


# Altair 8800 Computer Schematic

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## NOTES

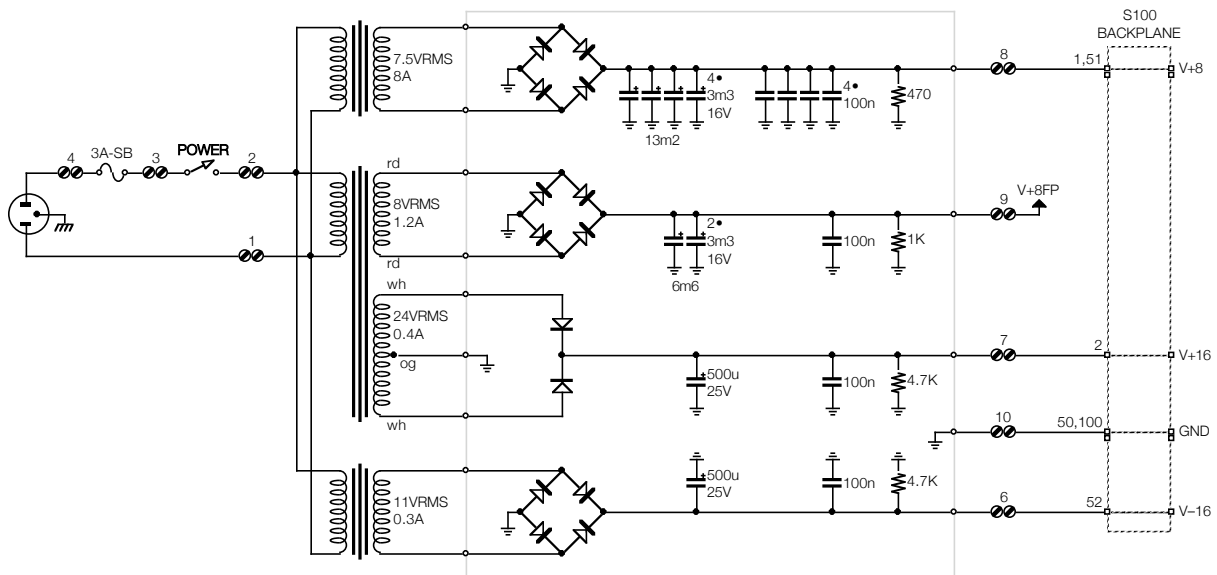
- IC locations are identified by a label of the form:  
U<board><alpha>  
  
<board> = two characters  
CP = CPU  
FP = Front Panel  
FN = Front Panel Interface
- The symbol  represents a connector pin. The solid black end is the male side, the white-filled end is the female side.  
Connector pins are identified by a label of the form:  
N <connector> . <pin>
- A small black marker on the upper half of a gate symbol indicates an open-collector output.
- Based on the MITS schematic.
- 2022 Oct: This drawing / bhilpert.

