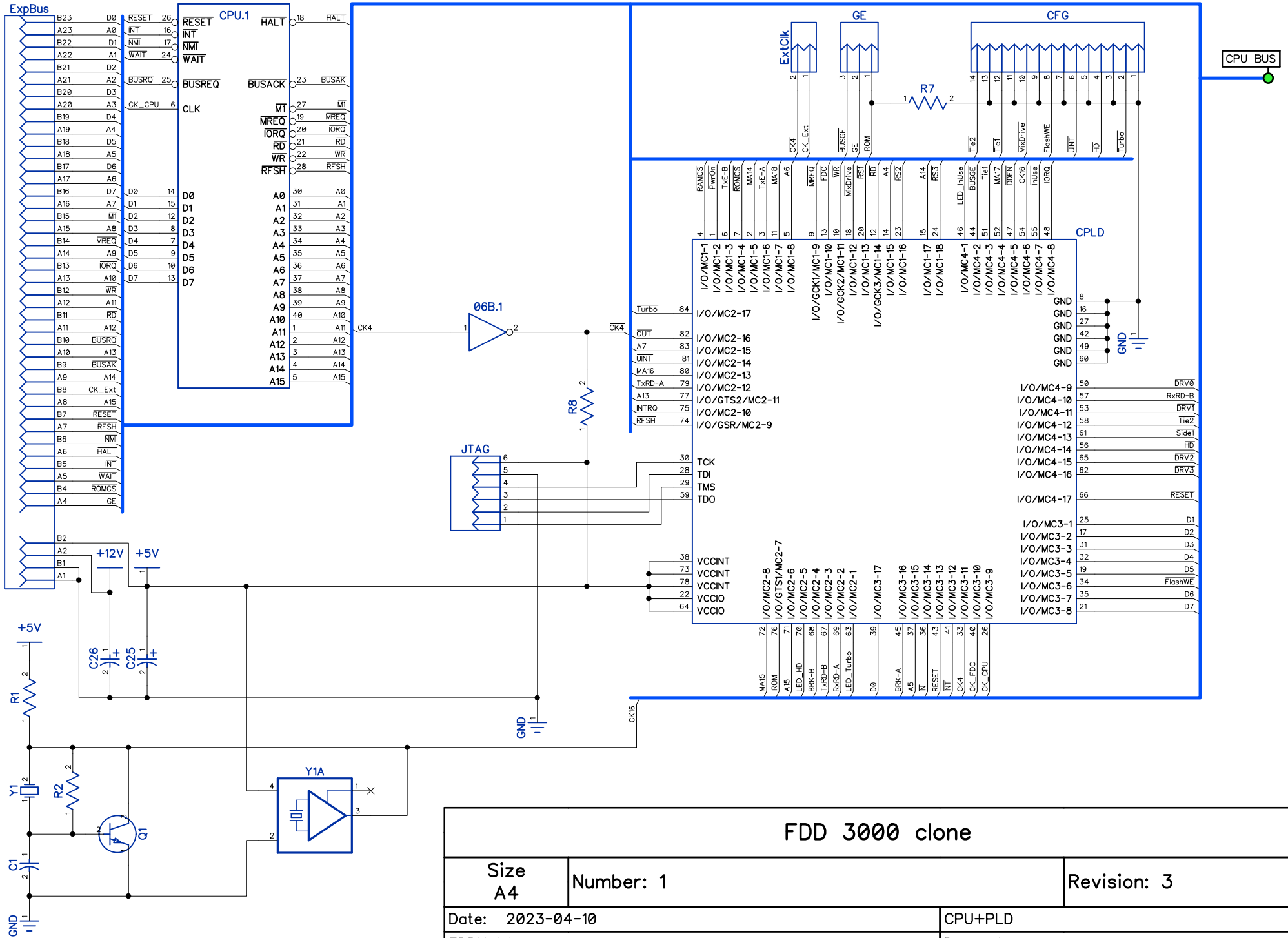
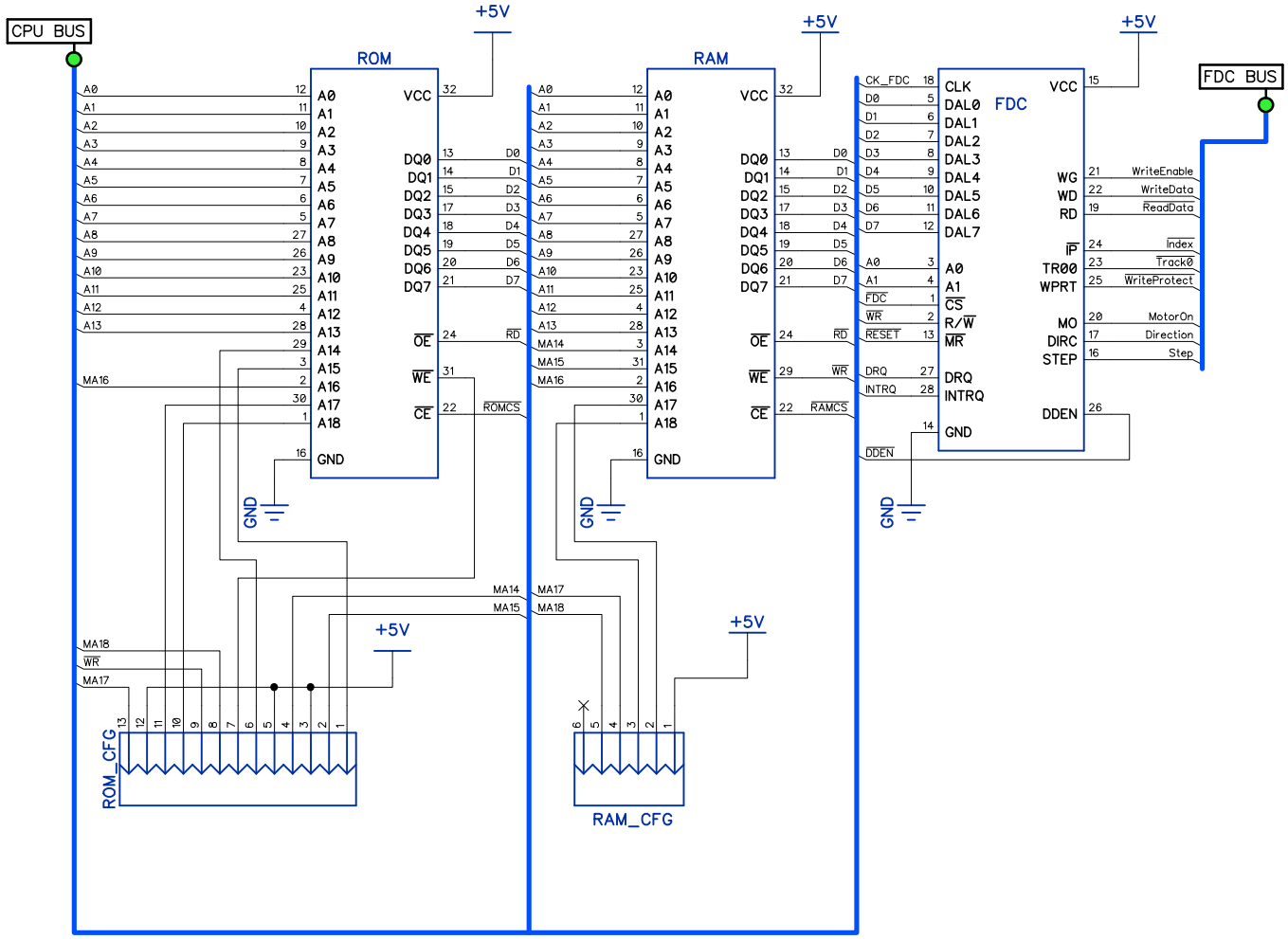
