



TABLE 1

U2 part#	type	Pin Numbers	Jumpers
62256	32K RAM	A14 A23 A26 A27	P2 P3
6264	8K RAM	A11 A13 /WE	1-2, 4-5 1-3, 2-4
* 6116	2K RAM	A11 VDD /WE VDD	3-4 1-3, 2-4
27256	32K EPROM	VDD A11 A13 A14	2-3, 4-5 1-3, 4-6
27128	16K EPROM	VDD A11 A13 VDD	2-3, 4-5 1-3, 4-5
2764	8K EPROM	VDD A11 NC VDD	2-3 1-3, 4-5
* 2732	4K EPROM	A11 VDD	3-4 1-3
* 2716	2K EPROM	VDD VDD	3-4 3-5

Notes:
 For PC Parallel Port, set S0-7 & S9-11 UP, S8 DOWN.
 Rev.B: Add Q1 to set U2 /CE=0 when TPB=1 & A15=0.
 R8-10 was 100K, now 470K. Add RUN on P4-2.
 Add C6=82pF. Add feedthru "O" (drill for 1804 to open VCC). I/O port was 5 or 7, now 4-7.
 Rev.C: R4, 8-10 was 470K, now 499K. C6 was 82pF, now 100pF.
 Rev.D: R2 was 15K, now 6.8K. Add R14 for RS-232 input. Add D12. Add J2 signal names. Swap P1-J1 designators. Add jumpers A/B, Q0-Q3 for 8 outputs on J2.
 Add N0-N2 & Q1 options to stack 2 Membership Cards w/o memory or I/O conflict.
 Rev.E: Add room for larger C5 (up to 0.22F).
 Rev.F: Remove R2 (R1 now does its job). Replace C1 with 1.8 MHz ceramic resonator.
 Rev.G: Add U8. Change C6 to bypass cap for U8. Add serial I/O to J2 using Q and EF3.
 D8 is red for Q=1 (TXD active), green for EF3 pin=1 (RXD active).
 Rev.H: Add D14. R4 was /CLEAR now GND. Q1 was 2N7000 now FJN3301. R5 was 100K now 10K.
 Rev.H2: Add Q1+Q2 for /A15 inverter. Replace R15 with P6 serial RXD jumper. Add D15.

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Title
 1802 Membership Card and Front Panel Card

Size Document Number
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If used with a PC Parallel Port:
 Short P5,
 open P7-10

D=Data
 @BASE
 S=Status
 @BASE+1
 C=Control
 @BASE+2

name direction bit

SEL1>S4 04
 000 00
 PE >S5 05
 12 01
 BUSY>S7 07
 24 02
 ACK>S6 06
 10 03
 IN7 <D7 IN7
 21 GND
 D6 <D6 IN6
 8 RXD
 D5 <D5 IN5
 19 GND
 D4 <D4 IN4
 18 POWER
 D3 <D3 IN3
 17 SELO<C3 /WE
 D2 <D2 IN2
 4 INIT<C2 /CLR
 D1 <D1 IN1
 16 ERR>D3 TXD
 IN0 2 D0 <D0 IN0
 15 AUTO<C1 WAIT
 STR<C0 /IN

If used for general I/O:
 Short P7-10,
 open P5