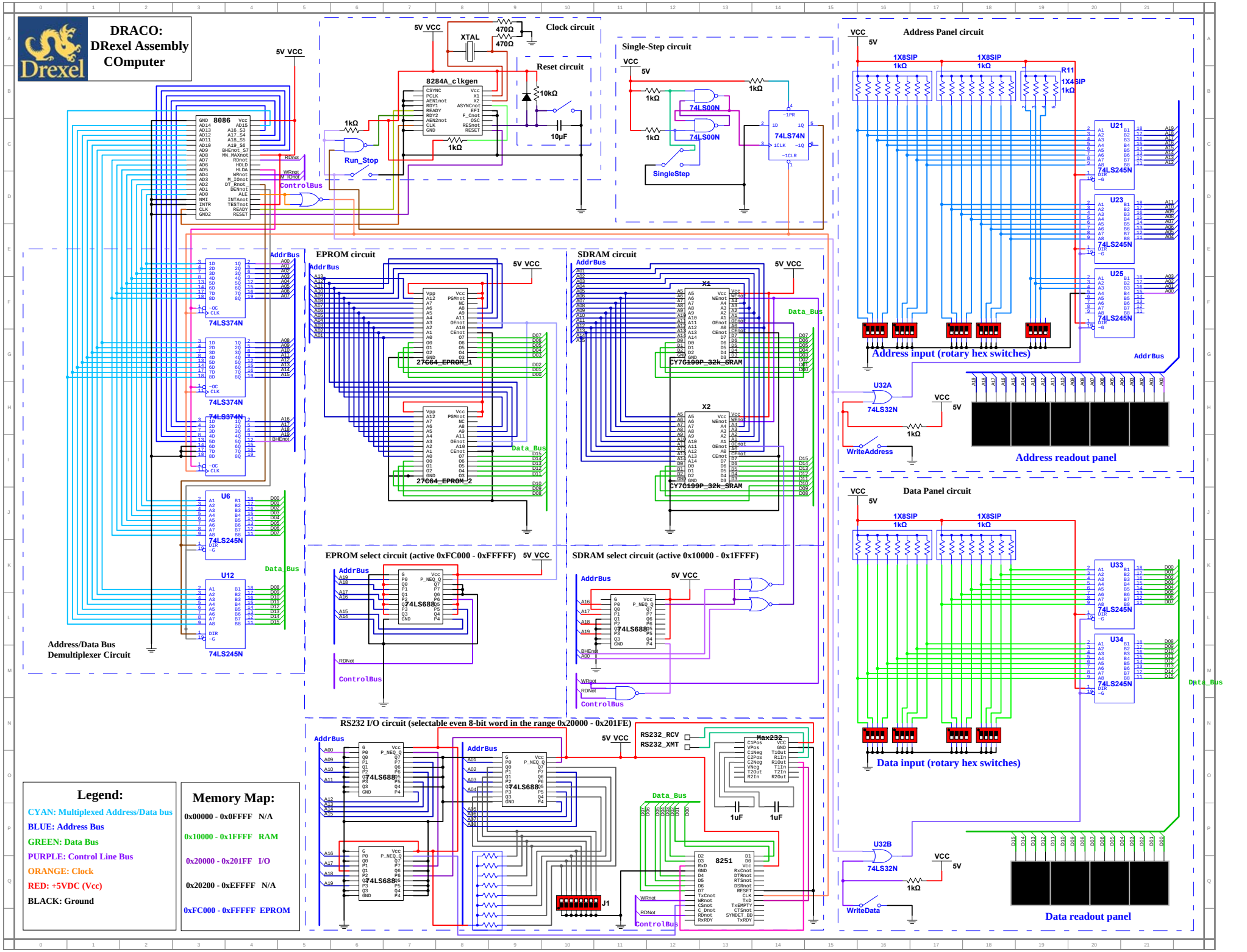
DRACO:
DRexel Assembly
COmputer
Clock circuit
Reset circuit
Single-Step circuit
Address Panel circuit
EPROM circuit
SDRAM circuit
Address/Data Bus
Demultiplexer Circuit
EPROM select circuit (active 0xFC000 - 0xFFFFF)
SDRAM select circuit (active 0x10000 - 0x1FFFF)
RS232 I/O circuit (selectable even 8-bit word in the range 0x20000 - 0x201FE)
Address input (rotary hex switches)
Address readout panel
Data Panel circuit
Data input (rotary hex switches)
Data readout panel
Legend:
CYAN: Multiplexed Address/Data bus
BLUE: Address Bus
GREEN: Data Bus
PURPLE: Control Line Bus
ORANGE: Clock
RED: +5VDC (Vcc)
BLACK: Ground
Memory Map:
0x00000 - 0x0FFFF N/A
0x10000 - 0x1FFFF RAM
0x20000 - 0x201FF I/O
0x20200 - 0xEFFFF N/A
0xFC000 - 0xFFFFF EPROM