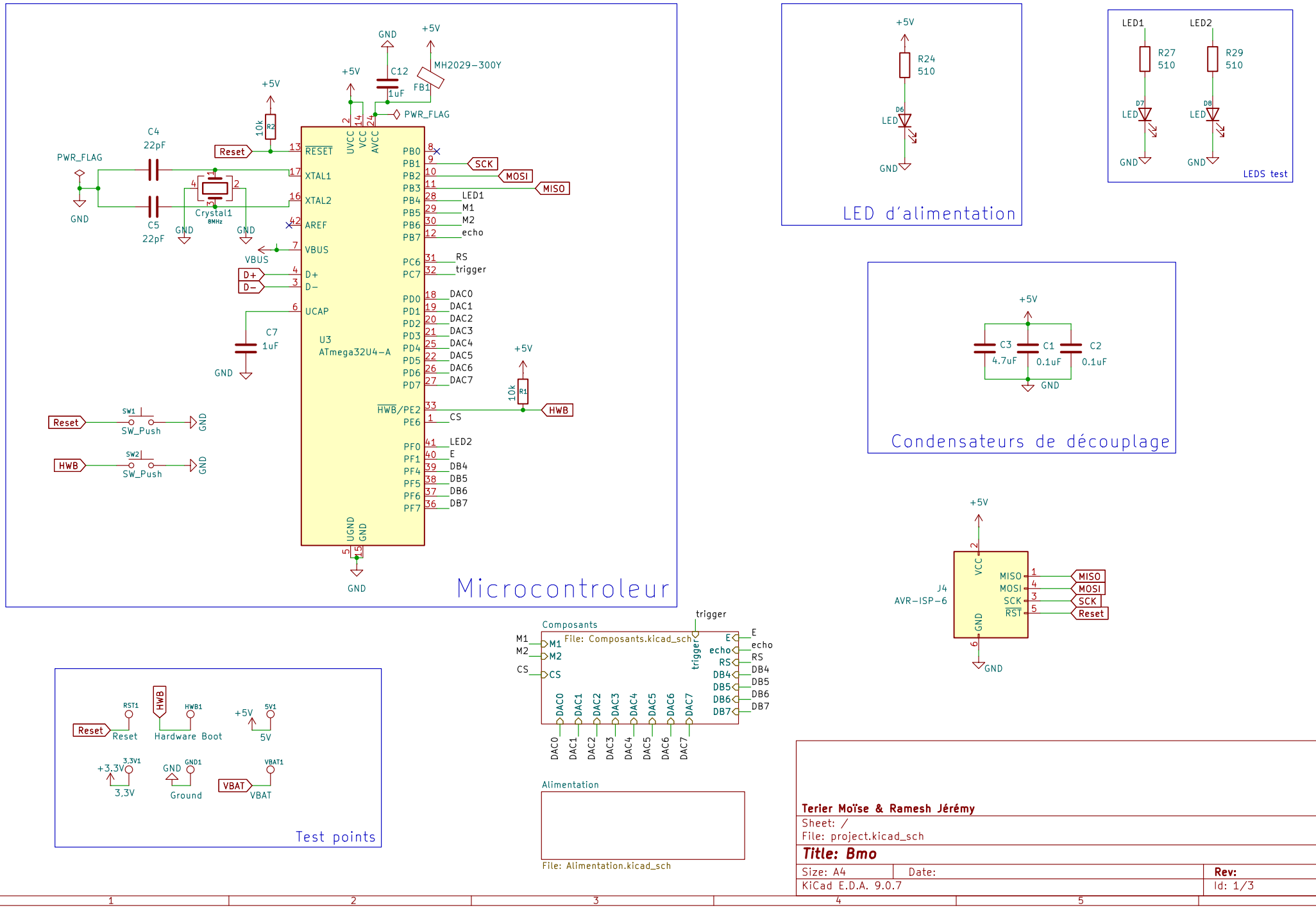
Microcontroleur
U3
ATmega32U4-A
C4
22pF
C5
22pF
Crystal1
8MHz
C7
1uF
C12
1uF
MH2029-300Y
FB1
PWR_FLAG
Reset
SW1
SW_Push
HWB
SW2
SW_Push
VBUS
D+
D-
UCAP
AREF
XTAL1
XTAL2
RESET
UVCC
VCC
AVCC
UGND
GND
+5V
10k
R2
10k
R1
SCK
MOSI
MISO
LED1
M1
M2
echo
RS
trigger
DAC0
DAC1
DAC2
DAC3
DAC4
DAC5
DAC6
DAC7
LED2
E
DB4
DB5
DB6
DB7
CS
LED d'alimentation
R24
510
D6
LED
LEDS test
LED1
LED2
R27
510
R29
510
D7
D8
Condensateurs de découplage
C3
4.7uF
C1
0.1uF
C2
0.1uF
J4
AVR-ISP-6
Composants
File: Composants.kicad_sch
Alimentation
File: Alimentation.kicad_sch
Test points
Reset
HWB
Hardware Boot
5V
3,3V
Ground
VBAT
Terier Moïse & Ramesh Jérémy
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Size: A4
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Rev:
KiCad E.D.A. 9.0.7
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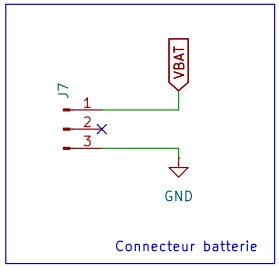
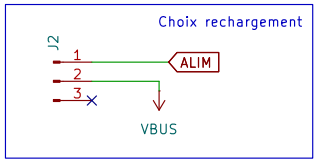
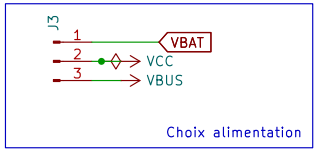
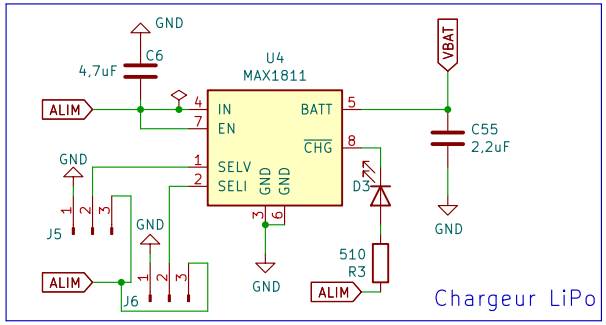
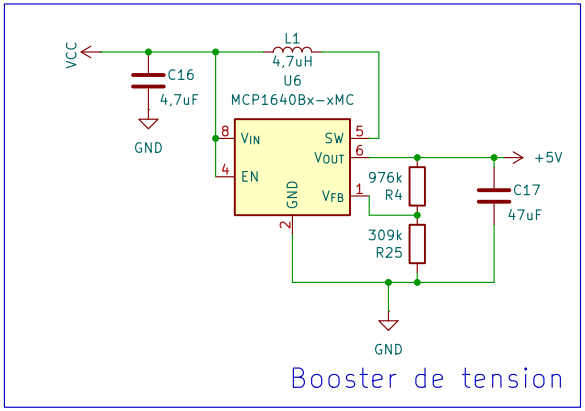


