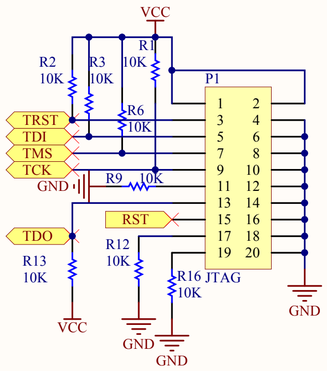
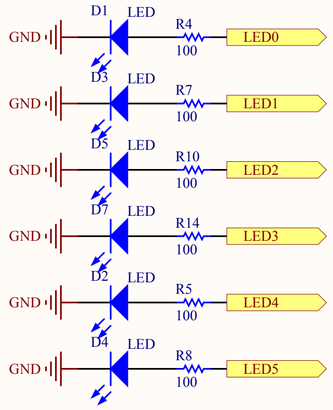
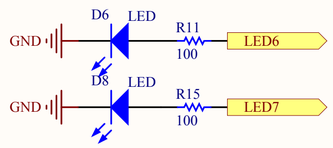
Connecteur JTAG

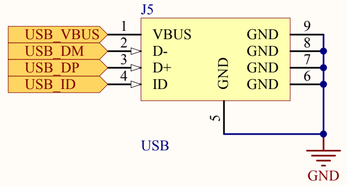


LEDs

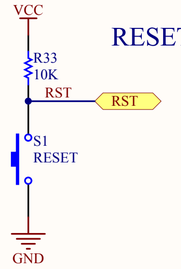




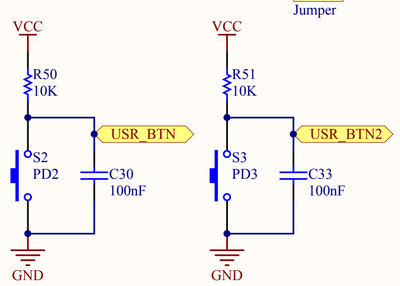
USB



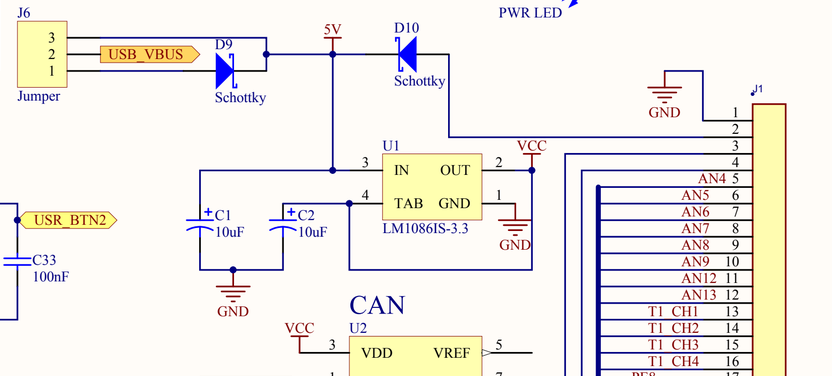
RESET



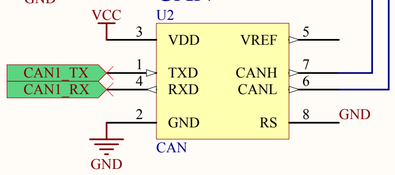
5V: Host (H)
DIODE: Slave (S)



