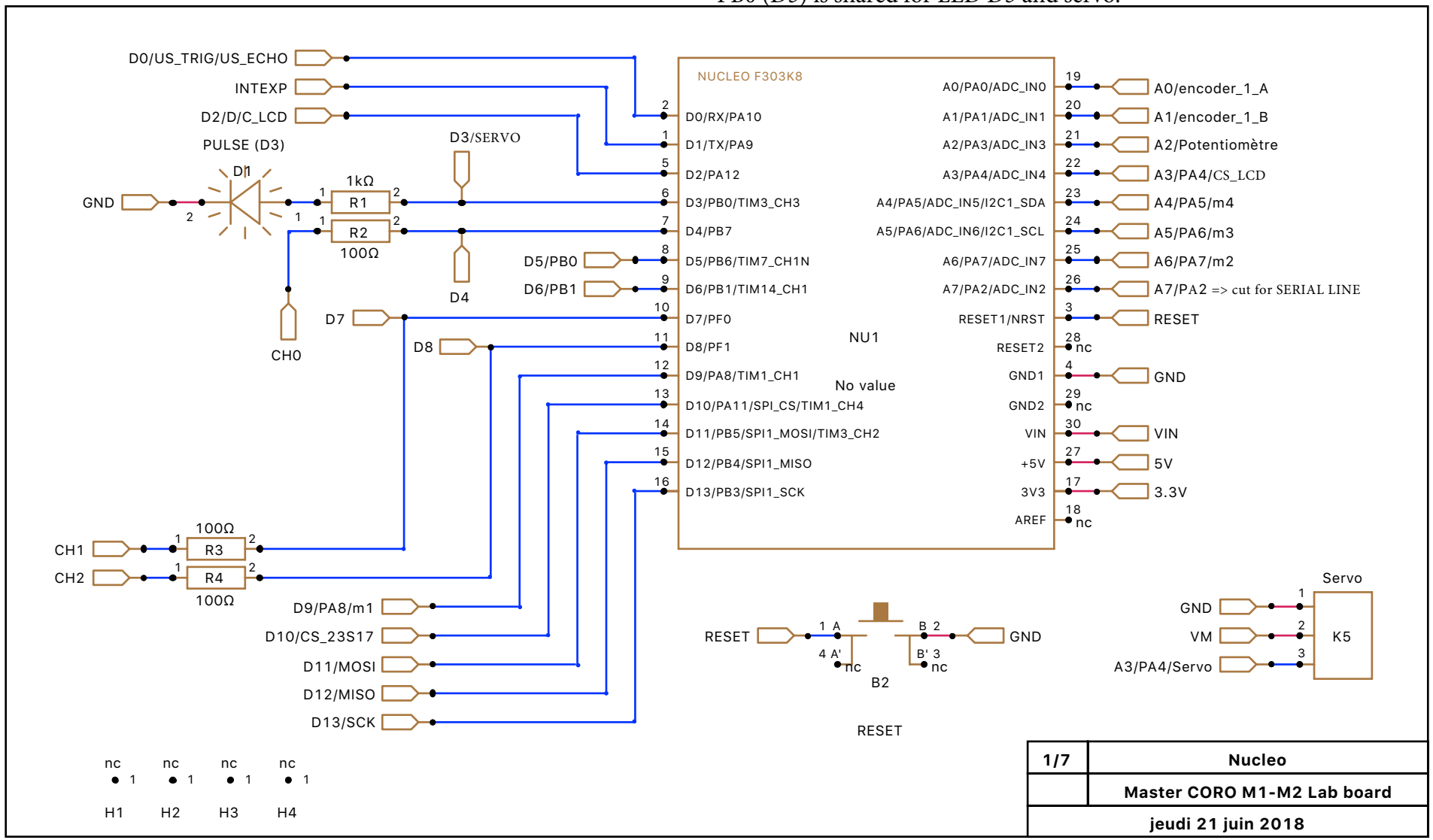
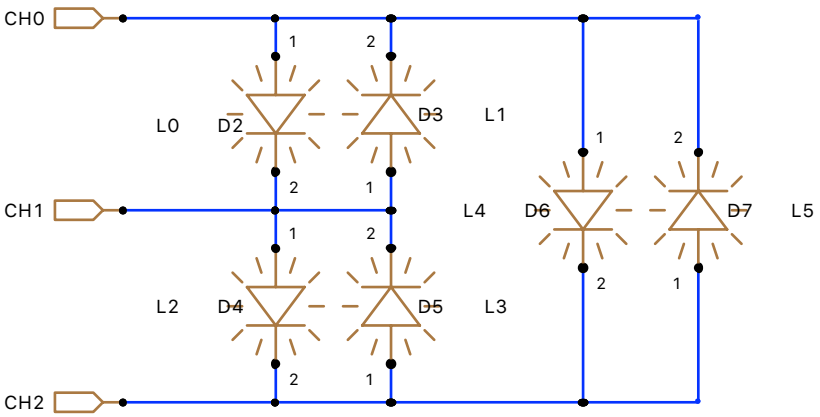
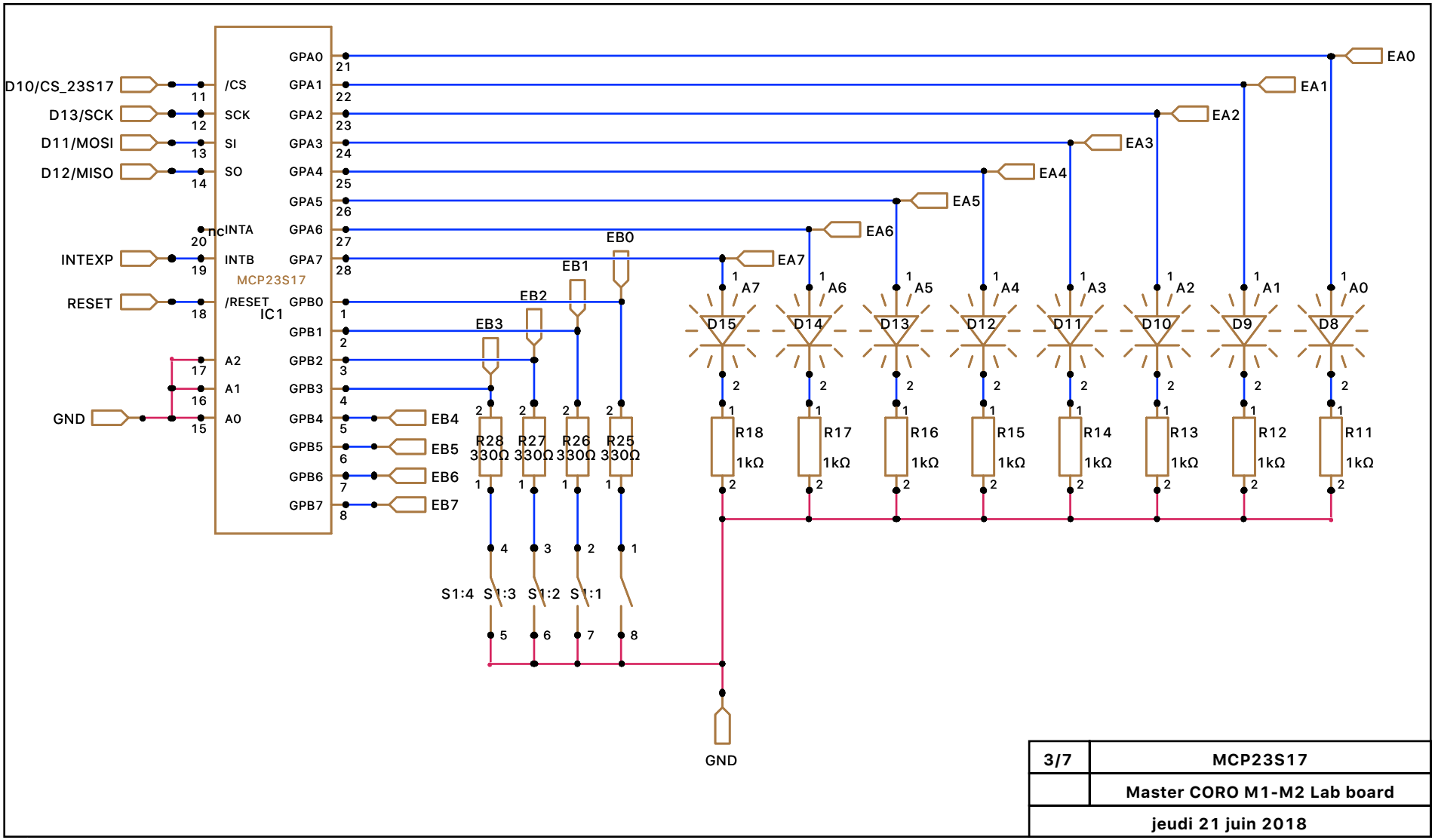
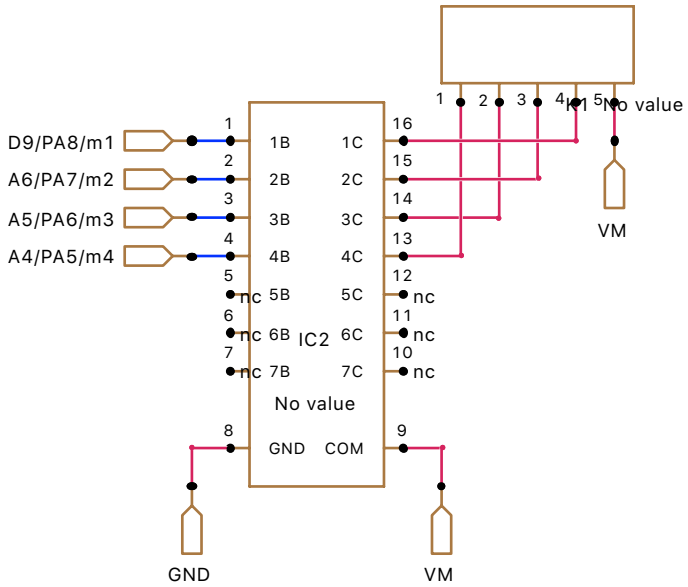
update 2020:
- PA2 (A7) is no more for CS_LCD, reserved for serial line
- PA4 (A3) is no more for servo, but for CS_LCD
- PB0 (D3) is shared for LED D3 and servo.

