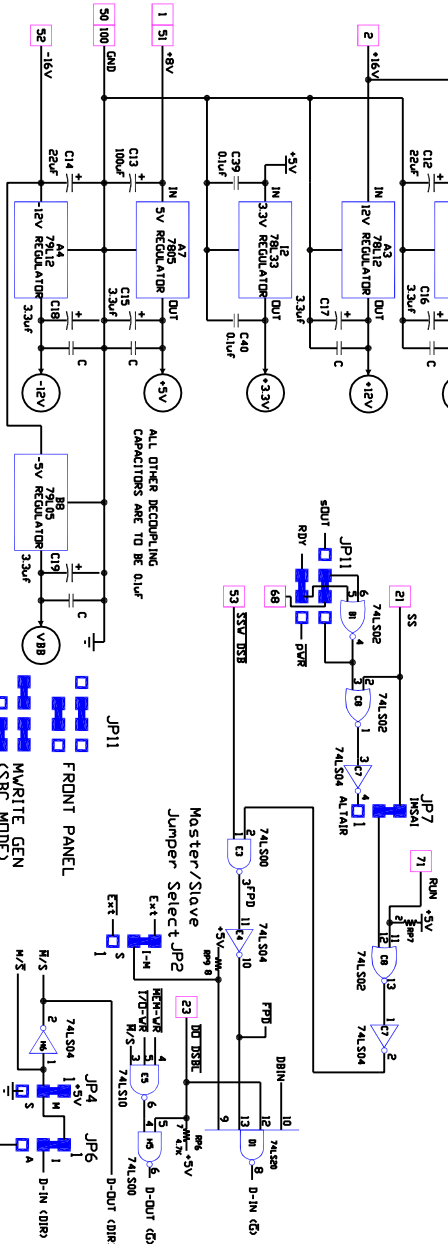
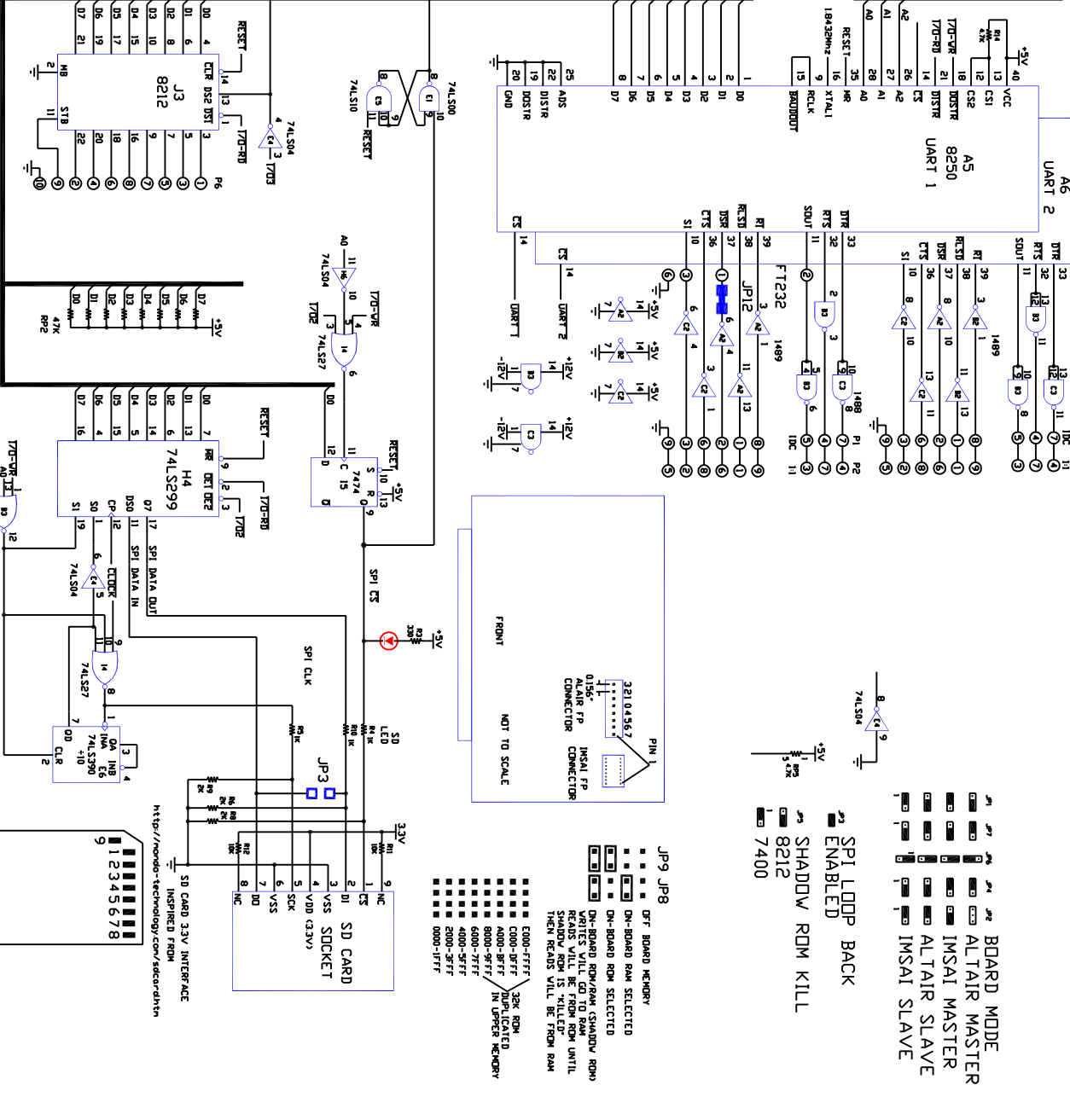