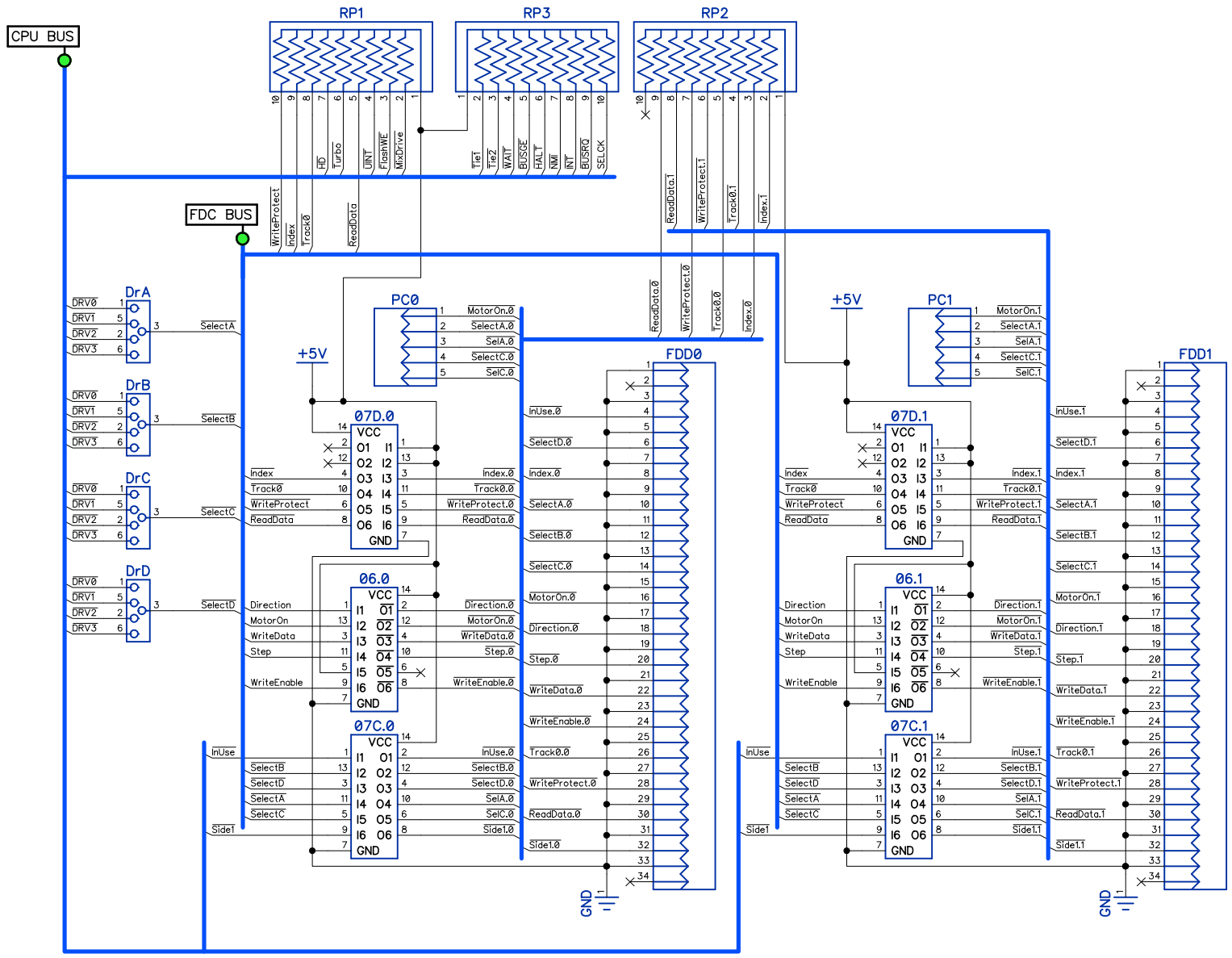