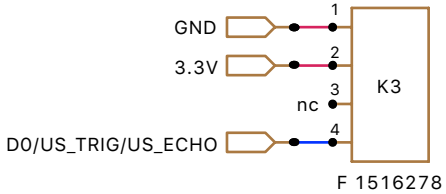




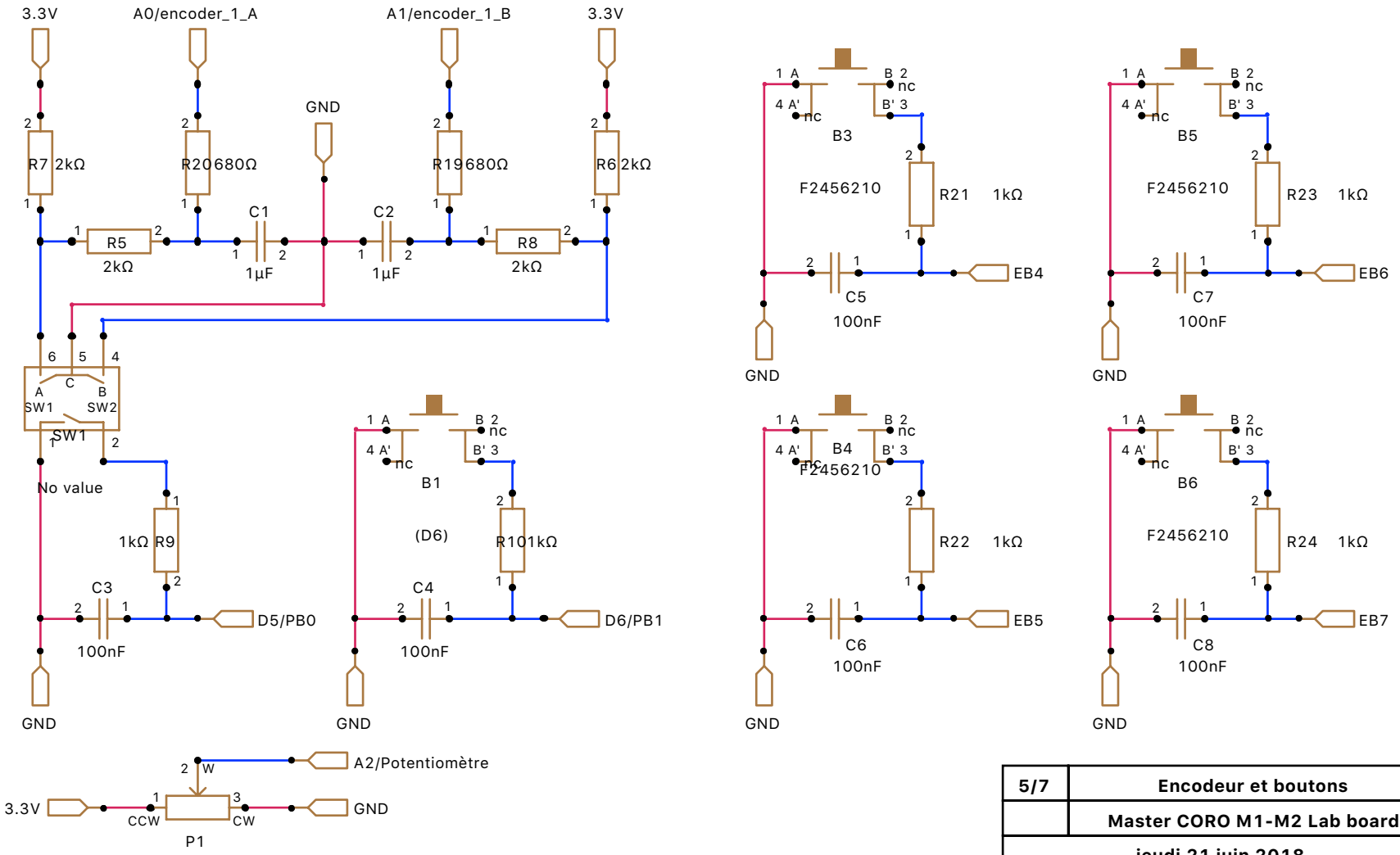
2/7	LEDs - Charlieplexing
	Master CORO M1-M2 Lab board
jeudi 21 juin 2018	


D10/CS_23S17
D13/SCK
D11/MOSI
D12/MISO
INTEXP
RESET
GND
/CS
SCK
SI
SO
nc
INTA
INTB
/RESET
A2
A1
A0
MCP23S17
IC1
GPA0
GPA1
GPA2
GPA3
GPA4
GPA5
GPA6
GPA7
GPB0
GPB1
GPB2
GPB3
GPB4
GPB5
GPB6
GPB7