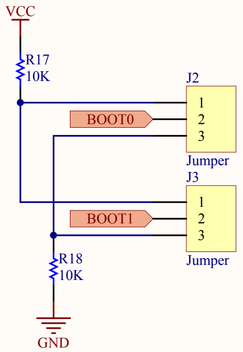
Alimentation



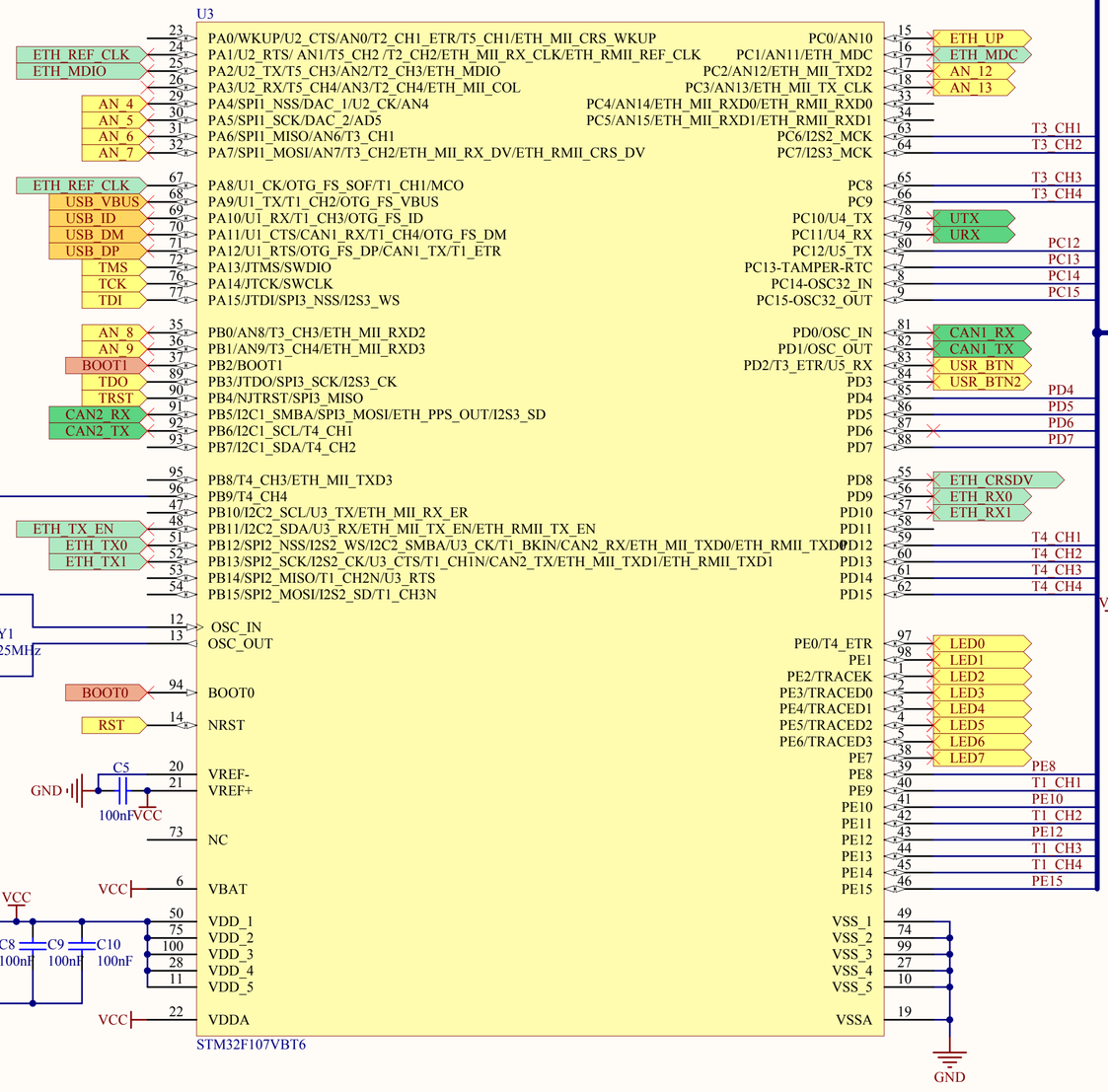
CAN

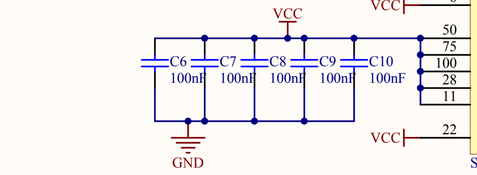


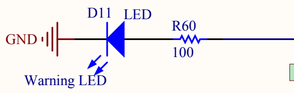
Configuration de boot

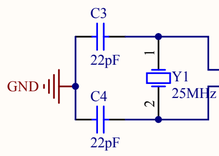


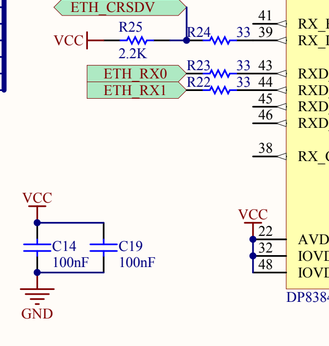
B1 B0 Boot device
x 0 Main Flash
0 1 System memory
1 1 Embedded SRAM