ExpBus
CPU.1
RESET
INT
NMI
WAIT
BUSREQ
CLK
HALT
BUSACK
M1
MREQ
IORQ
RD
WR
RFSH
D0
D1
D2
D3
D4
D5
D6
D7
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
A15
CK_CPU
CK4
06B.1
JTAG
TCK
TDI
TMS
TDO
R8
R7
ExtClk
GE
CFG
CPU_BUS
CPLD
I/O/MC1-1
I/O/MC1-2
I/O/MC1-3
I/O/MC1-4
I/O/MC1-5
I/O/MC1-6
I/O/MC1-7
I/O/MC1-8
I/O/GCK1/MC1-9
I/O/MC1-10
I/O/GCK2/MC1-11
I/O/MC1-12
I/O/MC1-13
I/O/GCK3/MC1-14
I/O/MC1-15
I/O/MC1-16
I/O/MC1-17
I/O/MC1-18
I/O/MC2-17
I/O/MC2-16
I/O/MC2-15
I/O/MC2-14
I/O/MC2-13
I/O/MC2-12
I/O/GTS2/MC2-11
I/O/MC2-10
I/O/GSR/MC2-9
I/O/MC2-8
I/O/GTS1/MC2-7
I/O/MC2-6
I/O/MC2-5
I/O/MC2-4
I/O/MC2-3
I/O/MC2-2
I/O/MC2-1
I/O/MC3-17
I/O/MC3-16
I/O/MC3-15
I/O/MC3-14
I/O/MC3-13
I/O/MC3-12
I/O/MC3-11
I/O/MC3-10
I/O/MC3-9
I/O/MC4-1
I/O/MC4-2
I/O/MC4-3
I/O/MC4-4
I/O/MC4-5
I/O/MC4-6
I/O/MC4-7
I/O/MC4-8
I/O/MC4-9
I/O/MC4-10
I/O/MC4-11
I/O/MC4-12
I/O/MC4-13
I/O/MC4-14
I/O/MC4-15
I/O/MC4-16
I/O/MC4-17
I/O/MC3-1
I/O/MC3-2
I/O/MC3-3
I/O/MC3-4
I/O/MC3-5
I/O/MC3-6
I/O/MC3-7
I/O/MC3-8
VCCINT
VCCIO
GND
+12V
+5V
C26
C25
C1
R1
R2
Y1
Y1A
Q1
FDD 3000 clone
Size A4
Number: 1
Revision: 3
Date: 2023-04-10
CPU+PLD
FDDX.dch
Drawn by: pear



