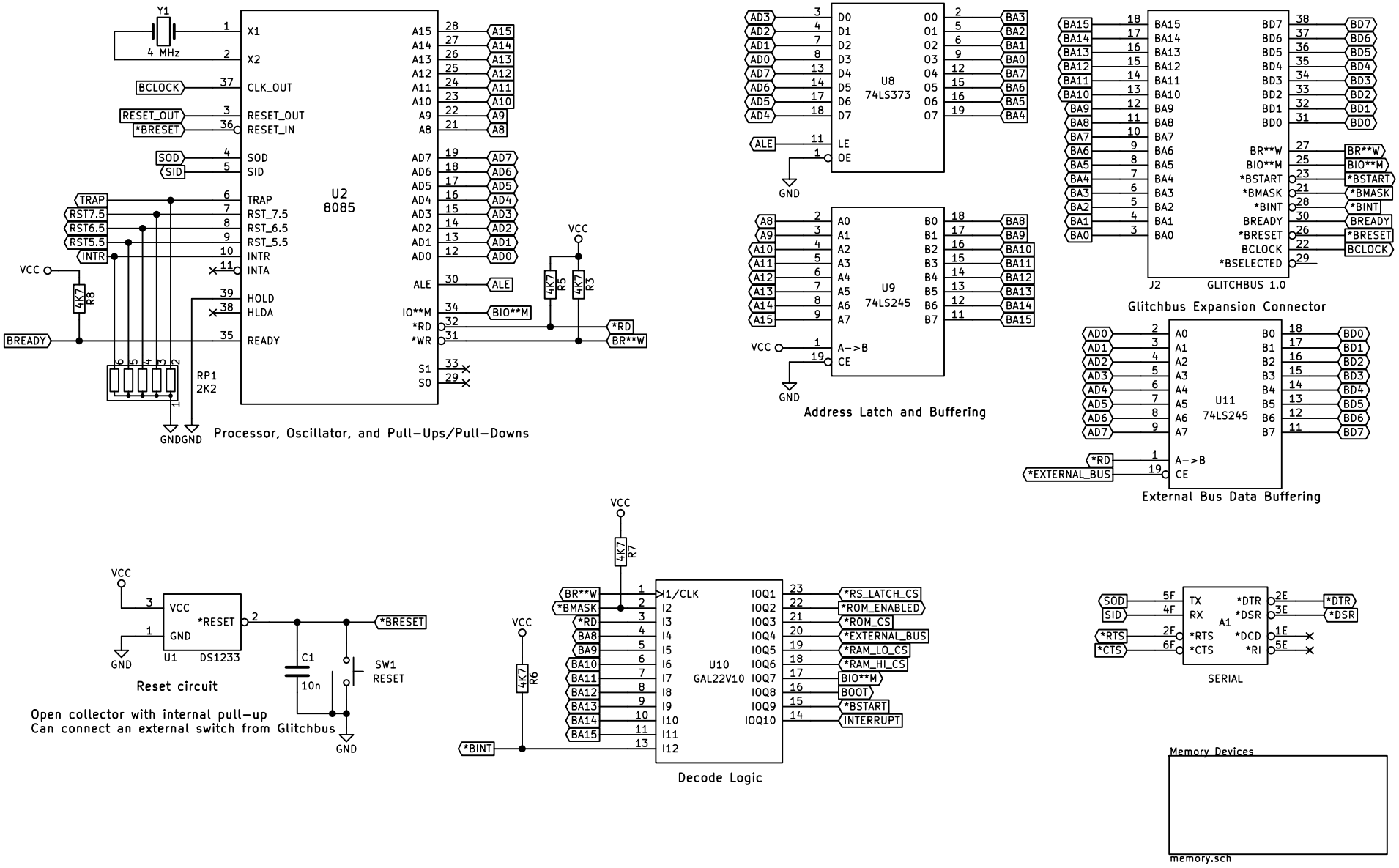
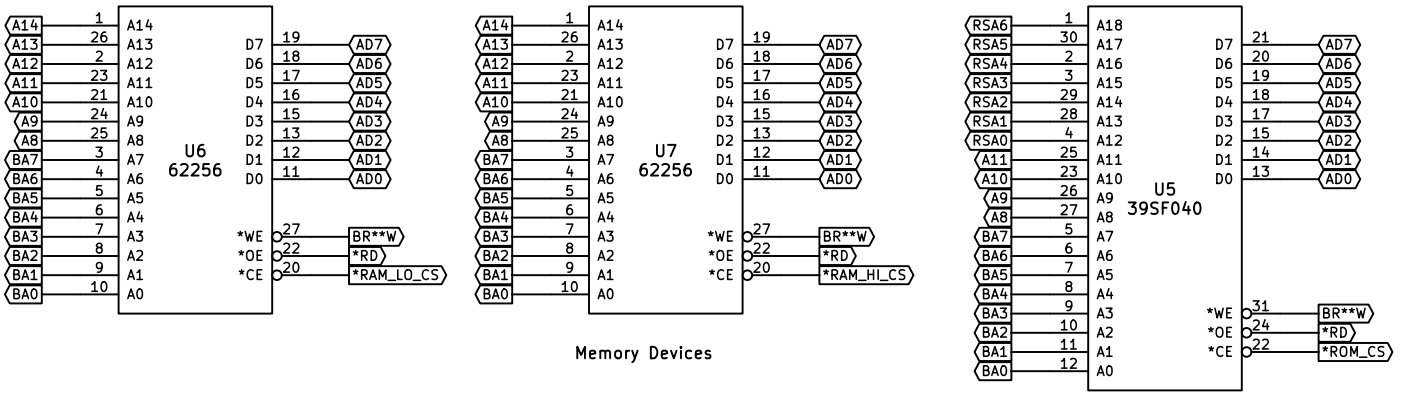
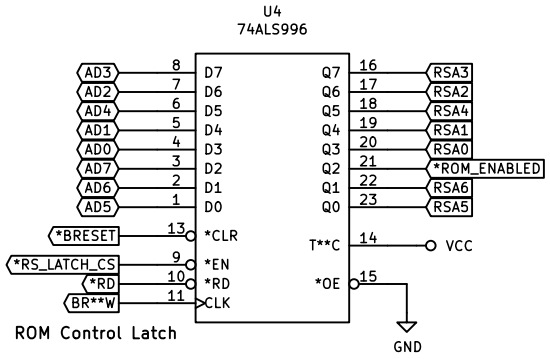
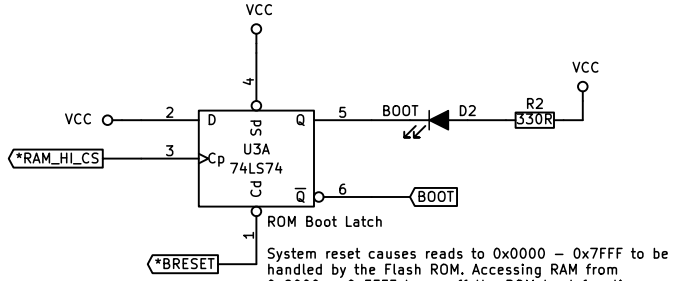