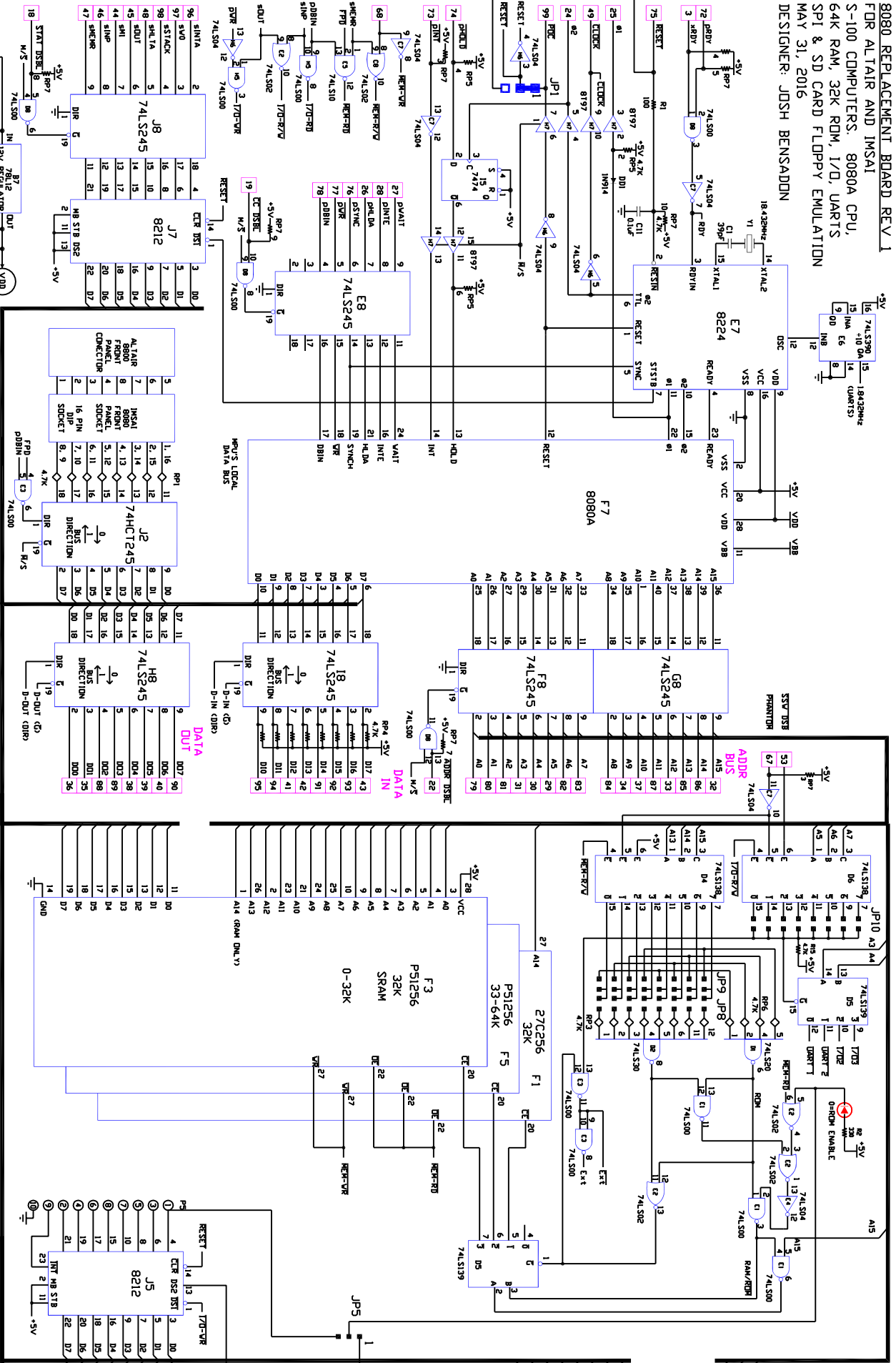