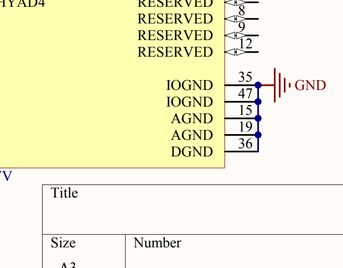


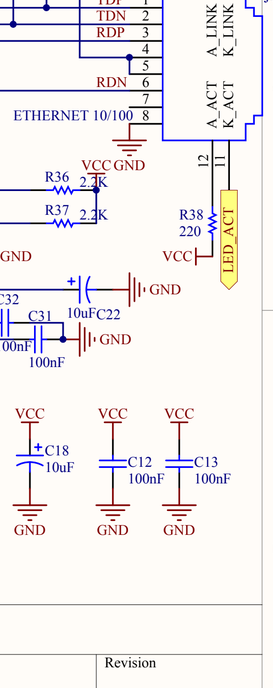






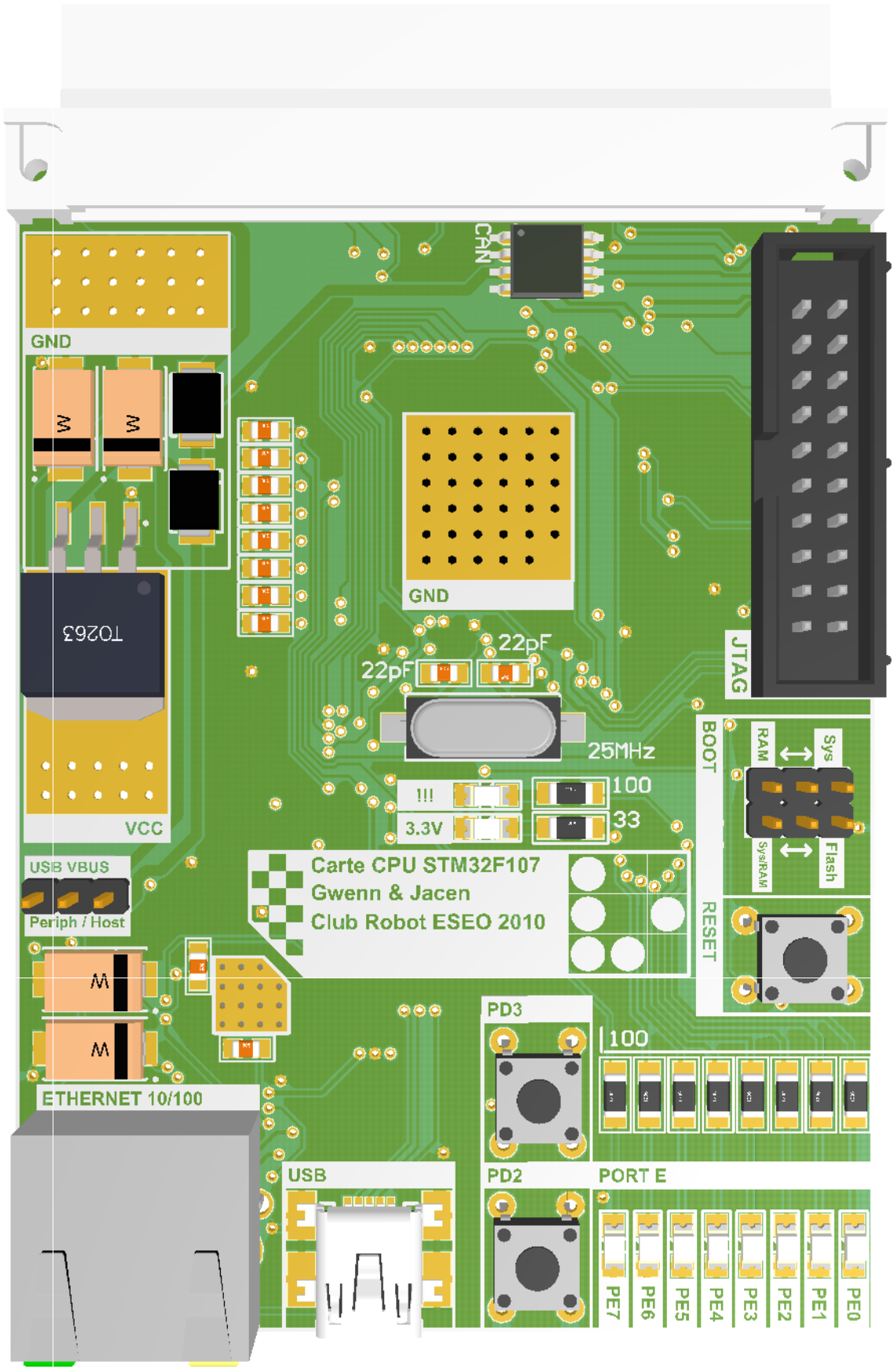


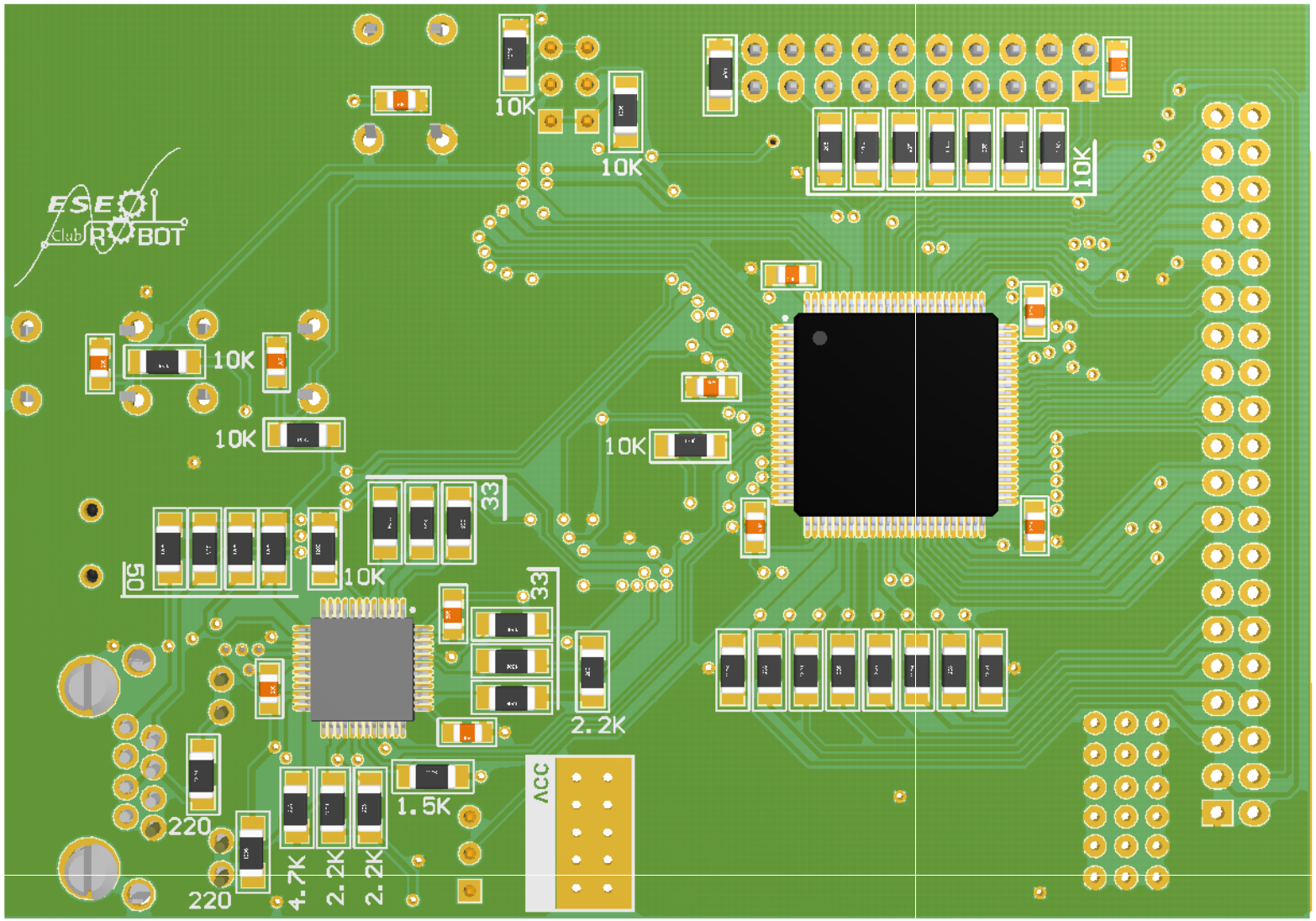




Ethernet

Title		
Size A3	Number	Revision
Date: 25/05/2010		Sheet of
File: D:\Robot\..\STM32_Schema.SchDoc		Drawn By:


GND
CAN
JTAG
GND
22pF
22pF
25MHz
!!!
3.3V
100
33
BOOT
RAM
Sys
SysRAM
Flash
RESET
VCC
TO263
USB VBUS
Periph / Host
Carte CPU STM32F107
Gwenn & Jacen
Club Robot ESEO 2010
PD3
100
ETHERNET 10/100
USB
PD2
PORT E
PE7
PE6
PE5
PE4
PE3
PE2
PE1
PE0


ESEO
Club ROBOT
10K
10K
10K
10K
10K
10K
33
33
50
2.2K
1.5K
220
220
4.7K
2.2K
2.2K
ACC

Designator	Comment	Description	Quantity