FDD 3000 clone

Size	Number: 2	Revision: 3
A4		

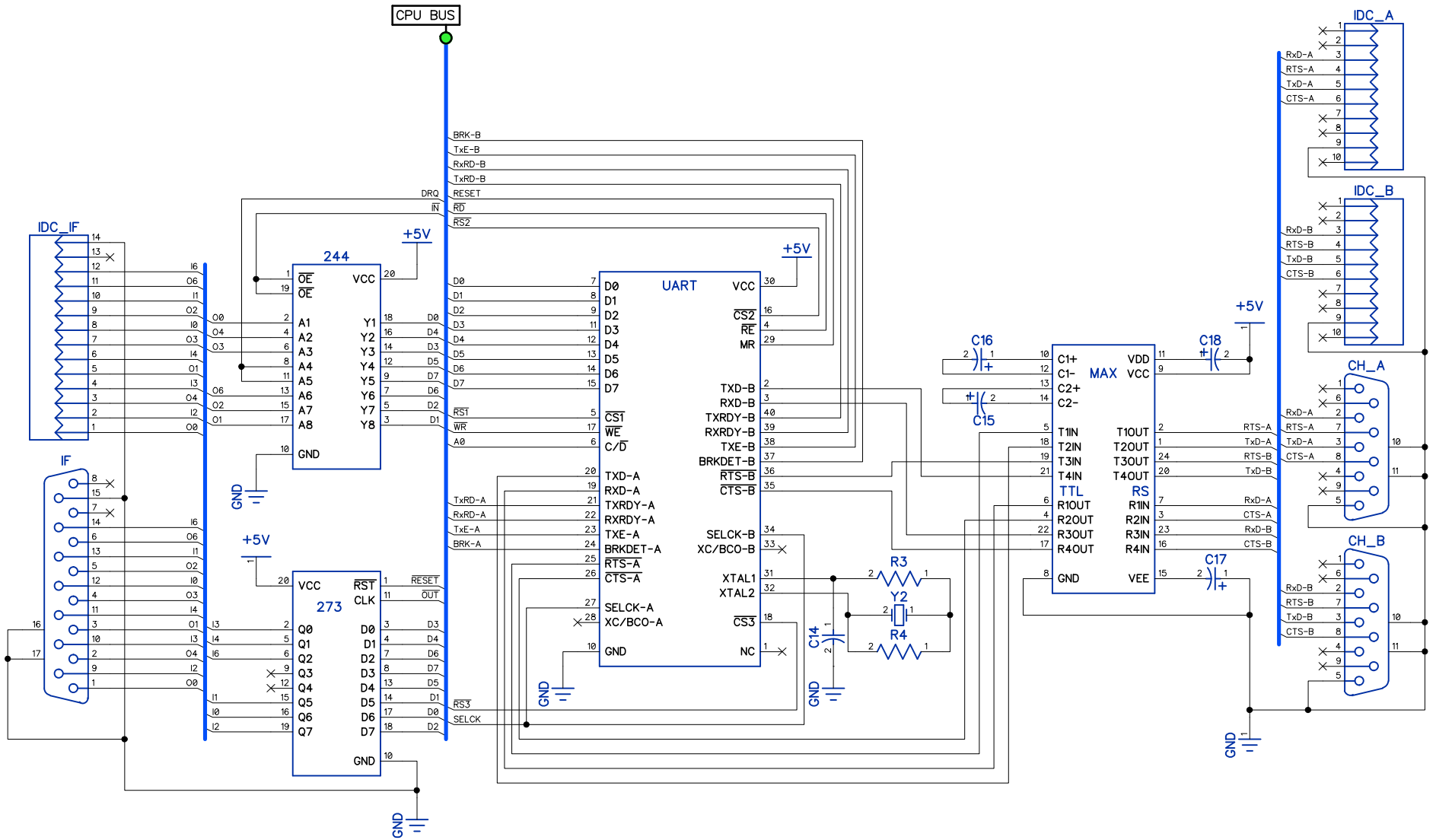
Date: 2023-04-10	Memory+FDC
FDDX.dch	Drawn by: pear



