


**MIT S  
88-CPU**

**S100 8080 CPU Board**

**Schematic**

**NOTES**

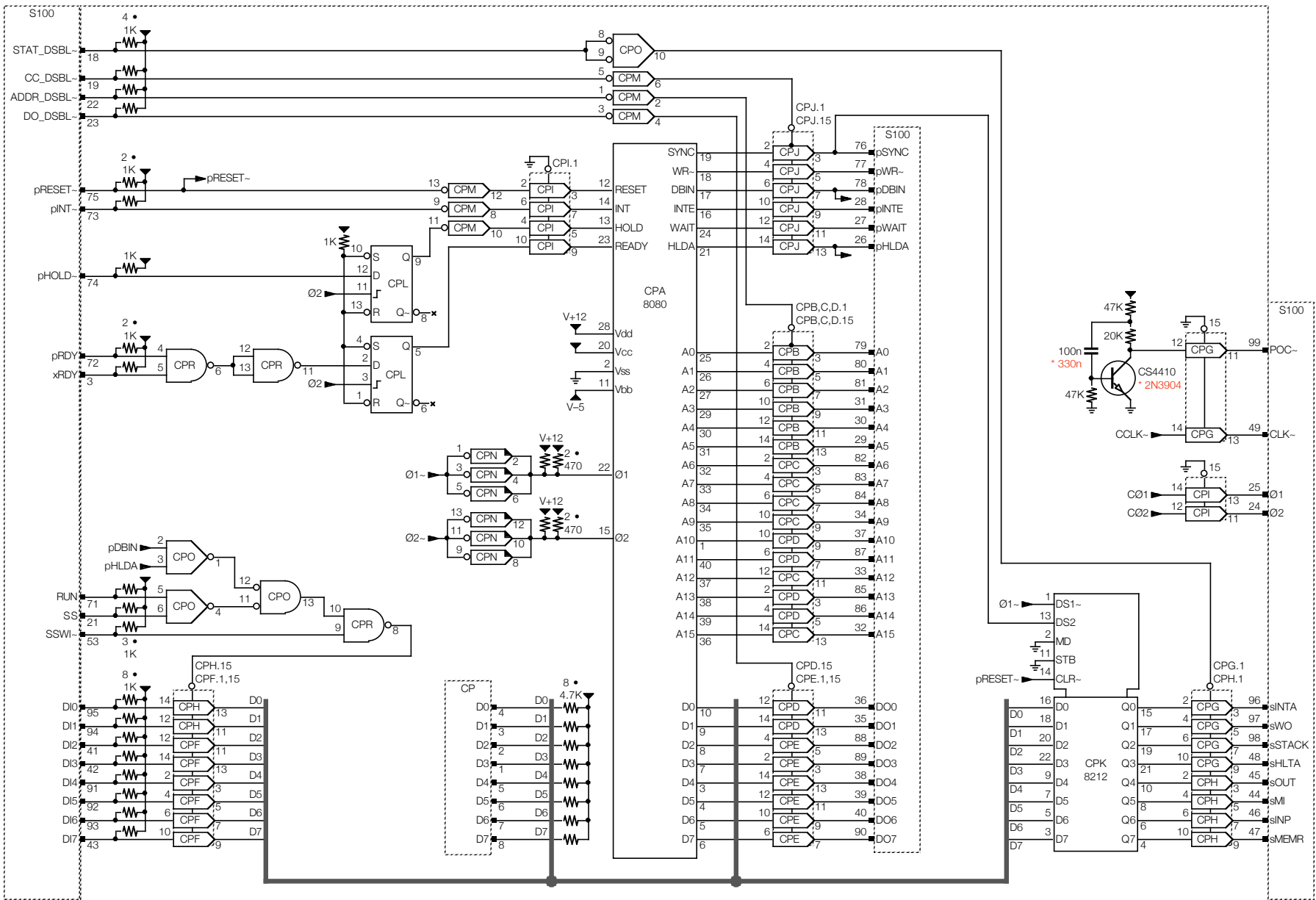
- The symbol  represents a connector pin. The solid black end is the male side, the white-filled end is the female side. Connector pins are identified by a label of the form:  
N <connector> . <pin>
- A small black marker on the upper half of a gate symbol indicates an open-collector output.
- Based on MITS schematic, with clock oscillator alteration.
- 2022 Dec:        This drawing / bhilpert.

**MIT S 88-CPU Board**

Section: Title & Notes

Page: 1

Rendition: 2023 Apr 15



### MITS 88-CPU Board

Section: CPU Board

Page: 2

Rendition: 2023 Apr 15

UCPx	Type	a	b	c	d	e	f
A	8080	√					
B	8T97	√	√	√	√	√	√
C	8T97	√	√	√	√	√	√
D	8T97	√	√	√	√	√	√
E	8T97	√	√	√	√	√	√
F	8T97	√	√	√	√	√	√
G	8T97	√	√	√	√	√	√
H	8T97	√	√	√	√	√	√
I	8T97	√	√	√	√	√	√
J	8T97	√	√	√	√	√	√
K	8212	√					
L	74LS74	√	√				
M	74LS04	√	√	√	√	√	√
N	7406	√	√	√	√	√	√
O	74L02	√	√	√	√	√	√
P	7404	√	√	√	u	√	√
Q	74123	√	√				
R	74L00	u	√	√	√		

Total ICs 18

Type	Qty	Pins	V+5	GND
74L00	1	14	14	7
74L02	1	14	14	7
7404	1	14	14	7
74LS04	1	14	14	7
7406	1	14	14	7
7474	1	14	14	7
74123	1	16	16	8
8T97	9	16	16	8
8080	1	40	*	*
8212	1	24	24	12
Total:	18			

\* Alterations as installed on Recreation board.