EB4
EB5
EB6
EB7
EB0
EB1
EB2
EB3
R28 330Ω
R27 330Ω
R26 330Ω
R25 330Ω
S1:4
S1:3
S1:2
S1:1
EA0
EA1
EA2
EA3
EA4
EA5
EA6
EA7
A7
A6
A5
A4
A3
A2
A1
A0
D15
D14
D13
D12
D11
D10
D9
D8
R18 1kΩ
R17 1kΩ
R16 1kΩ
R15 1kΩ
R14 1kΩ
R13 1kΩ
R12 1kΩ
R11 1kΩ
GND
3/7
MCP23S17
Master CORO M1-M2 Lab board
jeudi 21 juin 2018

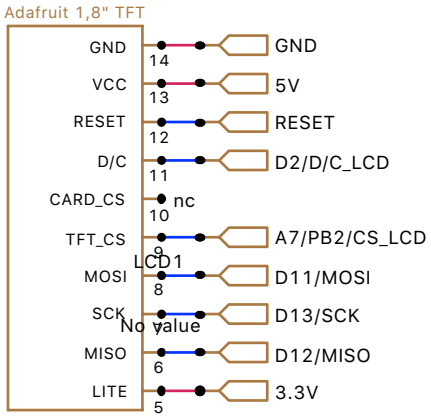




