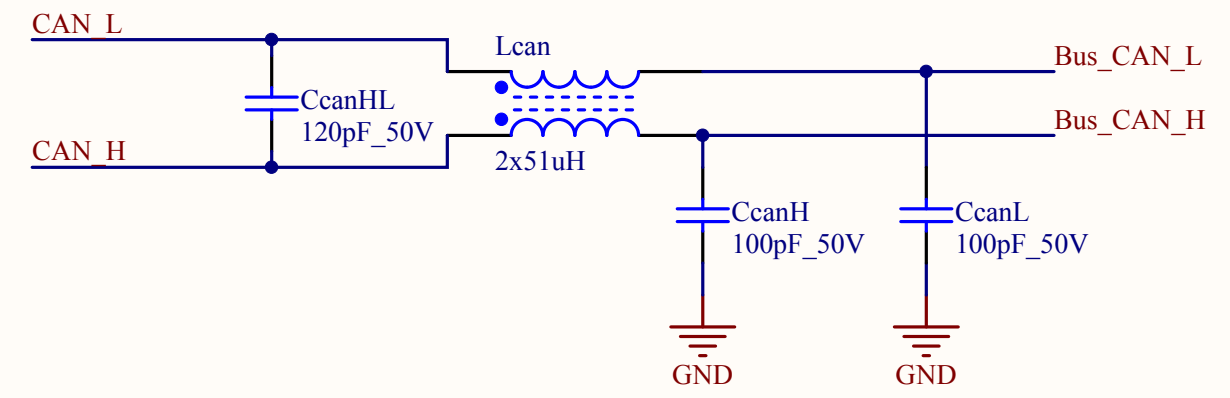


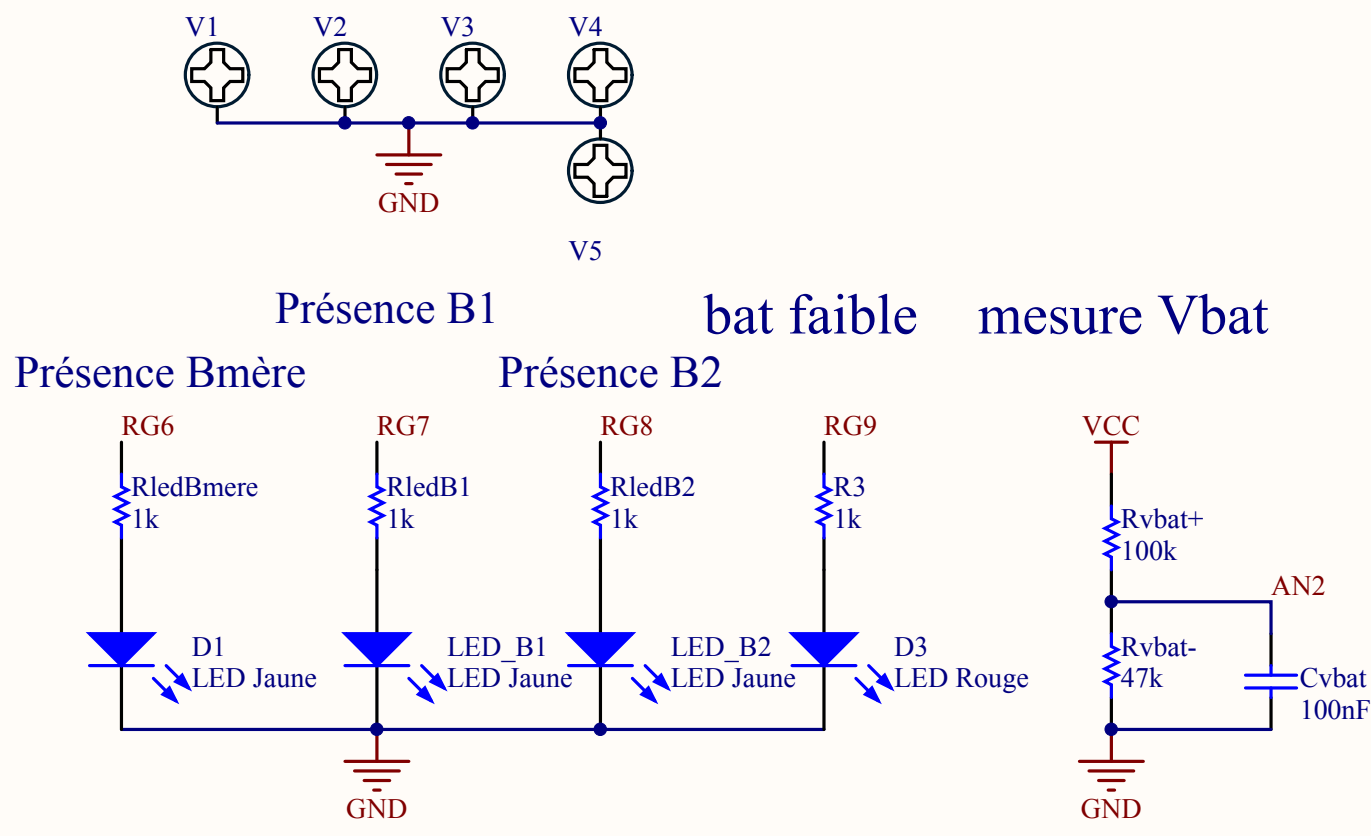
A