## Altair 8800 Computer

Section: Title & Contents

Page: N1

Rendition: Mar 14, 2024

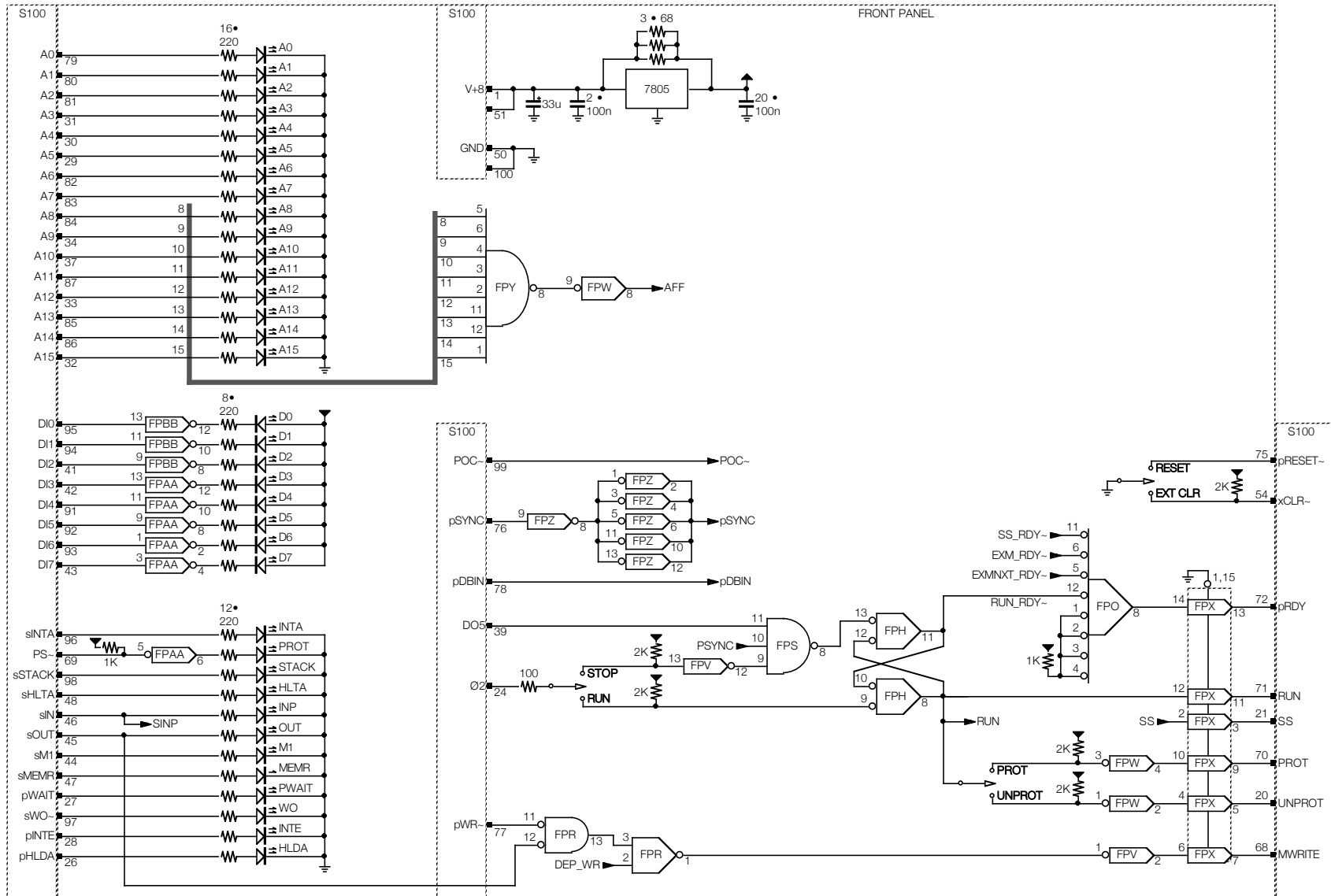


## Altair 8800 Computer

Section: Power Supply - Original

Page: PS1

Rendition: Mar 14, 2024

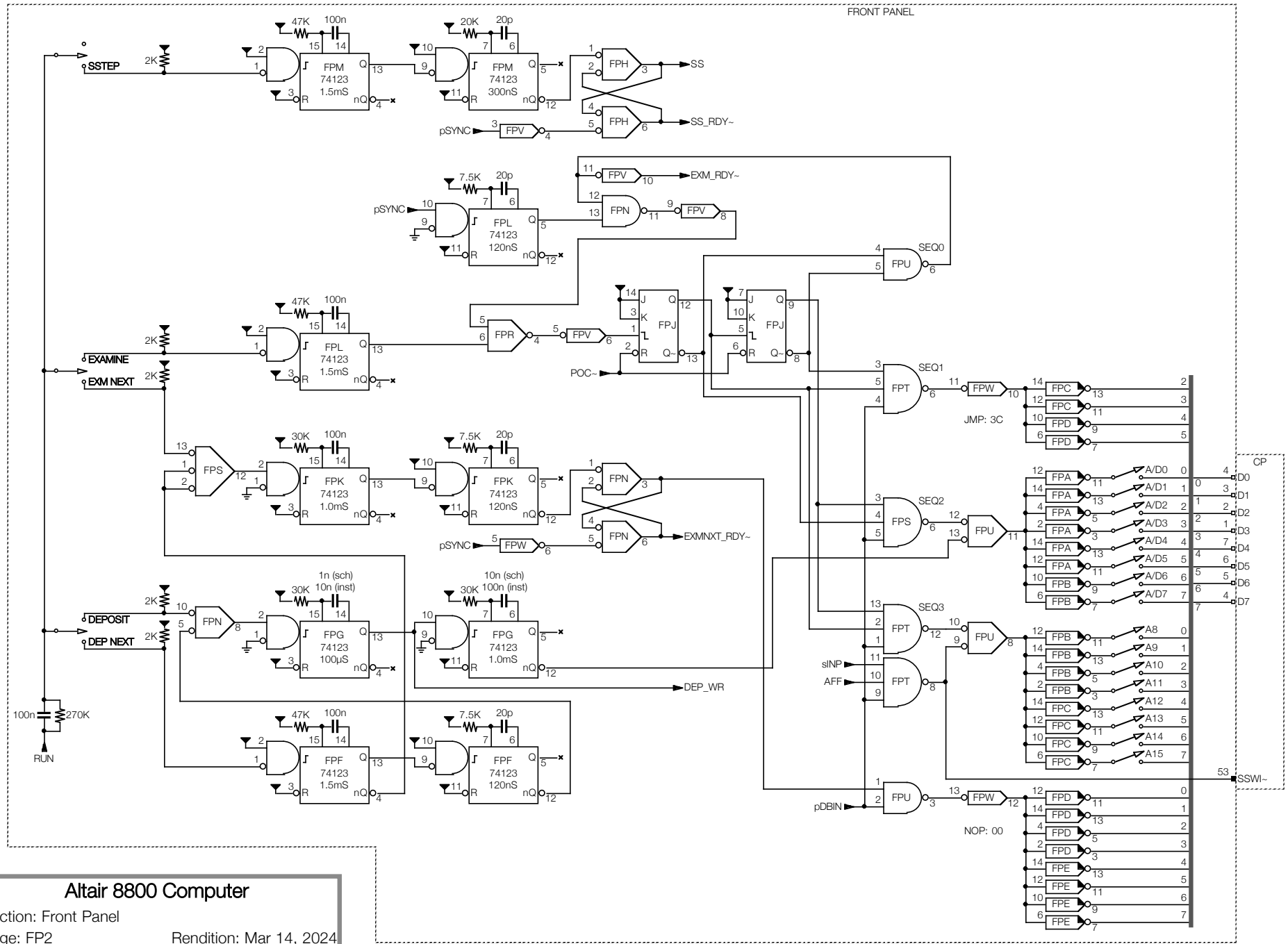


# Altair 8800 Computer

Section: Front Panel

Page: FP1

Rendition: Mar 14, 2024

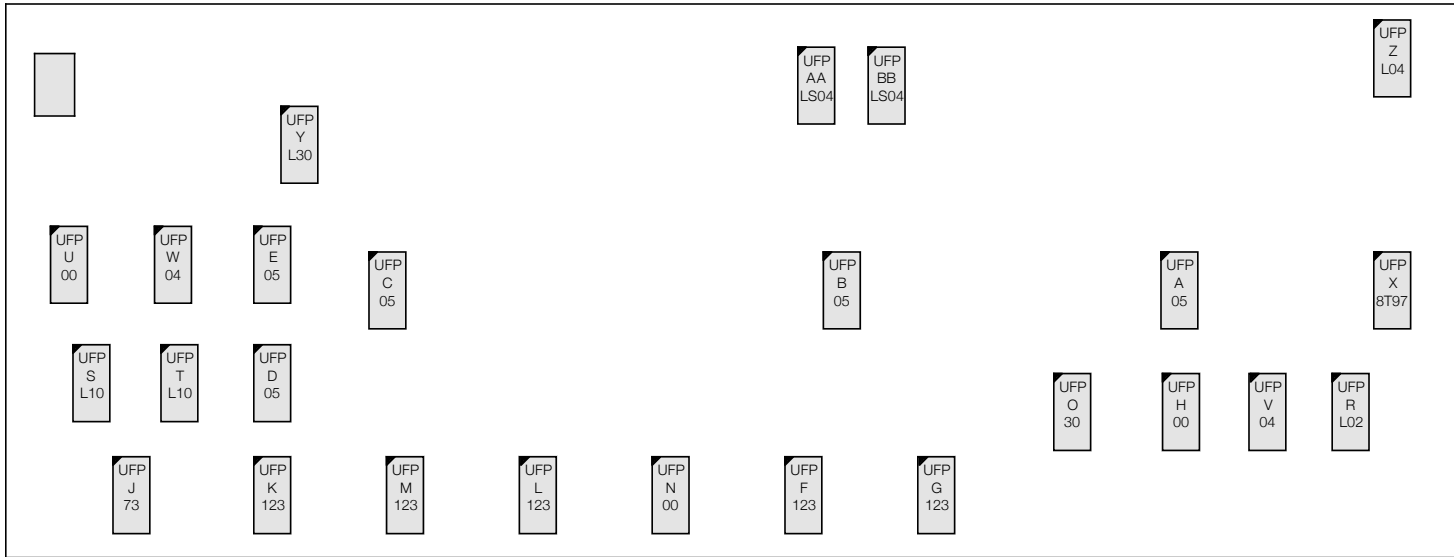


### Altair 8800 Computer

Section: Front Panel

Page: FP2

