

A

B

C

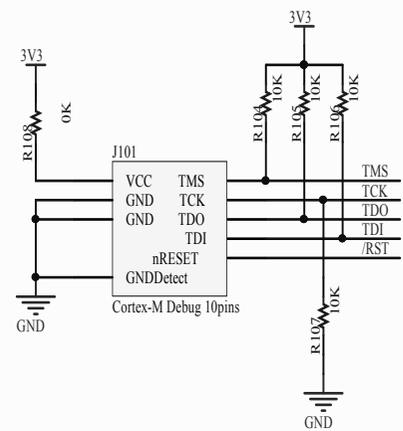
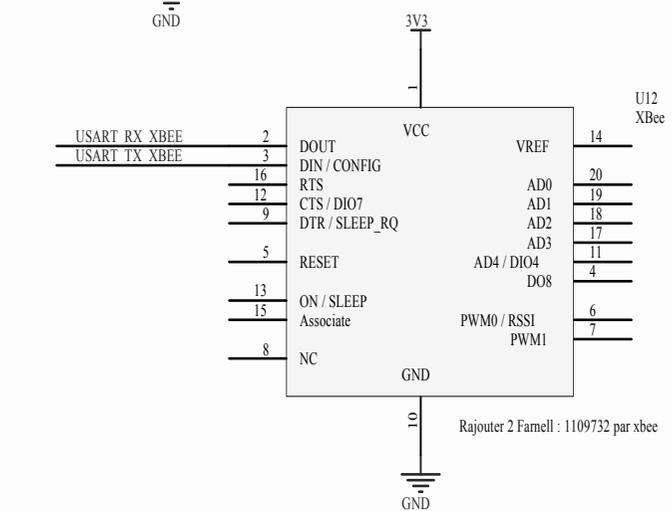
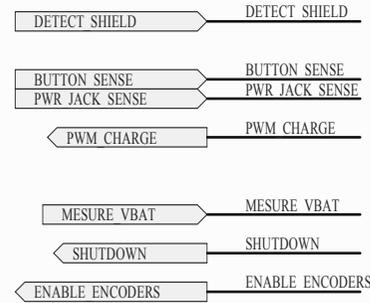
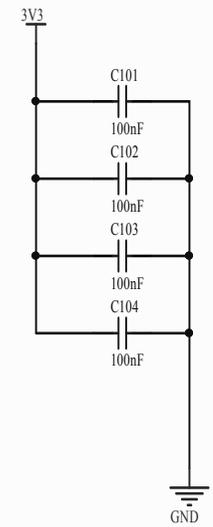
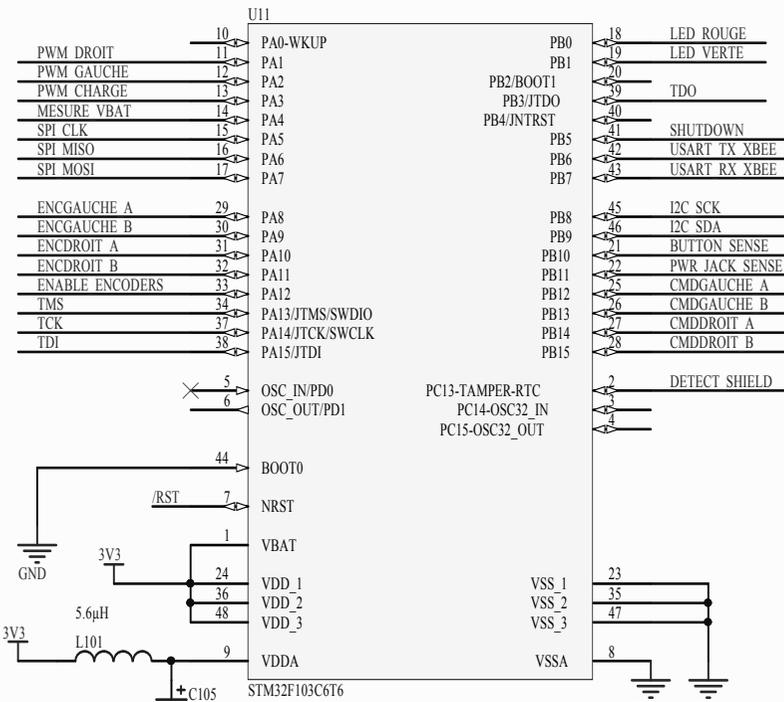
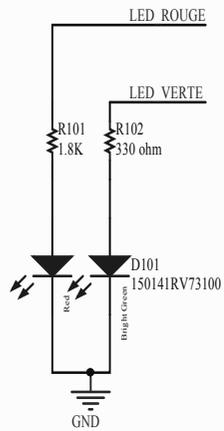
D