FDD 3000 clone

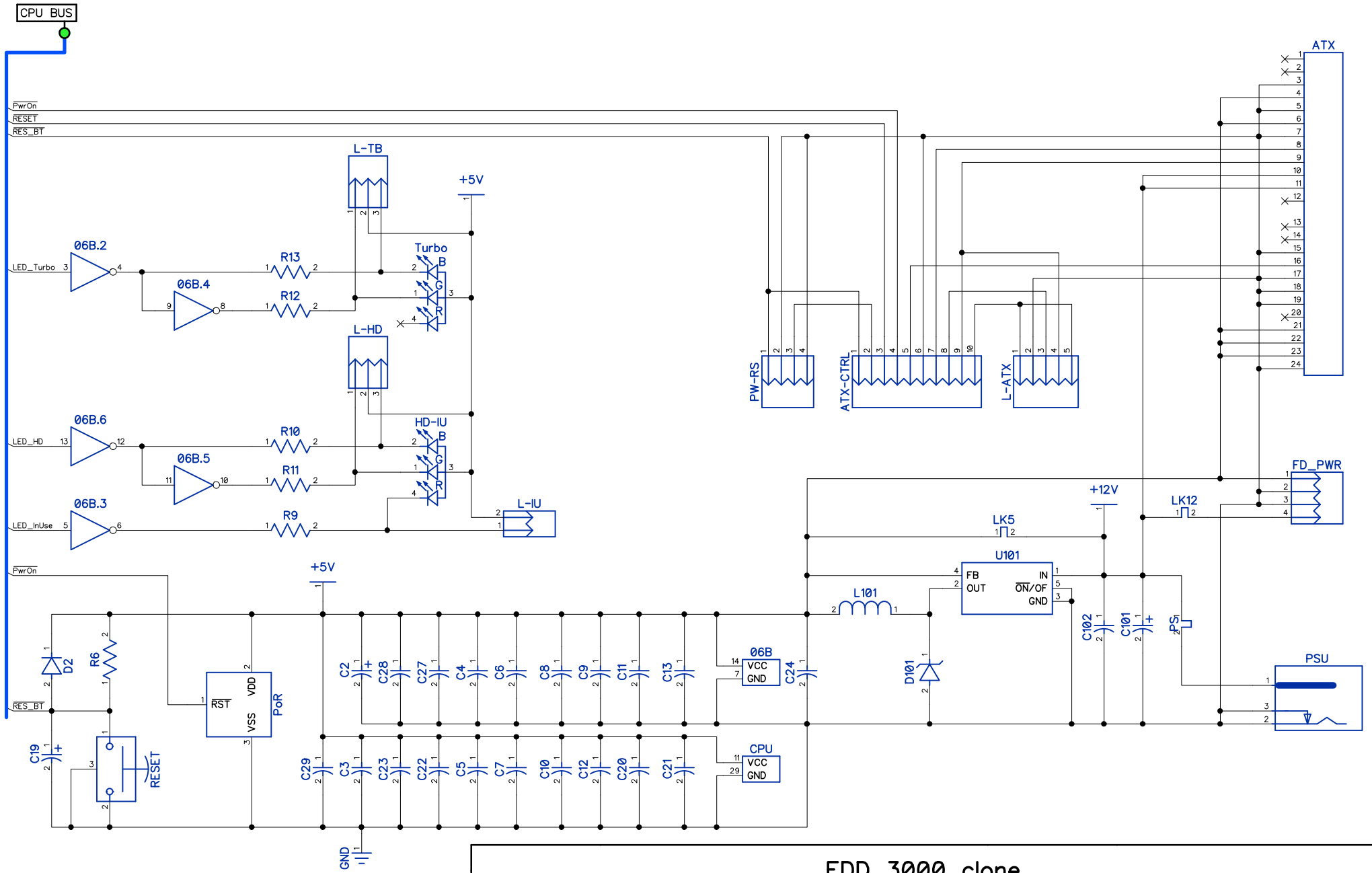
Size	Number:	Revision:
A4	3	3

Date: 2023-04-10	FDD
FDDX.dch	Drawn by: pear



FDD 3000 clone

Size	Number: 4	Revision: 3
A4		
Date: 2023-04-10		UART+Interface
FDDX.dch		Drawn by: pear



