PCB CONNECTORS

POWER CONNECTOR — J2
+5V PWR_FLAG
GND PWR_FLAG

DATA BUS CONNECTOR — J1
1 BUS_7
2 BUS_6
3 BUS_5
4 BUS_4
5 BUS_3
6 BUS_2
7 BUS_1
8 BUS_0

CLOCK / CLEAR / CONTROL SIGNAL CONNECTOR — J3
1 CLR
2 CLK
3 R2_IN
4 R2_OUT
5 R1_IN
6 R1_OUT
7 R0_IN
8 R0_OUT

U1 74HC245
U2 74HC245
U3 74HC245

U5 74HC173
U6 74HC173
U4 74HC173
U8 74HC173
U9 74HC173
U7 74HC173

R0_IN R0_OUT R1_IN R1_OUT R2_IN R2_OUT

R1–R8 1k, D1–D8
R9–R16 1k, D9–D16
R17–R24 1k, D17–D24

POWER AND DECOUPLING CAPACITORS

TOOLING HOLES

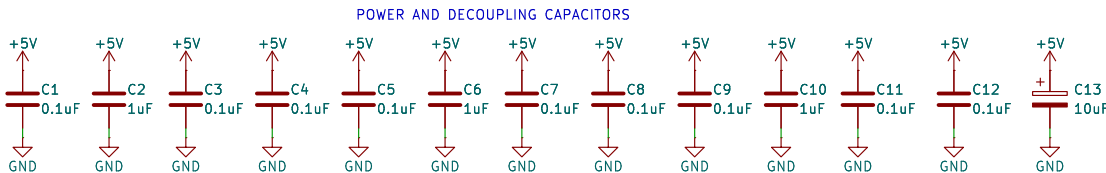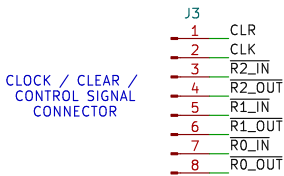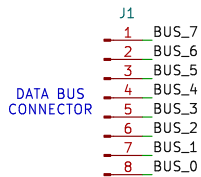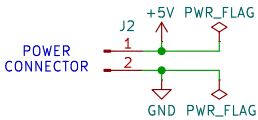| C1 0.1uF | C2 1uF | C3 0.1uF | C4 0.1uF | C5 0.1uF | C6 1uF | C7 0.1uF | C8 0.1uF | C9 0.1uF | C10 1uF | C11 0.1uF | C12 0.1uF | C13 10uF |

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