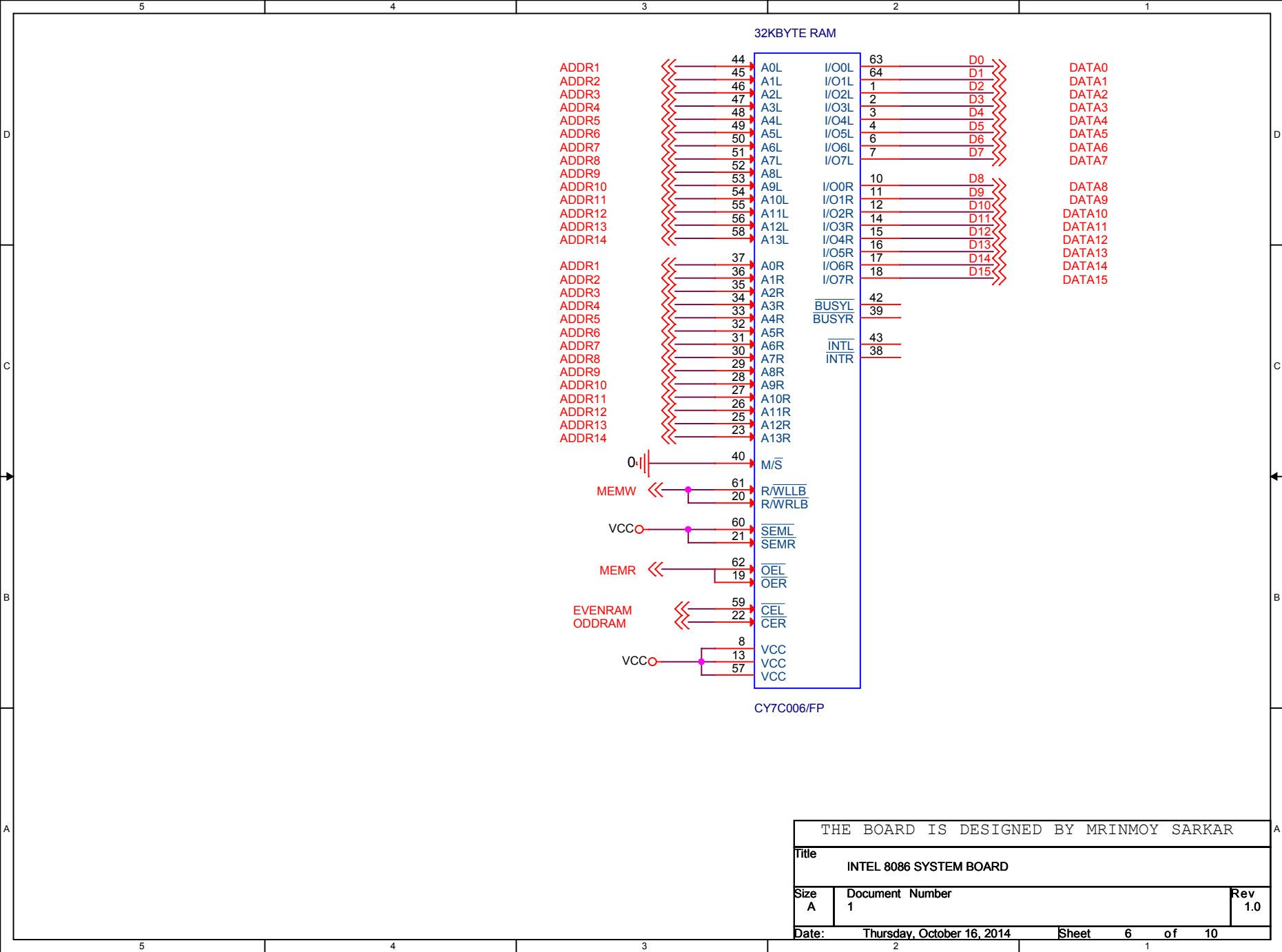


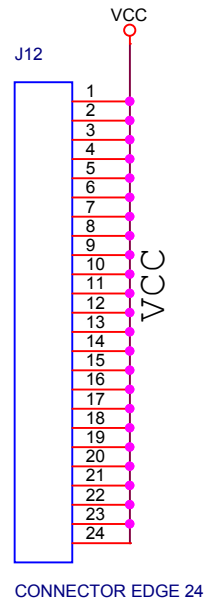
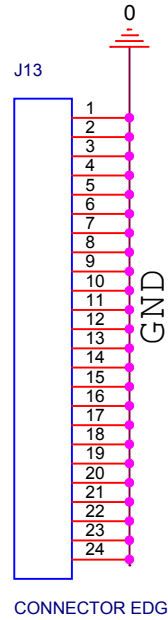
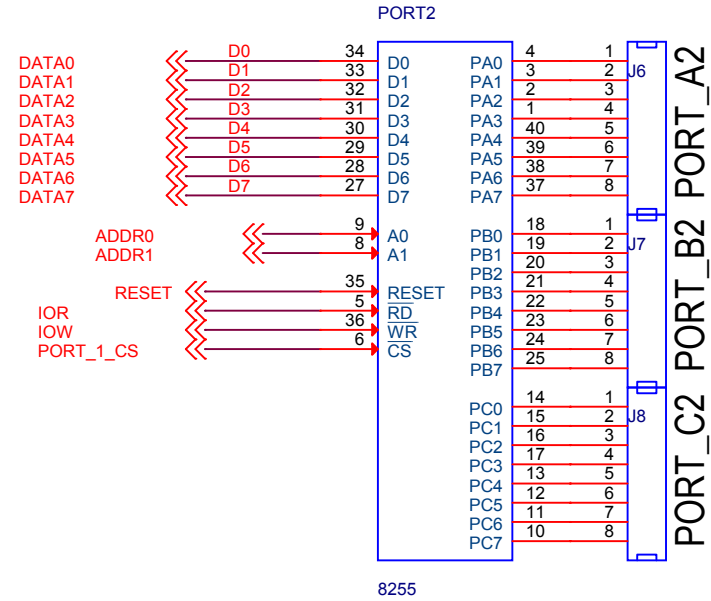