A

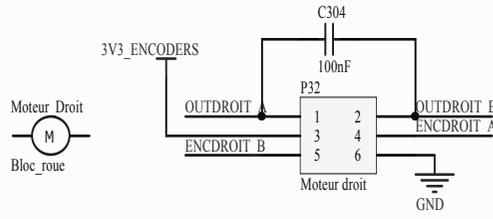
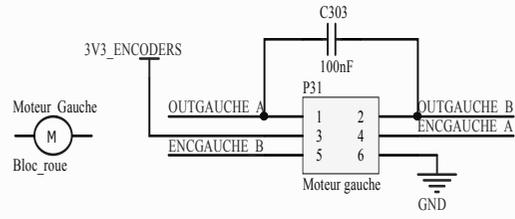
B

C

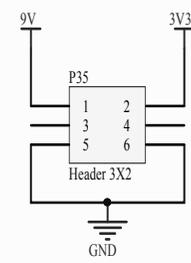
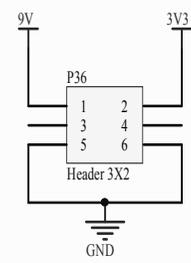
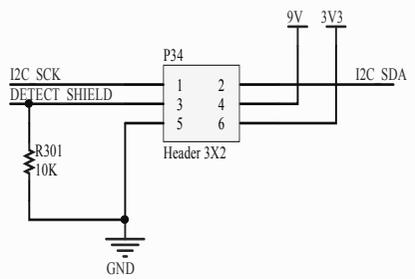
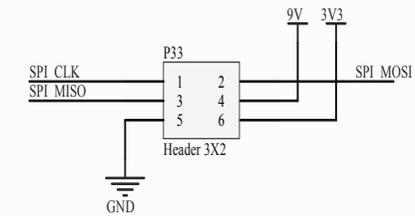
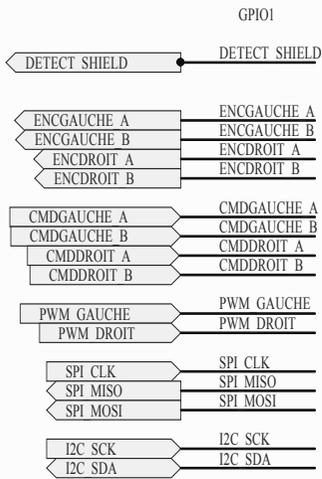
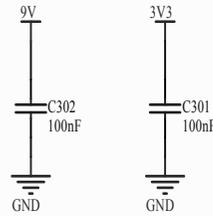
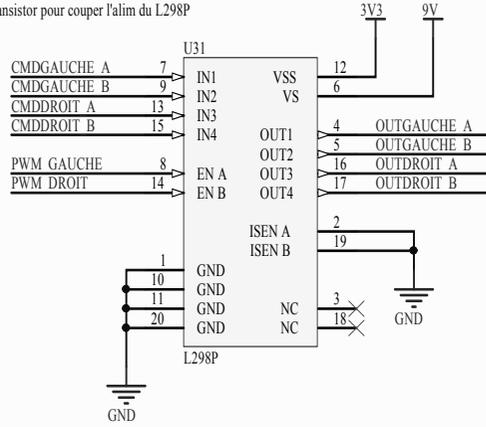
D