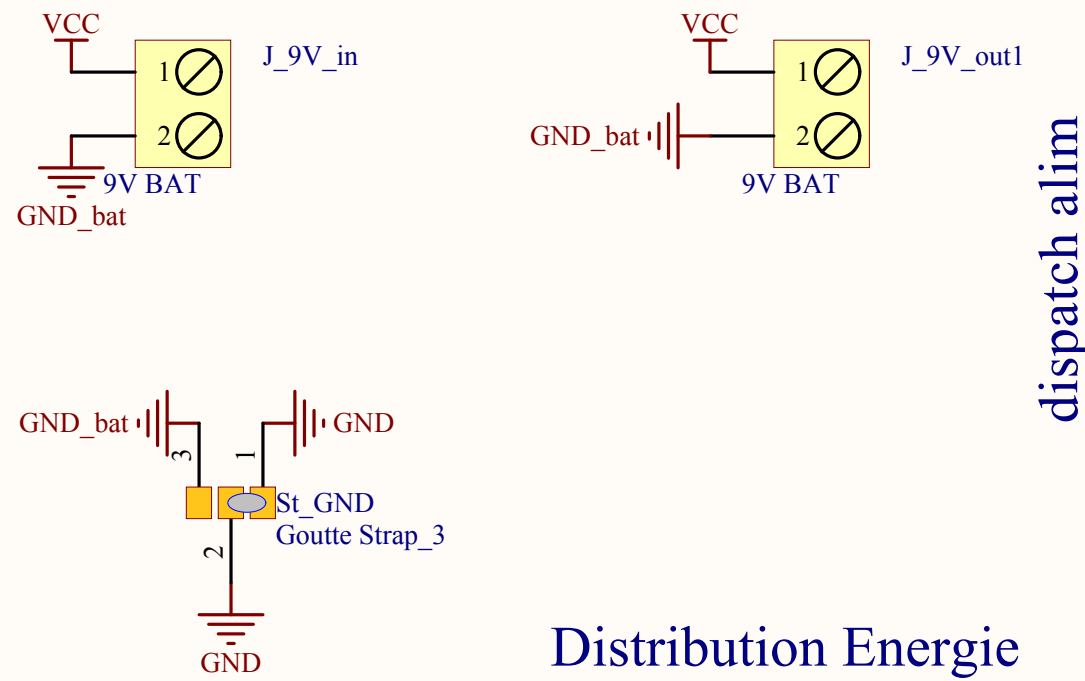
pas de Bouchons CAN (on est au milieu du bus)