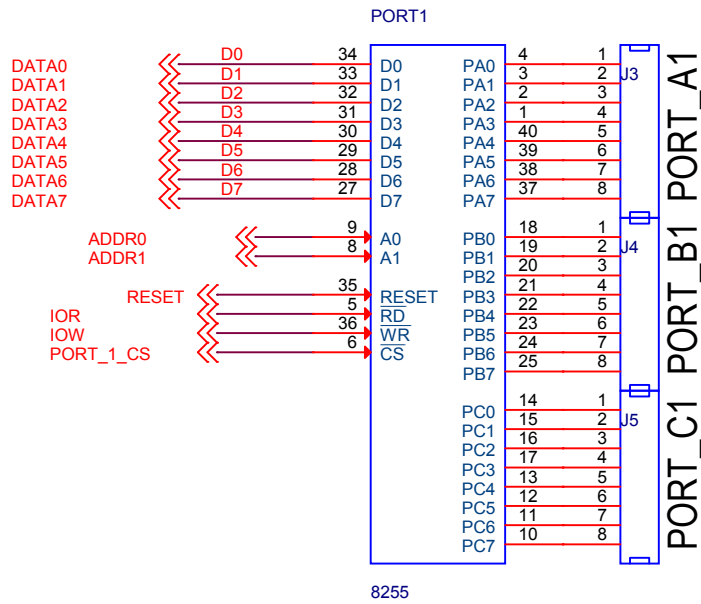
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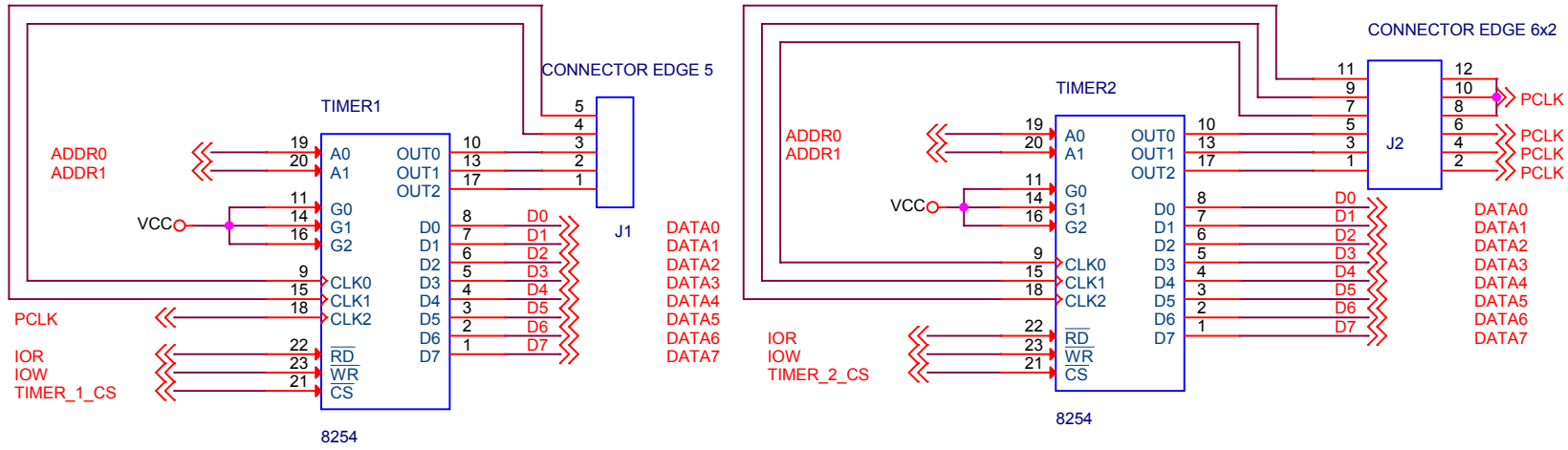


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