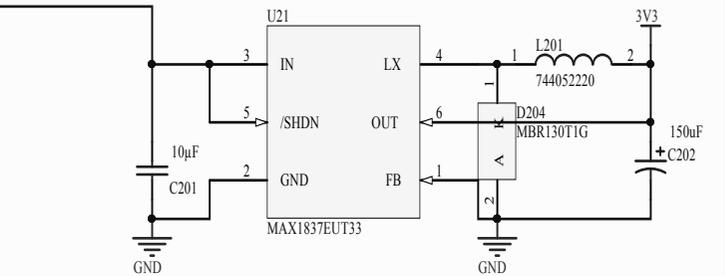
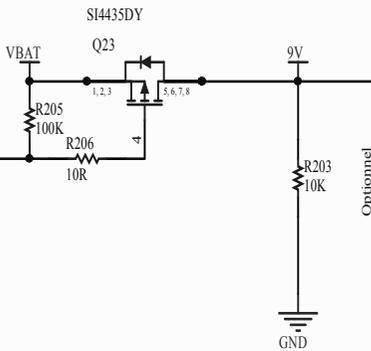
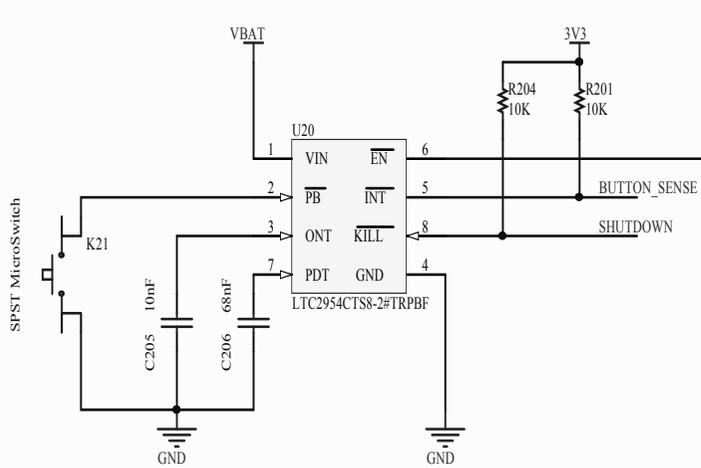
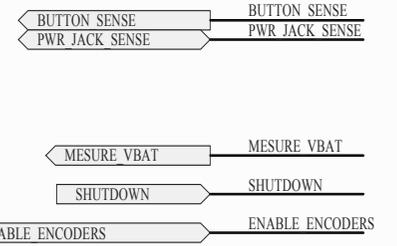
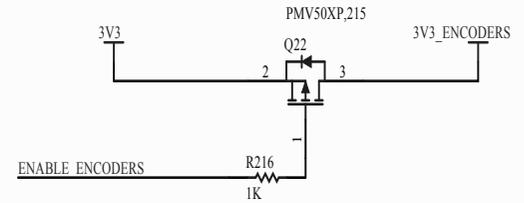
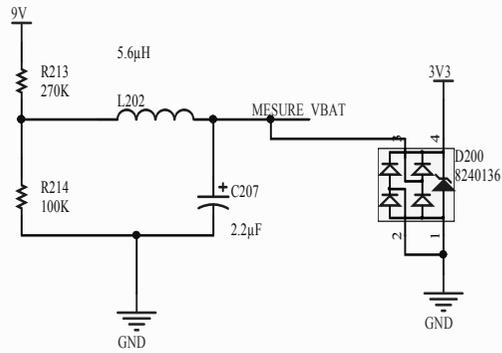
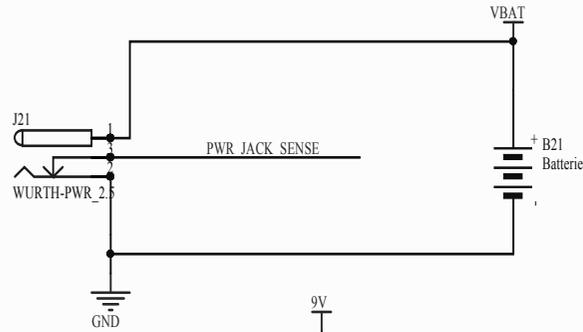
Title		
Size A4	Number	Revision
Date:	15/06/2017	Sheet of
File:	D:\Users\cpu.SchDoc	Drawn By:



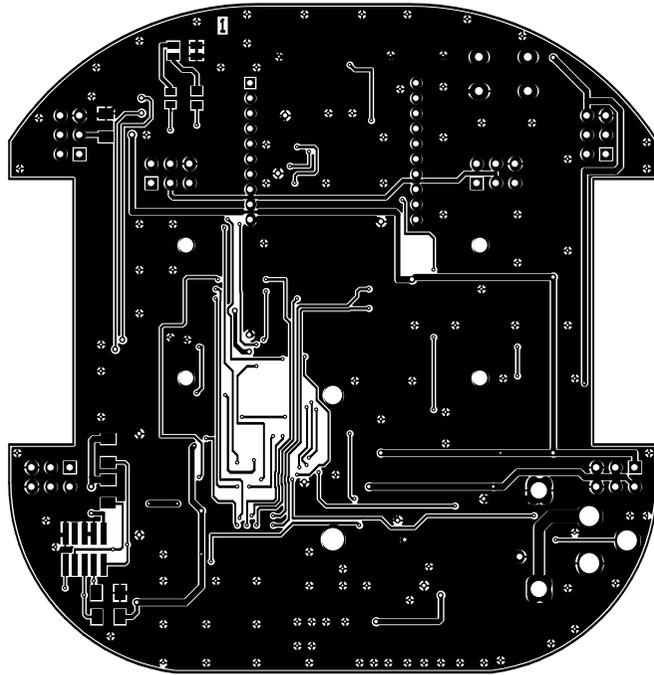
TODO: Penser a rajouter un transistor pour couper l'alim du L298P