8080 REPLACEMENT BOARD REV 1
FOR ALTAIR AND IMSAI
S-100 COMPUTERS. 8080A CPU,
64K RAM, 32K ROM, I/O, UARTS
SPI & SD CARD FLOPPY EMULATION
MAY 31, 2016
DESIGNER: JOSH BENSADON



S-100 DATA BUS STEERING									
	M/S	FPD	Ext	DBIN	V/R	D-IN	D-OUT	D-OUT	D-OUT
0	X	X	X	X	X	1	X	1	X
1	X	1	X	X	X	1	X	0	0
1	1	0	0	X	X	1	X	0	0
1	1	0	1	1	1	0	1	0	0
1	1	0	1	0	0	1	X	0	0
1	0	0	1	X	X	1	X	X	1
1	0	0	1	1	0	0	1	1	1
1	0	0	0	0	0	1	X	0	1
1	1	0	0	1	1	0	0	0	0
1	1	1	0	1	1	1	0	0	0
1	1	0	1	1	1	0	1	0	0
1	1	1	1	1	1	1	1	0	0

S-100 DATA BUS STEERING

0 X X X X X X 1 X 1 X

1 X 1 X X X 1 X 0 0

1 1 0 0 X X 1 X 0 0

1 1 0 1 1 1 0 1 0 0

1 1 0 1 0 0 1 X 0 0

1 0 0 1 X X 1 X X 1

1 0 0 1 1 0 0 1 1

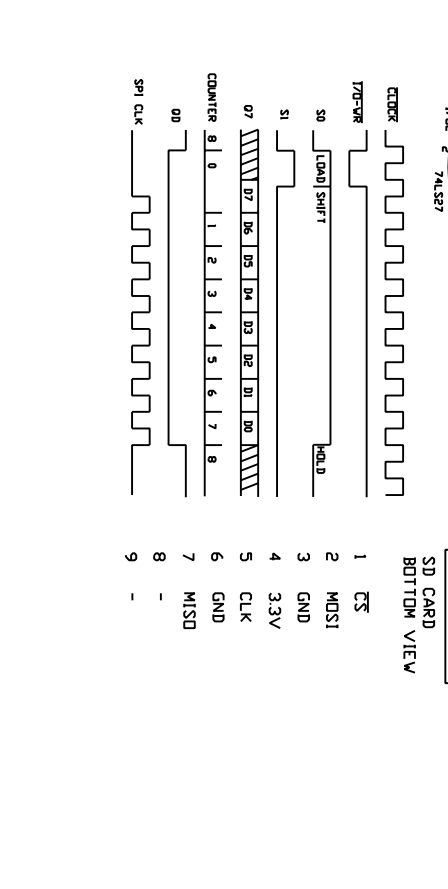
1 0 0 0 0 1 X 0 1

1 1 0 0 1 1 0 0 0

1 1 1 0 1 1 1 0 0

1 1 0 1 1 1 0 1 0

1 1 1 1 1 1 1 1 0



SD CARD BOTTOM VIEW

1 CS

2 MDS1

3 GND

4 3.3V

5 CLK

6 GND

7 MISO

8 -

9 -