C1, C2, C18, C22	10uF	Polarized Capacitor (Surface Mount)	4
C3, C4	22pF	Capacitor	2
C5, C6, C7, C8, C9, C10, C12, C13, C14, C19, C30, C31, C32, C33, C40, C41, C42, C43, C44, C45, C46, C47	100nF	Capacitor (Semiconductor SIM Model)	22
D1, D2, D3, D4, D5, D6, D7, D8, D11, D12	LED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	10
D9, D10	Schottky	Schottky Diode	2
J1	Extension		1
J2, J3, J6	Jumper	Header, 3-Pin	3
J4	ETHERNET 10/100	2-406549-1 (Tyco)	1
J5	USB	USB 1.1, Right Angle, SMT, A Type, Receptacle, 4 Position, White	1
P1	JTAG	Header, 10-Pin, Dual row	1
R1, R2, R3, R6, R9, R12, R13, R16, R17, R18, R26, R33, R50, R51	10K	Resistor, Semiconductor Resistor	14
R4, R5, R7, R8, R10, R11, R14, R15, R40, R41, R42, R43, R44, R45, R46, R47, R60	100	Resistor, Semiconductor Resistor	17
R19, R20, R21, R22, R23, R24, R61	33	Resistor	7
R25, R36, R37	2.2K	Resistor	3
R27	1.5K	Resistor	1
R28, R29, R30, R31	50	Resistor	4
R32	4.7K	Resistor	1
R38, R39	220	Resistor	2
S1	RESET	Switch	1
S2	PD2	Switch	1
S3	PD3	Switch	1
U1	LM1086IS-3.3	VCC	1
U2	CAN	High Speed Can Transceiver	1
U3	STM32F107VBT6	STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 100-pin LQFP, Industrial Temperature	1
U4	DP83848CVV	PHYTER® Commercial Temperature Single Port 10/100 Mb/s Ethernet Physical Layer Transceiver	1
Y1	25MHz	Crystal Oscillator	1