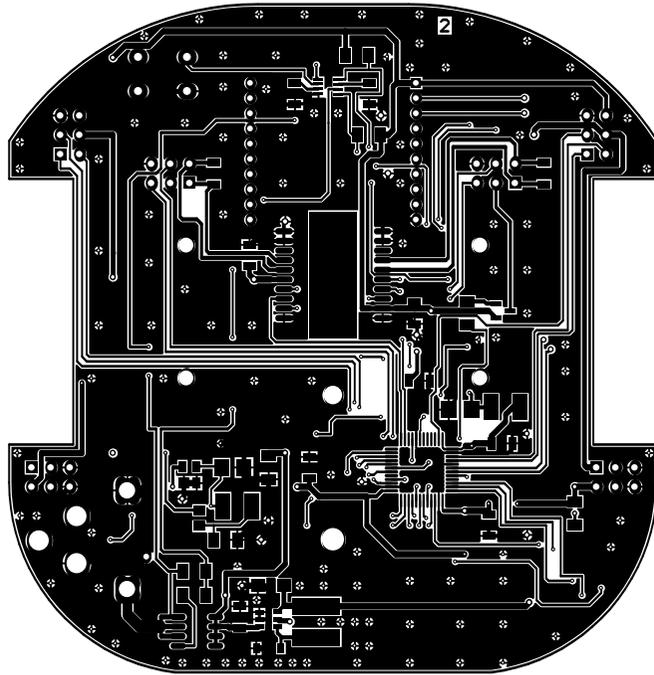


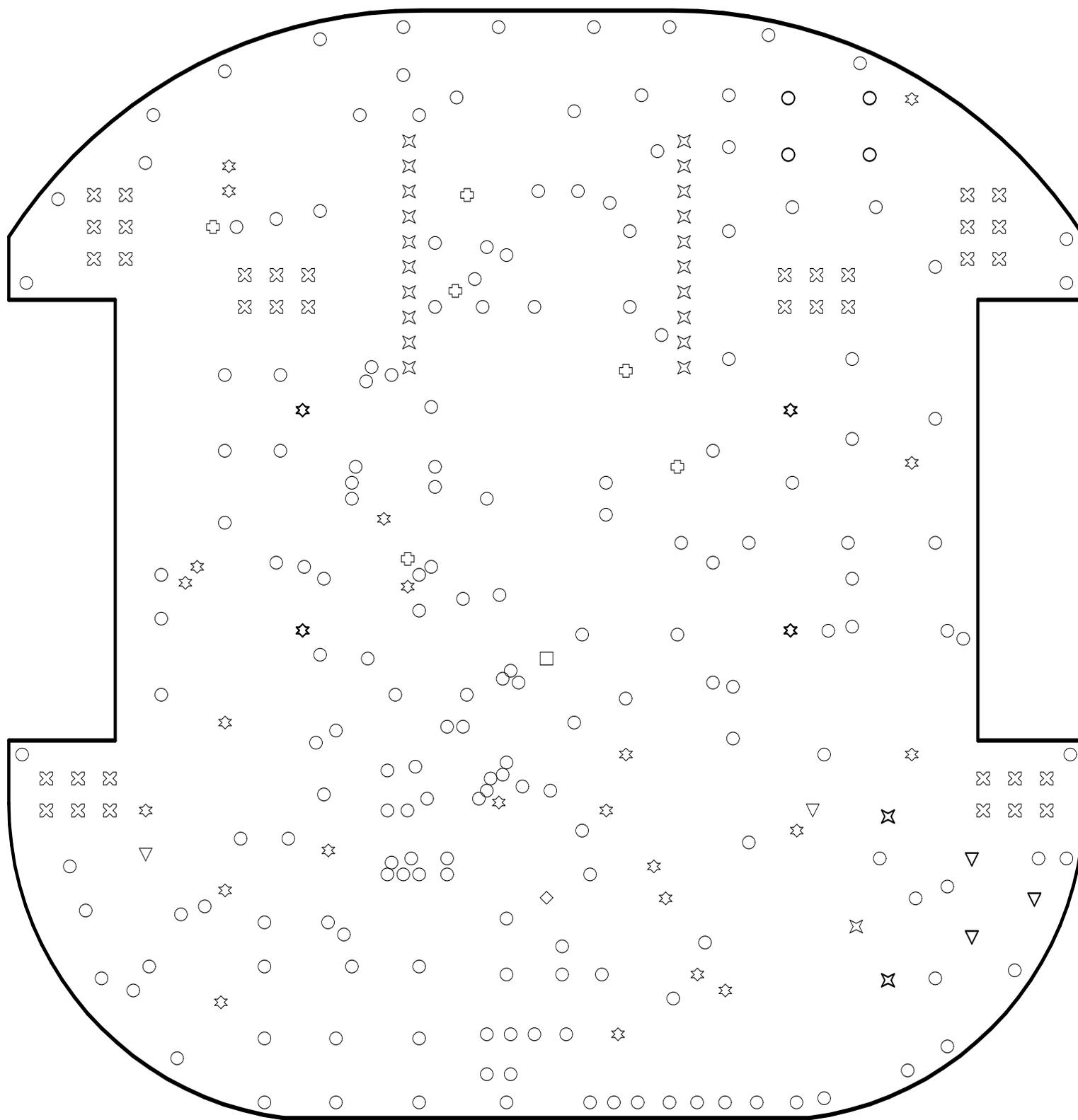
Title		
Size A4	Number	Revision
Date: 15/06/2017	Sheet of	
File: D:\Users\...\Mecanique.SchDoc	Drawn By:	