Y1
4 MHz
X1
X2
BCLOCK
CLK_OUT
RESET_OUT
RESET_OUT
*BRESET
RESET_IN
SOD
SID
TRAP
RST7.5
RST6.5
RST5.5
INTR
INTA
HOLD
HLDA
READY
BREADY
RP1
2K2
U2
8085
A15
A14
A13
A12
A11
A10
A9
A8
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
ALE
IO**M
*RD
*WR
S1
S0
BIO**M
BR**W
VCC
GND
4K7
R8
R5
R3
Processor, Oscillator, and Pull-Ups/Pull-Downs
U8
74LS373
D0
D1
D2
D3
D4
D5
D6
D7
LE
OE
O0
O1
O2
O3
O4
O5
O6
O7
U9
74LS245
A0
A1
A2
A3
A4
A5
A6
A7
A->B
CE
B0
B1
B2
B3
B4
B5
B6
B7
Address Latch and Buffering
J2
GLITCHBUS 1.0
BA15
BA14
BA13
BA12
BA11
BA10
BA9
BA8
BA7
BA6
BA5
BA4
BA3
BA2
BA1
BA0
BD7
BD6
BD5
BD4
BD3
BD2
BD1
BD0
BR**W
BIO**M
*BSTART
*BMASK
*BINT
BREADY
*BRESET
BCLOCK
*BSELECTED
Glitchbus Expansion Connector
U11
74LS245
*EXTERNAL_BUS
External Bus Data Buffering
U1
DS1233
*RESET
C1
10n
SW1
RESET
Reset circuit
Open collector with internal pull-up
Can connect an external switch from Glitchbus
R7
R6
U10
GAL22V10
I1/CLK
I2
I3
I4
I5
I6
I7
I8
I9
I10
I11
I12
IOQ1
IOQ2
IOQ3
IOQ4
IOQ5
IOQ6
IOQ7
IOQ8
IOQ9
IOQ10
*RS_LATCH_CS
*ROM_ENABLED
*ROM_CS
*EXTERNAL_BUS
*RAM_LO_CS
*RAM_HI_CS
BIO**M
BOOT
*BSTART
INTERRUPT
Decode Logic
A1
TX
RX
*RTS
*CTS
*DTR
*DSR
*DCD
*RI
SERIAL
Memory Devices
memory.sch
R4
330R
D1
POWER
C13
22uF
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
POWER
J1
Power Indicator
Bypass and Decoupling Caps
Bypass caps are 0.01 - 0.1 uF
W1
MTG
W2
MTG
W3
MTG
W4
MTG
Mounting Holes
CPU, Glitchbus Interface, and Control
J. Chapman
Glitch Works, LLC
Sheet: /
File: gw-8085sbc-4m.sch
Title: 8085 SBC rev 4 Mini
Size: USLetter
Date: 2024-03-07
Rev: PRODUCTION
KiCad E.D.A. kicad 5.1.2
Id: 1/2

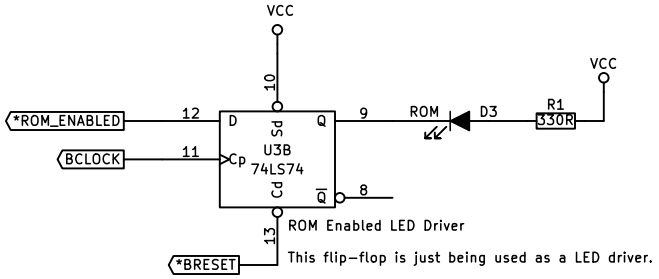




ROM Control Latch

This latch controls which 4K segment of ROM is addressed.
Cleared to 0 on *RESET, writable at IO_BASE + 2
Bits 0 – 6 set ROM page, bit 7 disables ROM when set to 1.





Memory Devices, ROM Segment Control, Boot Control		
J. Chapman **Glitch Works, LLC**		
Sheet: /Memory Devices/ File: memory.sch		
Title: 8085 SBC rev 4 Mini		
Size: USLetter	Date: 2024-03-07	**Rev: PRODUCTION**
KiCad E.D.A. kicad 5.1.2		Id: 2/2