FDD 3000 clone		
Size A4	Number: 5	Revision: 3
Date: 2023-04-10		Power+IO
FDDX.dch		Drawn by: pear

#	RefDes	Name	Value
1	244	74LS244	
2	273	74LS244	
3	06.0	74LS06	
4	06.1	74LS07	
5	06B	74LS06	
6	07C.0	74LS07	
7	07C.1	74LS07	
8	07D.0	74LS07	
9	07D.1	74LS07	
10	ATX	MX-39-29-9243	
11	ATX-CTRL	ATX_CTRL	
12	C1	CAP	100pF
13	C2	CAP200RP	1000uF
14	C3	MLCC	100nF
15	C4	MLCC	100nF
16	C5	MLCC	100nF
17	C6	MLCC	100nF
18	C7	MLCC	100nF
19	C8	MLCC	100nF
20	C9	MLCC	100nF
21	C10	MLCC	100nF
22	C11	MLCC	100nF
23	C12	MLCC	100nF
24	C13	MLCC	100nF
25	C14	CAP	56pF
26	C15	CAP100RP	1uF
27	C16	CAP100RP	1uF
28	C17	CAP100RP	1uF
29	C18	CAP100RP	1uF
30	C19	CAP100RP	4,7uF
31	C20	MLCC	100nF
32	C21	MLCC	100nF
33	C22	MLCC	100nF
34	C23	MLCC	100nF
35	C24	MLCC	100nF
36	C25	CAP100RP	10uF
37	C26	CAP100RP	10uF
38	C27	MLCC	100nF
39	C28	MLCC	100nF
40	C29	MLCC	100nF
41	C101	CAP200RP	470uF
42	C102	MLCC	100nF
43	CFG	HDR-2x7	
44	CH_A	D-Sub9M	
45	CH_B	D-Sub9M	
46	CPLD	XC9572-10PC84C	
47	CPU	Z80-8MHz	
48	D2	DIODE	1N4148
49	D101	1N5822	
50	DrA	CFG_FDD	
51	DrB	CFG_FDD	
52	DrC	CFG_FDD	
53	DrD	CFG_FDD	
54	ExpBus	ExpBusFDD3000	
55	ExtClk	HDR-1x2	

#	RefDes	Name	Value
56	FD_PWR	171826-4	
57	FDC	WD1772	
58	FDD0	ZL231-34PG	
59	FDD1	ZL231-34PG	
60	GE	HDR-1x3	
61	HD-IU	OSTAMA7NE2B	Tri-Color Common Anode
62	IDC_A	HDR-2x5	
63	IDC_B	HDR-2x5	
64	IDC_IF	HDR-2x7	
65	IF	D-Sub15F	
66	JTAG	HDR-1x6	
67	L101	DPU033A3	33uH
68	L-ATX	HDR-1x5	
69	L-HD	HDR-1x3	
70	L-IU	HDR-1x2	
71	L-TB	HDR-1x3	
72	LK5	SHORT	
73	LK12	SHORT	
74	MAX	MAX238	
75	PC0	HDR-1x5	
76	PC1	HDR-1x5	
77	PoR	MCP130-450DI/TO	
78	PS	SHORT	
79	PSU	PC-GK2.1	
80	PW-RS	HDR-1x4	
81	Q1	BC237	
82	R1	RES	4k7
83	R2	RES	47k
84	R3	RES	1k
85	R4	RES	1M
86	R6	RES	100k
87	R7	RES	4k7
88	R8	RES	330R
89	R9	RES	1k
90	R10	RES	1k
91	R11	RES	1k
92	R12	RES	1k
93	R13	RES	1k
94	RAM	AS6C4008	
95	RAM_CFG	HDR-2x3	
96	RESET	B3F-3150	
97	ROM	29F040	
98	ROM_CFG	CFG_ROM	
99	RP1	4610X-101-152LF	1k5
100	RP2	4610X-101-152LF	1k5
101	RP3	4610X-101-152LF	1k5
102	Turbo	OSTAMA7NE2B	Tri-Color Common Anode
103	U101	LM2596S-5.0	
104	UART	WD2123	
105	Y1	16.00M-HC49	16MHz
106	Y2	1.8432M-HC49	1,8432MHz
107	Y1A	CFPS-72-16M	