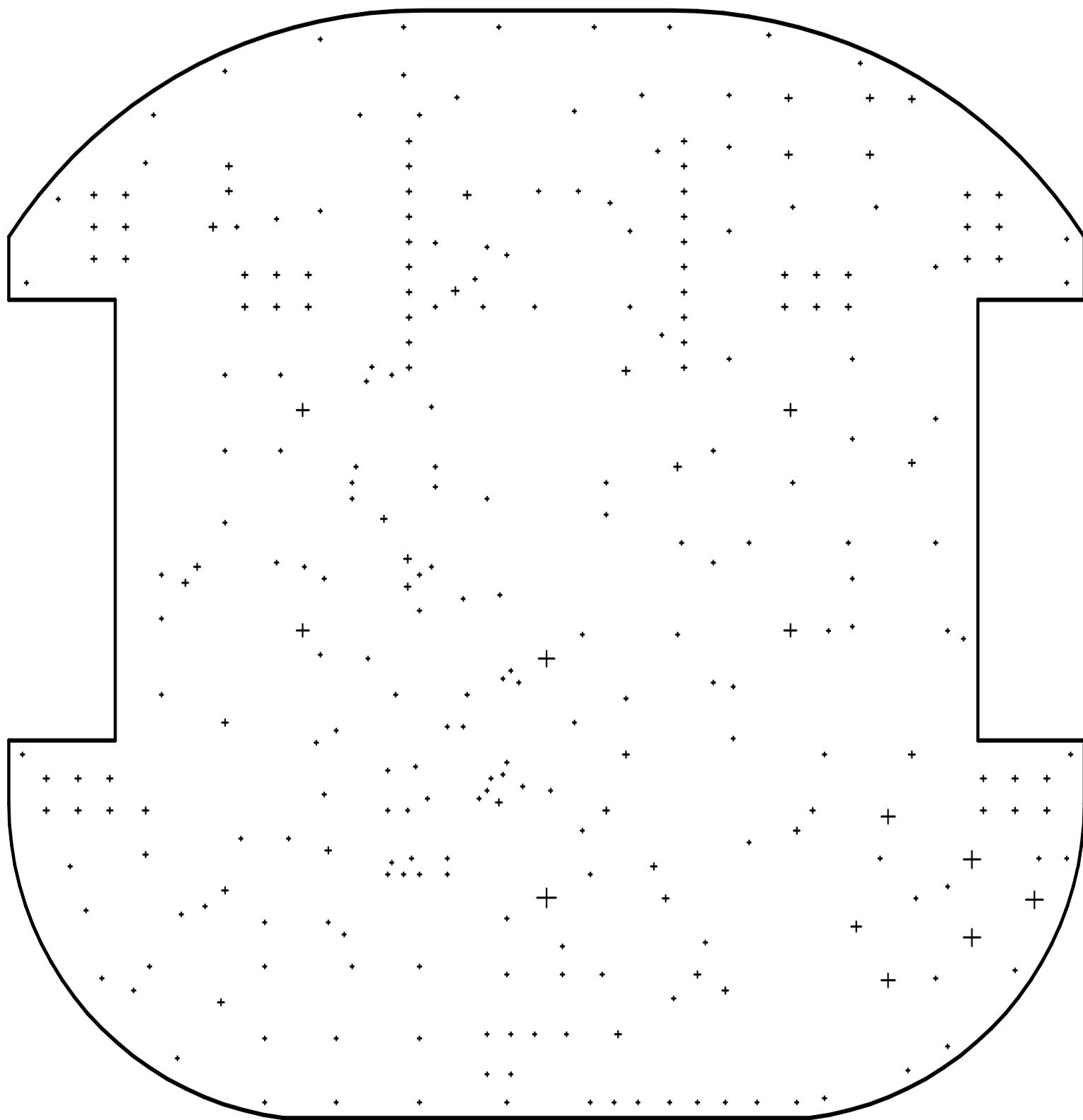


Title		
Size A4	Number	Revision
Date: 15/06/2017	Sheet of	
File: D:\Users\...\Power.SchDoc	Drawn By:	