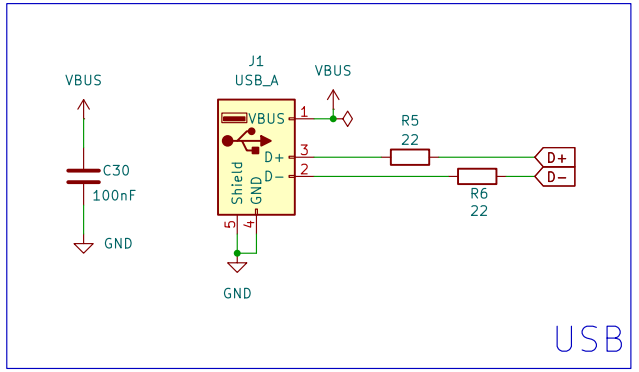




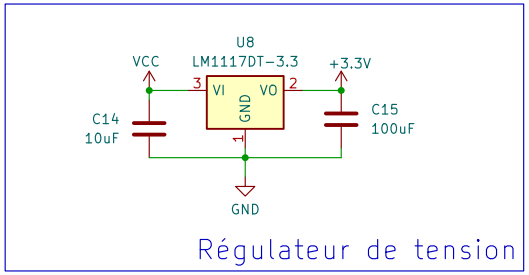


Si VCC = VBAT = 3.7V le booster boost le volatege
Si VCC = VBUS = 5V alors le booster laisse passer le 5V





Si VCC = VBAT = 3.7V le régulateur réduit le volatage à 3.3V
Si VCC = VBUS = 5V alors le régulateur réduit le volatage à 3.3V