A

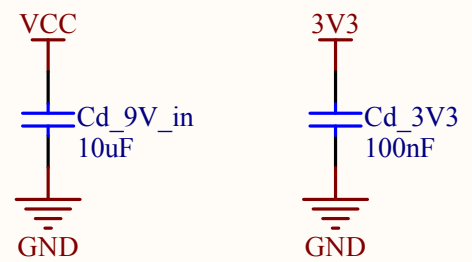
B



Connection partie alimentation

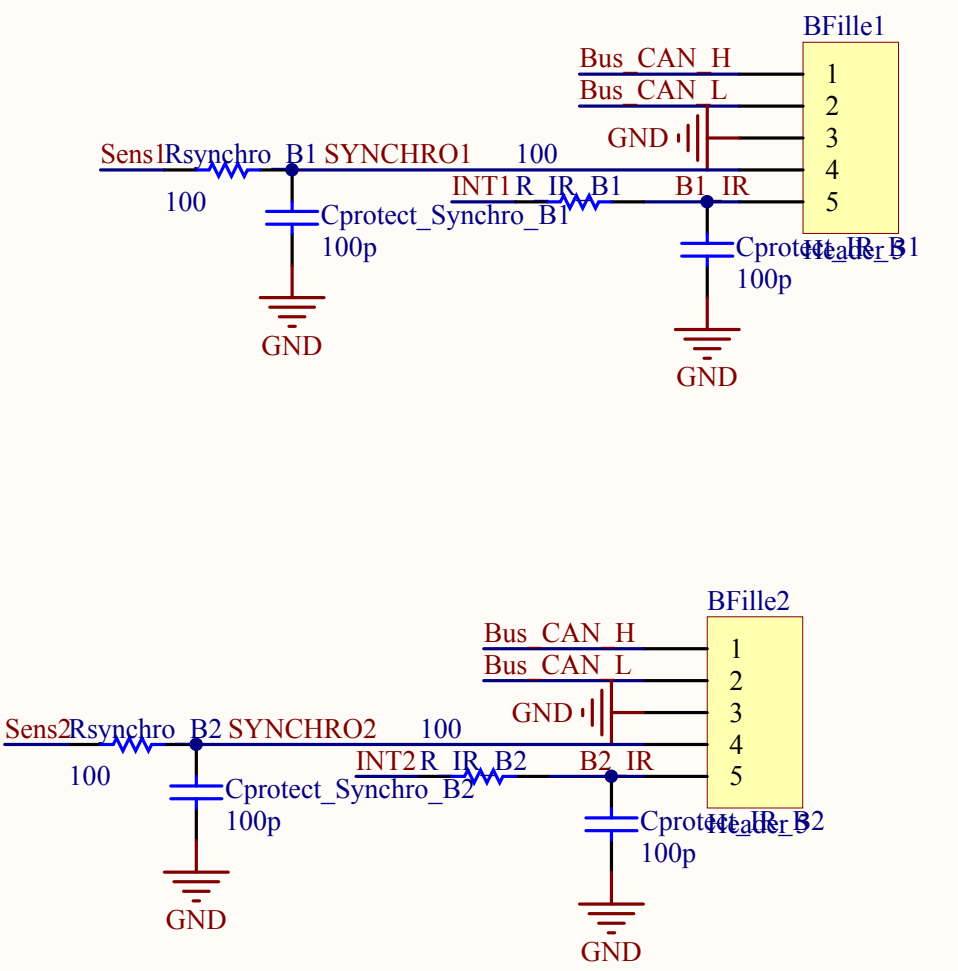


Distribution Energie

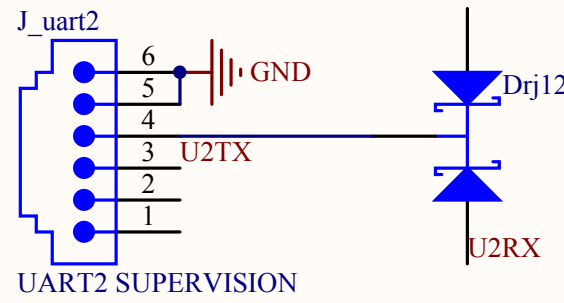


Connecteurs 5 voies 3.5mm 1761536 et 1761553  
CANL, CANH, GND, Synchro, IR

connectique venant des balises filles (Synchro US + signaux IR)