Designator	Description	Quantity	Distributeur	Value
B21	Keystone 1294	1	Radiospares: 172-5845 / Farnell: 1650674	
C101, C102, C103, C104, C301, C302, C303, C304	CAP 100nF 50V ±10% 1206 (3216 Metric) Thickness 1.7mm SMD	8		100nF
C105, C207	Solid Tantalum Chip Capacitor, Standard T491 Series - Industrial Grade	2		2.2µF
C201	CAP 10µF 25V ±10% 1206 (3216 Metric) Thickness 1mm SMD	1	Farnell : 2497120	10µF
C202	CAP Tantalum, Body B, 150µF / 6.3V	1	Farnell : 2491485	150µF
C205	CAP 100nF 50V ±10% 1206 (3216 Metric) Thickness 1.7mm SMD	1	Farnell : 1856586	10nF
C206	CAP 100nF 50V ±10% 1206 (3216 Metric) Thickness 1.7mm SMD	1	Farnell : 2497117	68nF
D101	SMD Bi-Color Top LED, WL-SBTW, Red & Bright Green	1	Farnell : 2322113	
D200	TVS Diode WE-TVS-HS, VRWM=3.3V	1		
D204	Schottky Power Rectifier, 2-Pin SOD-123, Pb-Free, Tape and Reel	1	Farnell : 1431045	
J21	Low Voltage Power Supply Connector	1	Farnell : 2472153	
J101		1	Farnell : 1667729	
K21	SPST - MicroSwitch	1	Farnell: 2435161	
L101, L202	Inductor SMD	2		5.6µH
L201	SMD Shielded Tiny Power Inductor WE-TPC, L = 22.0 µH	1	Farnell : 1635855	
Moteur_Droit, Moteur_Gauche		2		
P31	Header, 3-Pin, Dual row	1	Farnell : 1022231	
P32	Header, 3-Pin, Dual row	1	Farnell : 1022231	
P33, P34, P35, P36	Header, 3-Pin, Dual row	4	Farnell : 1022231	
Q22	Single P-Channel Trench MOSFET, -20 V, -55 to 150 degC, 3-Pin SOT23, Tape and Reel	1	Farnell : 2498580	
Q23	P-Channel 30V (D-S) Rated MOSFET	1		
R101	1K8 0.125W 5% 0805 (2012 Metric) SMD	1		1.8K
R102	330R 0.125W 5% 0805 (2012 Metric) SMD	1		330 ohm
R104, R105, R106, R107, R201, R203, R301	10K 0.25W 5% 1206 (3216 Metric) SMD	7		10K
R108	10K 0.25W 5% 1206 (3216 Metric) SMD	1		0K
R204	10K 0.25W 5% 1206 (3216 Metric) SMD	1		10K
R205	10K 0.25W 5% 1206 (3216 Metric) SMD	1		100K
R206	10K 0.25W 5% 1206 (3216 Metric) SMD	1		10R
R213	270K 0.125W 5% 0805 (2012 Metric) SMD	1		270K
R214	10K 0.25W 5% 1206 (3216 Metric) SMD	1		100K
R216	10K 0.25W 5% 1206 (3216 Metric) SMD	1		1K
U11	STM32 ARM-based 32-bit MCU with 32 Kbytes Flash, 48-pin LQFP, Industrial Temperature	1	Farnell : 1972391	
U12	Xbee RF transceiver from Digi	1		
U20	Pushbutton On / Off Controller with µP Interrupt, 8-pin SOT23 (TS8-8), 0 to 70 degC, Pb-Free, Tape and Reel	1		
U21		1	Farnell : 2514159	
U31	Dual Full Bridge Driver	1	Radiospares : 880-5308	