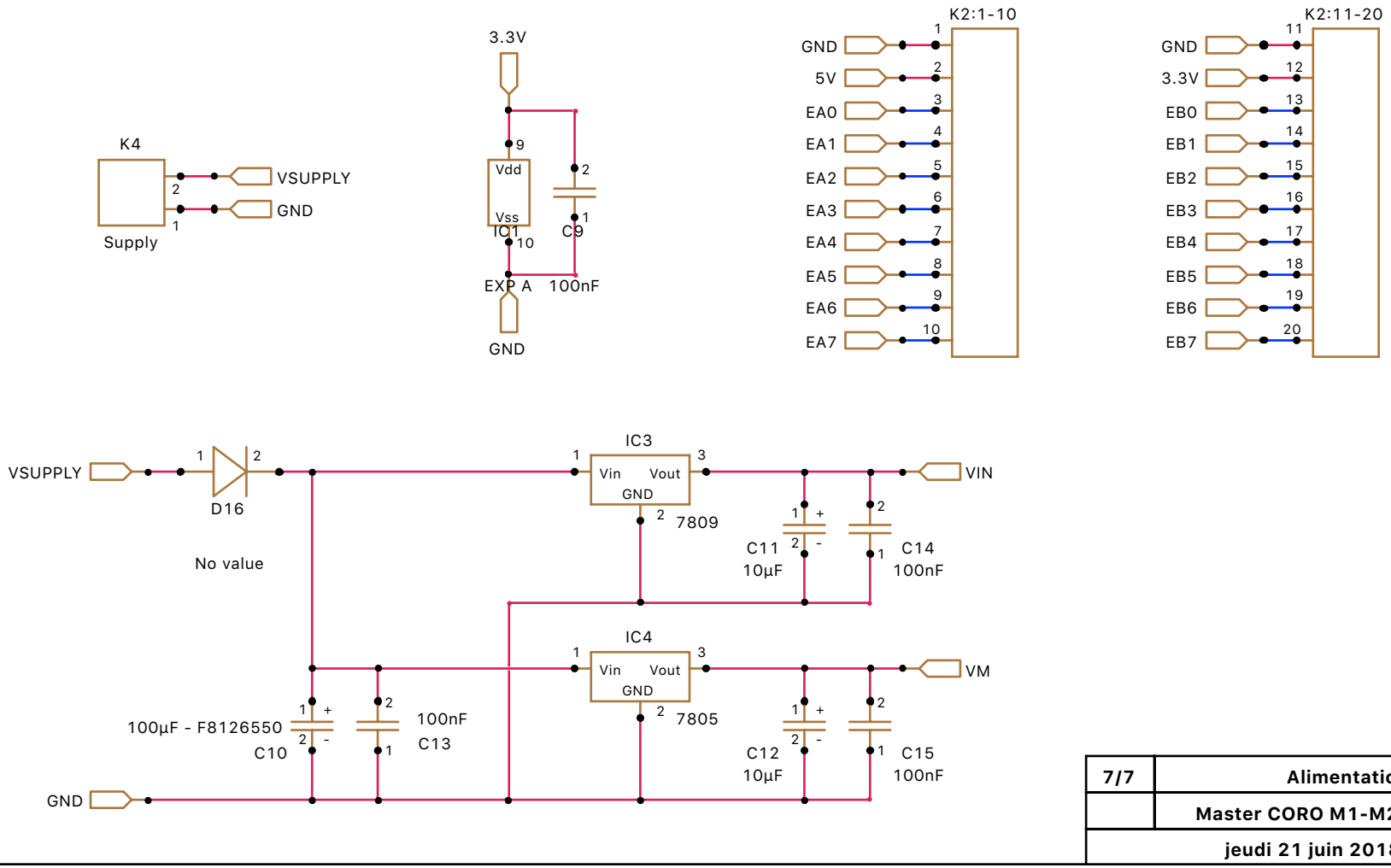
4/7	**ULN Moteur pas-à-pas**
	Master CORO M1-M2 Lab board
jeudi 21 juin 2018	



5/7	Encodeur et boutons
	Master CORO M1-M2 Lab board
jeudi 21 juin 2018	



6/7	LCD
	Master CORO M1-M2 Lab board
jeudi 21 juin 2018	


K4
VSUPPLY
GND
Supply
2
1
3.3V
9
Vdd
Vss
IC1
10
EXP A
GND
2
1
C9
100nF
K2:1-10
GND
5V
EA0
EA1
EA2
EA3
EA4
EA5
EA6
EA7
1
2
3
4
5
6
7
8
9
10
K2:11-20
GND
3.3V
EB0
EB1
EB2
EB3
EB4
EB5
EB6
EB7
11
12
13
14
15
16
17
18
19
20
VSUPPLY
1
2
D16
No value
IC3
Vin
Vout
GND
7809
VIN
C11
10µF
C14
100nF
IC4
7805
VM
C12
10µF
C15
100nF
100µF - F8126550
C10
100nF
C13
GND
7/7
Alimentation
Master CORO M1-M2 Lab board
jeudi 21 juin 2018