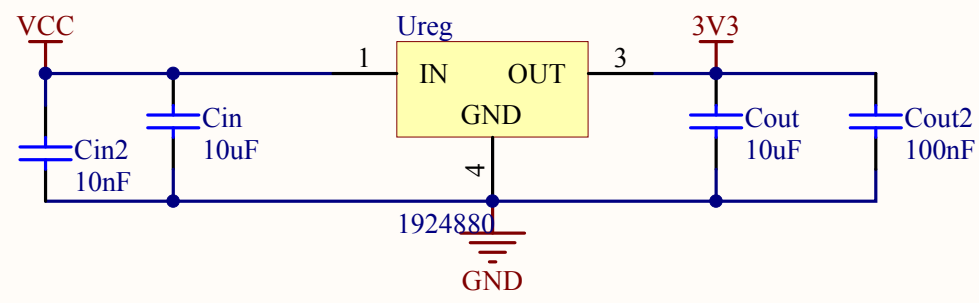


XBee Pro

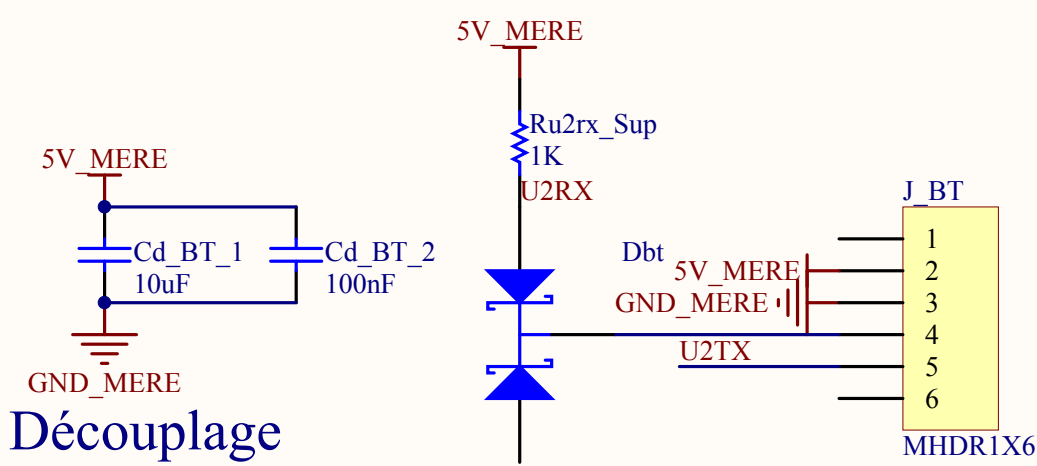


Accès UART2 sur RJ12... (et diodes pr choix...) + bluetooth ???

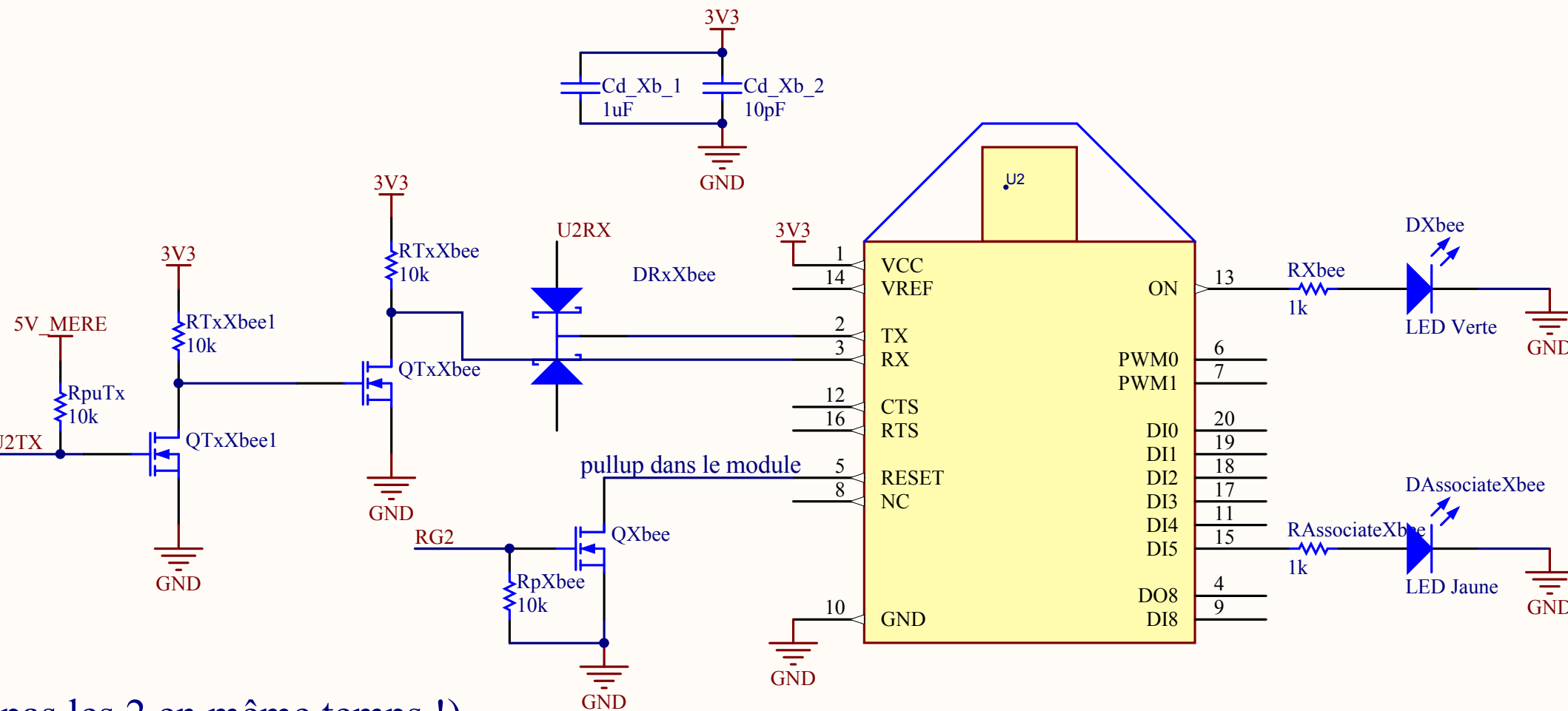
ATTENTION, keep out metal area, datasheet xbee pro p.10