Rendition: Mar 14, 2024



UFPx	Type	a	b	c	d	e	f
A	7405	√	√	√	√	√	√
B	7405	√	√	√	√	√	√
C	7405	√	√	√	√	√	√
D	7405	√	√	√	√	√	√
E	7405	u	u	√	√	√	√
F	74123	√	√	-	-	-	-
G	74123	√	√	-	-	-	-
H	7400	√	√	√	√	-	-
J	74L73	√	√	-	-	-	-
K	74123	√	√	-	-	-	-
L	74123	√	√	-	-	-	-
M	74123	√	√	-	-	-	-
N	74L00	√	√	√	u	-	-

Total ICs: 13

UFPx	Type	a	b	c	d	e	f
O	7430	√	-	-	-	-	-
R	74L02	√	√	u	√	-	-
S	74L10	√	√	√	-	-	-
T	74L10	√	√	√	-	-	-
U	7400	√	√	√	√	-	-
V	7404	√	√	√	√	√	√
W	7404	√	√	√	√	√	√
X	8T97	√	√	√	√	√	√
Y	74L30	√	-	-	-	-	-
Z	74L04	√	√	√	√	√	√
AA	74LS04	√	√	√	√	√	√
BB	74LS04	u	u	u	√	√	√

Total ICs: 12

Type	Count	Pins	V+5	GND
7400	2	14	14	7
74L00	1	14	14	7
74L02	1	14	14	7
7404	3	14	14	7
74LS04	2	14	14	7
7405	5	14	14	7
74L10	2	14	14	7
7430	1	14	14	7
74L30	1	14	5	10
74L73	1	16	16	8
74123	5	16	16	8
8T97	1	16	16	8
<b>Total:</b>	<b>25</b>			

## Altair 8800 Computer

Section: Front Panel - Board Layout & ICs

Page: FP3

Rendition: Mar 14, 2024