Logic Board

+5V

2.2K

2N7000

RTS
GND

10K

100K

1N5244B
1N5244B

U1F
74C04
13   12

U2A
4027
7
6   J   S   Q   1
3   >CLK
5   K   R   Q̄   2
4

U3
4017BC
14 >CLK   Q0 3
13 ENA   Q1 2
15 RST   Q2 4
            Q3 7
            Q4 10
            Q5 1
            Q6 5
            Q7 6
            Q8 9
            Q9 11
            CO 12

14 PIN DIP
Socket

14 Conductor
Ribbon Cable

1
2
3
4
5
6
7
8
9
10

+5V   13
        14

U1A
74C04
1   2

U1B
74C04
3   4

U1C
74C04
5   6

0.22uF

2.2M   2.2M

U1D
74C04
9   8

U1E
74C04
11   10

+5V
9
U2B
4027
10 J   S   Q   15
13 >CLK
11 K   R   Q̄   14
12