Module Bluetooth

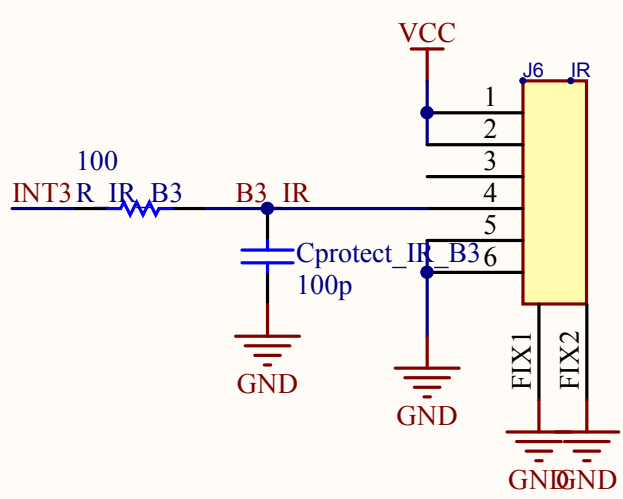
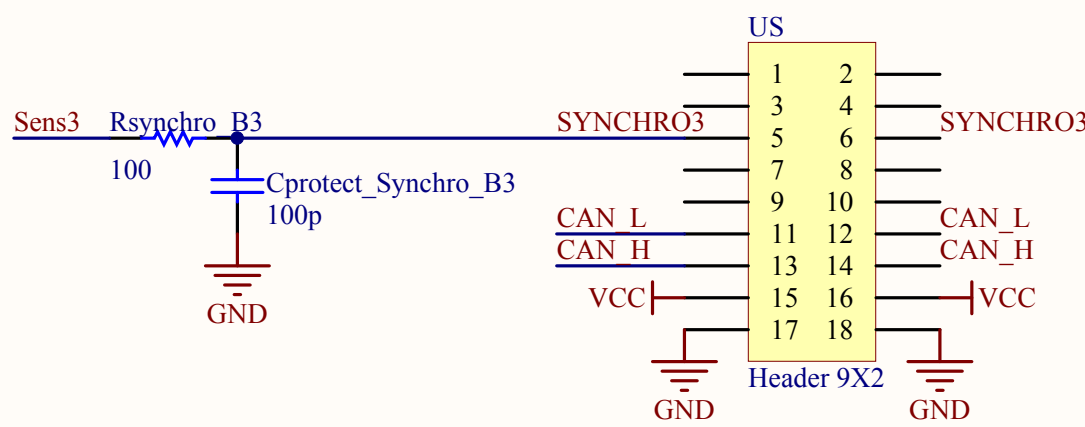
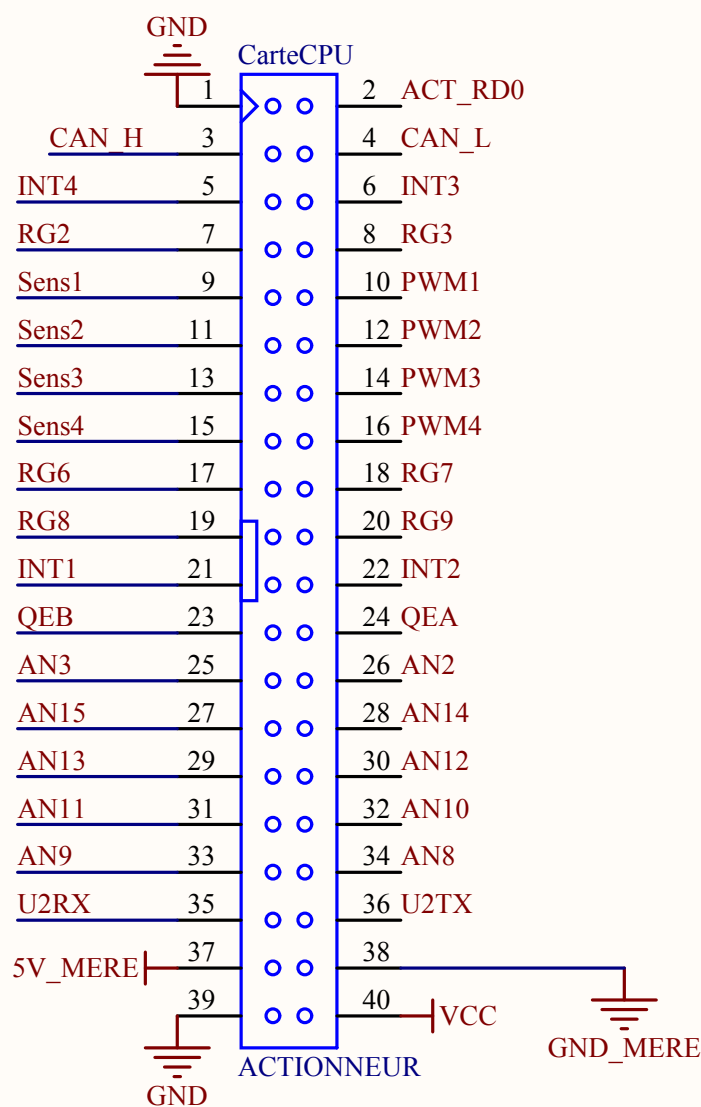


