Reading Motorola MCM6832 2Kx8 ROMs in Tektronix 4051 ROM Packs.

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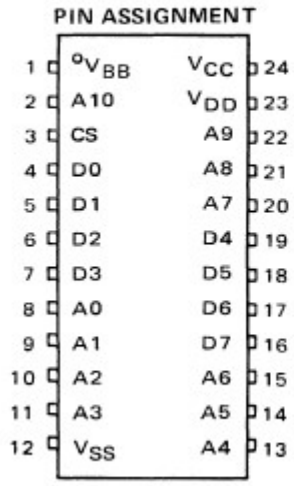
Here is the pinout of the MCM6832 from the MC6800 Microcomputer System Design Manual, similar voltages as Texas Instruments TMS2716 2Kx8 EPROM, but different pinout.

Data I/O Unipak Family/Pinout for TMS2716 is 23/28

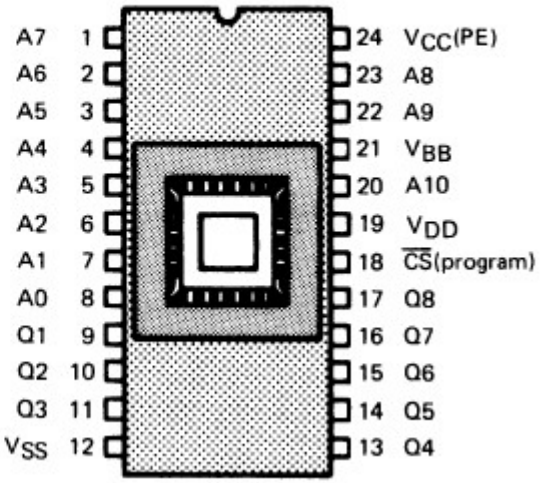
MCM6832 2Kx8 Mask ROM



Vcc = +5V
Vbb= -5V
Vdd= +12V
Vss = GND

Note:
MCM6832 CS is low true in Tek 4051 design

TMS2716 2kx8 EPROM



Use a protoboard:

- Plug MCM6832 into protoboard
- Use table below and jumper MCM6832 pins to DIP socket pin plugged into 24-pin Data I/O ZIF connector
- Set Data I/O 24 pin socket to Family 23, Pinout 28 for TMS2716
- COPY DEVICE to RAM and Verify.
- Then COPY RAM to PORT to transfer data in desired format over serial port to PC.

MCM6832 pin			TMS2716 pin DIP socket pin
1	Vbb	Vbb	**21**
2	A10	A10	**20**
3	CS	CS	**18**
4	D0	Q1	**9**
5	D1	Q2	**10**
6	D2	Q3	**11**
7	D3	Q4	**13**
8	A0	A0	**8**
9	A1	A1	**7**
10	A2	A2	**6**
11	A3	A3	**5**
12	Vss	Vss	**12**
24	Vcc	Vcc	**24**
23	Vdd	Vdd	**19**
22	A9	A9	**22**
21	A8	A8	**23**
20	A7	A7	**1**
19	D4	Q5	**14**
18	D5	Q6	**15**
17	D6	Q7	**16**
16	D7	Q8	**17**
15	A6	A6	**2**
14	A5	A5	**3**
13	A4	A4	**4**