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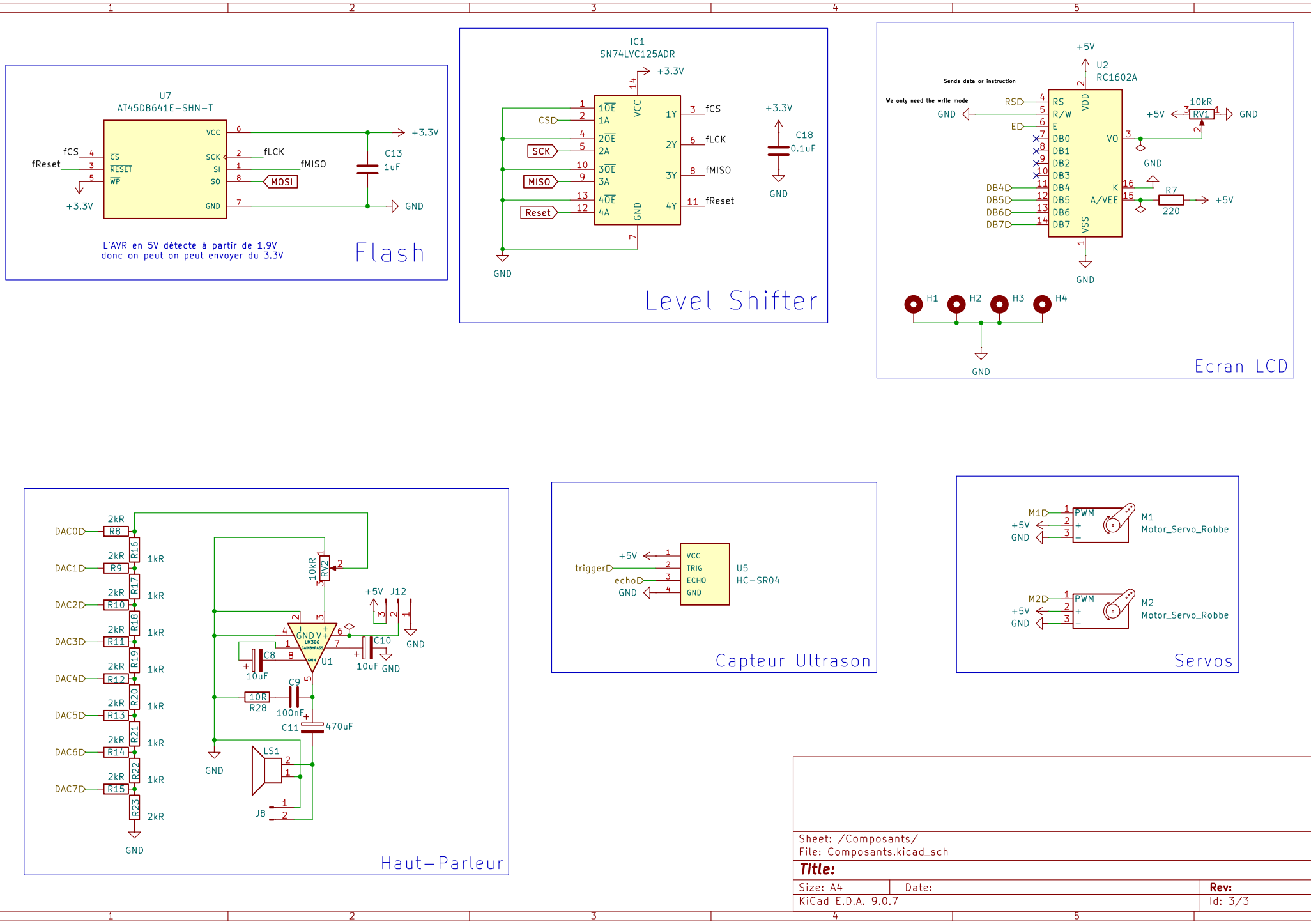
U7
AT45DB641E-SHN-T
fCS
fReset
+3.3V
VCC
SCK
SI
SO
GND
fLCK
fMISO
MOSI
C13
1uF
+3.3V
GND
L'AVR en 5V détecte à partir de 1.9V
donc on peut on peut envoyer du 3.3V
Flash
IC1
SN74LVC125ADR
+3.3V
CSD
SCK
MISO
Reset
fCS
fLCK
fMISO
fReset
C18
0.1uF
GND
Level Shifter
+5V
U2
RC1602A
Sends data or Instruction
We only need the write mode
RSD
ED
DB4
DB5
DB6
DB7
10kR
RV1
R7
220
H1
H2
H3
H4
Ecran LCD
DAC0
DAC1
DAC2
DAC3
DAC4
DAC5
DAC6
DAC7
2kR
1kR
10kR
RV2
+5V J12
GND V
LM386
U1
C8
10uF
C9
100nF
C10
10uF
10R
R28
C11
470uF
LS1
J8
Haut-Parleur
trigger
echo
VCC
TRIG
ECHO
GND
U5
HC-SR04
Capteur Ultrason
M1
M2
PWM
Motor_Servo_Robbe
Servos
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Title:
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