Découplage



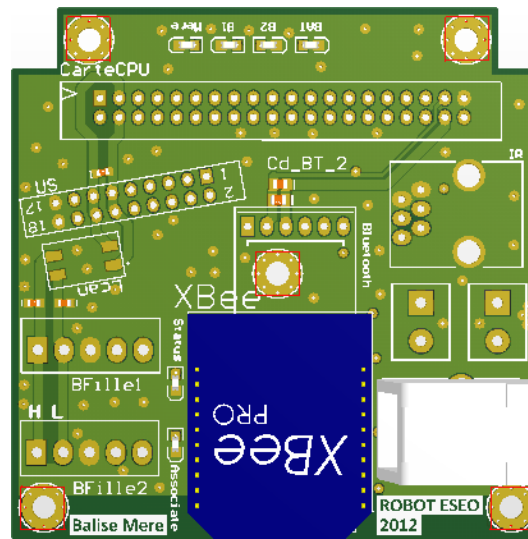
Câblage du Bluetooth OU du XBee (pas les 2 en même temps !)

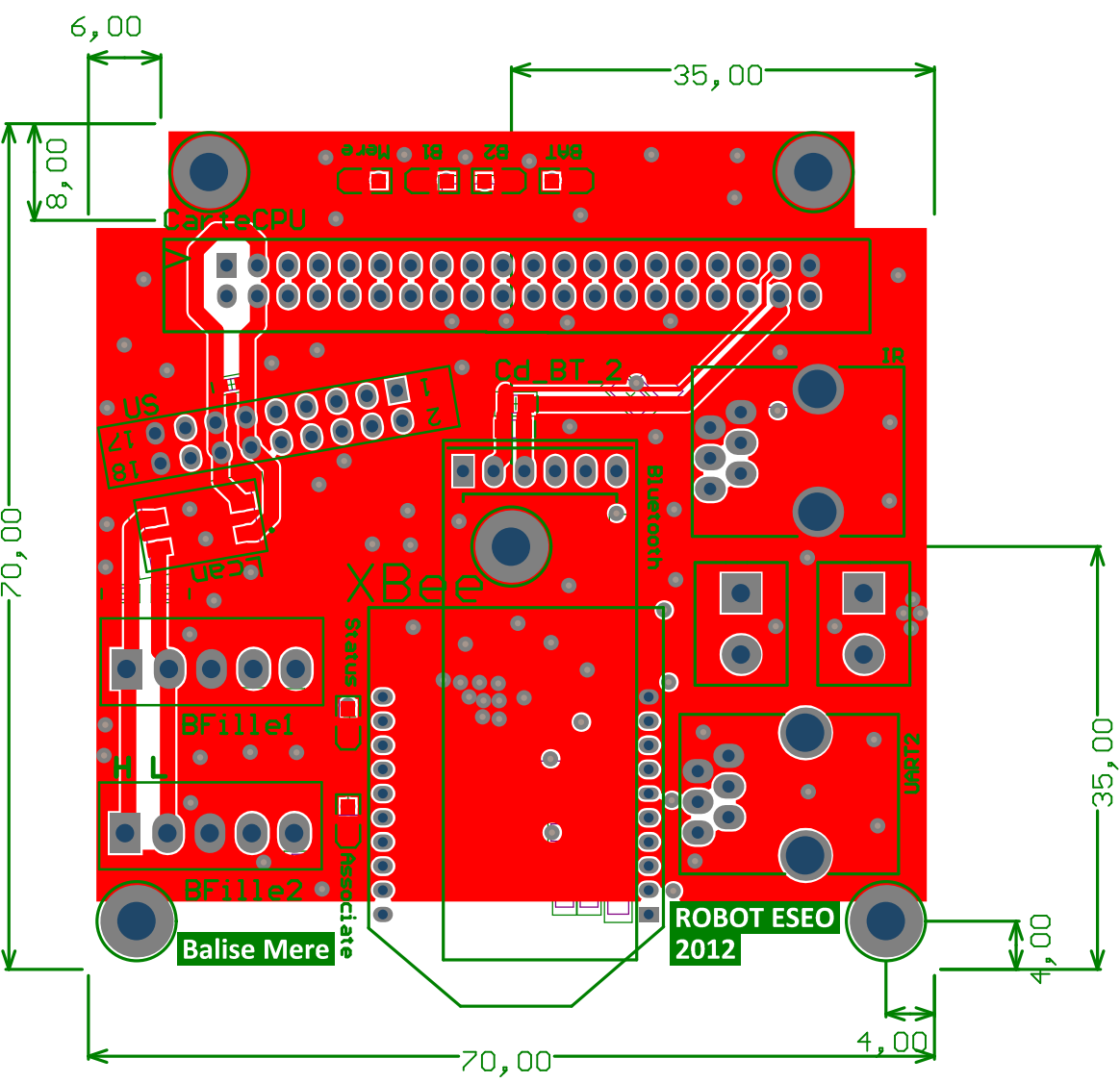
BALISE MERE

