512

6.5 MHz

C8
27pf

R3
470Ω

R4
470Ω

+5V

NOT ON BOARD

LED

17
U2B
9   8

1
2 U2A 3

4
5 U2A 6

10
9 U2A 8

13
12 U2A 11

2
1 U1D 3

12
11 U1A 13

+5v   R1
4.7KΩ

4
2 D   PR   Q 5
3 CK
1 CL   Q̄ 6
U1B   74

9
U1D 8
10

J1

UCA2   1
VCLK   2
P̄S̄Ā   3
RES   4
CLK   5
4. MHz   6
N.C.   7
N.C.   8

12
11 D   PR   Q 9
CK   CL
13   U1B   74

18

C5   82pf   R6
15KΩ   +5v

6   7
9 A 2CE 2RE
U1C
1
2
3
B 10   Q̄ 12
11

R2
1KΩ

R5
15KΩ   +5v

C6   82pf

15   14
1 A 1RE 1CE
U1C
1
2
3
2 B   Q̄ 4
3

12
13 U1D 11

5
6 U1A 4
3

2
U1A 1

9
8 U1A 10

+5v POWER

C4
33μf
16v

+5v

C1, C2, C3, C7
.1μf
10v

GROUND

OHIO SCIENTIFIC

product name/number

MODEL 512

date 11 OCT 1979   revision   page   status   sheet 1 of 1

DRAWN ~ J.L.K.

MODEL 512 BOARD   (2-18-80)

UID

ADD JUMPER

U2B

SOLDER-SIDE VIEW

OSI MODEL 512

| U1A | U1B | U1C | U1D |
| 7402 | 7474 | 74123 | 7400 |

6.5
MHZ
XTAL

U2A
7400

U2B
7417

RED

BLACK

+

−
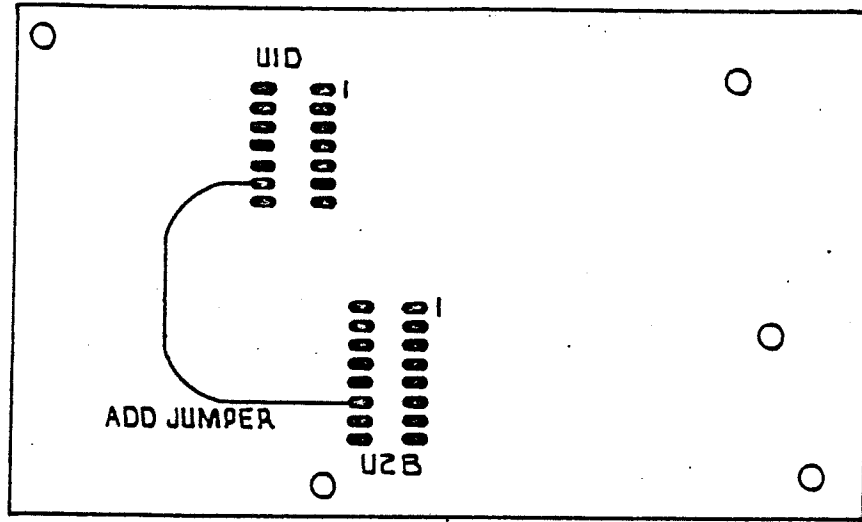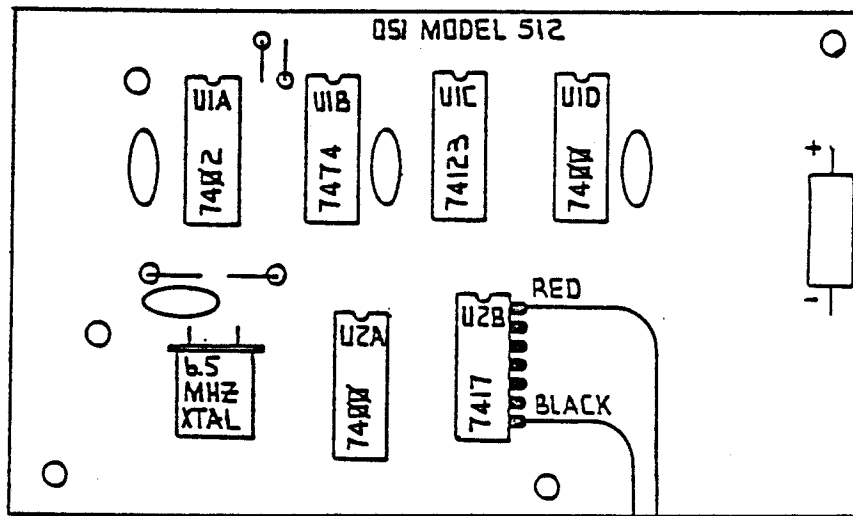
COMPONENT-SIDE VIEW

CABLE LENGTH - 40 INCHES

LED SOCKET