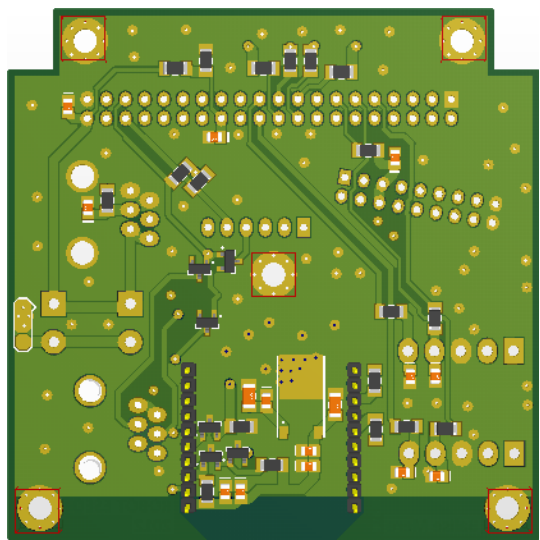


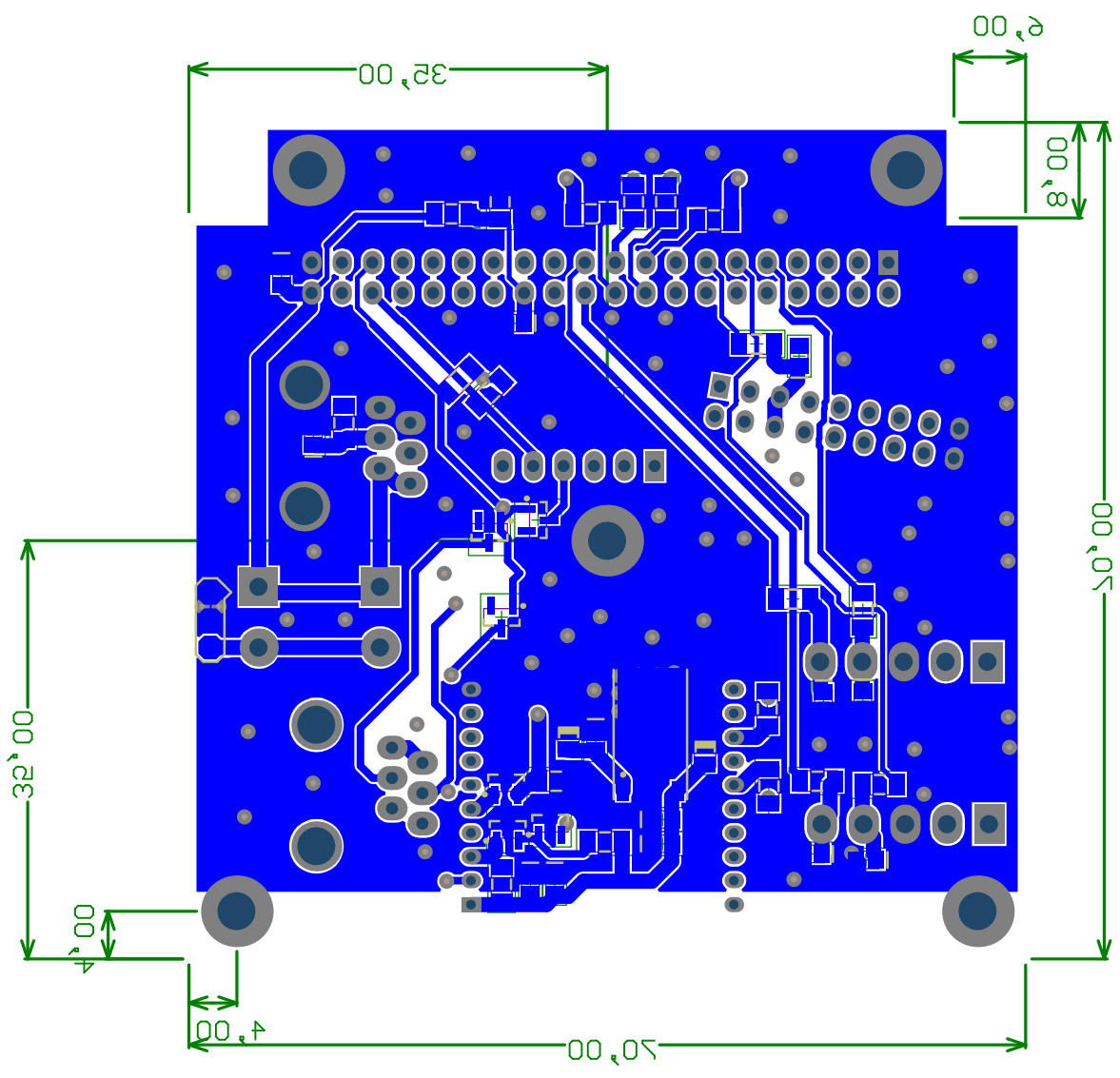
Title		
Size A2	Number	Revision
Date: 19/01/2012	Sheet of	
File: M:\_ROBOT\...2012 fdp_balise_mere_Sch	Drawn By:	

D









Designator	Description	Comment	Footprint	Quantity
BFile1, BFile2	Header, 5-Pin	Header 5	BORNIER_5V_3.5M	2
CarteCPU	Connector; HE10; 4 Position; Male	ACTIONNEUR	HE10/40_MAL_DR0 T-FDP-ROBOT	1
CcanH, CcanL	Capacitor	100pF_50V	C0603_N	2
CcanHL	Capacitor	120pF_50V	C0603_N	1
Cd_3V3, Cd_BT_2, Cout2, Cvat	Capacitor	100nF	C0805_N	4
Cd_9V_in, Cd_BT_1	Capacitor	10uF	C0805_N	2
Cd_Xb_1	Capacitor	1uF	C0805_N	1
Cd_Xb_2	Capacitor	10pF	C0805_N	1
Cin, Cout	Capacitor	10uF	C1206_N	2
Cin2	Capacitor	10nF	C0805_N	1
Cprotect_IR_B1, Cprotect_IR_B2, Cprotect_IR_B3, Cprotect_Synchro_E 1, Cprotect_Synchro_E 2, Cprotect_Synchro_E 3	Capacitor	100p	C0805_N	6
D1, DAssociateXbee LED_B1, LED_B2	Typical LED	LED Jaune	LED_0805	4
D3	Typical LED	LED Rouge	LED_0805	1
Dbt, Drj12, DRxXbee	DIODE SCHOTTKY DOUBLE	Diode Shottky doubl BAT54C	SOT23-3N	3
DXbee	Typical LED	LED Verte	LED_0805	1
J6		IR	RJ11_6/6 - droit	1
J_9V_in, J_9V_out1	Terminal blocks, 2 pins, pitch=5mm	9V BAT	BORNIER2	2
J_BT	Header, 6-Pin	MHDR1X6	HE14_6	1

J_9V_in, J_9V_out1	pins, pitch=5mm	9V BAT	BORNIER2	2
J_BT	Header, 6-Pin	MHDR1X6	HE14_6	1
J_uart2	Right Angle, Standard Profile, Offset Latch DECconnect, Flangeless PCB Jack	UART2 SUPERVISION	RJ11_6/6	1
Lcan	Self de mode commun, Wurth Elektronik, WE-SL2	2x51uH	Self de mode commun Wurth Elektronik WE-SL2	1
Q1xXbee, Q1xXbee QXbee	N-Channel MOSFET	Transistor MOSFET	SOT23-3N	3
R3, RAssociateXbee, RledB1, RledB2, RledBmere, Ru2rx_Sup, RXbee	Resistor	1k	R1206_N	7
R_IR_B1, R_IR_B2, R_IR_B3, Rsynchro_B1, Rsynchro_B2, Rsynchro_B3	Resistor	100	R1206_N	6
RpuTx, RpXbee, RTxXbee, RTxXbee	Resistor	10k	R1206_N	4
Rvbat+	Resistor	100k	R1206_N	1
Rvbat-	Resistor	47k	R1206_N	1
St_GND	Goutte Strap_3	Goutte Strap_3	Goutte Strap_3	1
U2		XBee	MODULE_XBEE	1
Ureg	Three-Terminal Positive Voltage Regulator	1924880	369A-13	1
US	Header, 9-Pin, Dual row	Header 9X2	HDR2X9	1
V1, V2, V3, V4, V5	Vis MB X 6mm_TORX	Pad_M3	M3x6mm	5