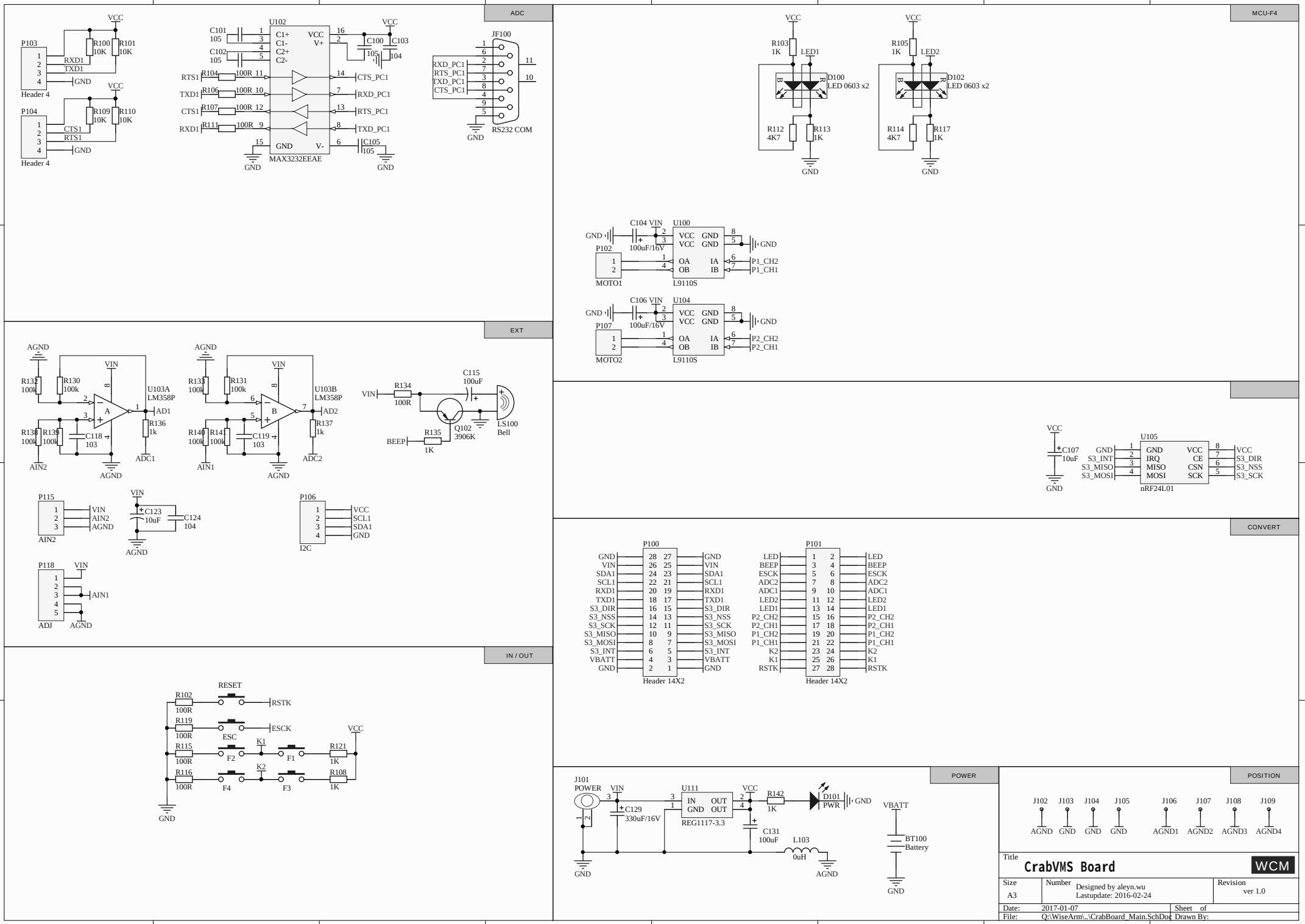
ADC
P103
Header 4
P104
Header 4
RXD1
TXD1
CTS1
RTS1
VCC
GND
R100 10K
R101 10K
R109 10K
R110 10K
U102
MAX3232EEAE
C1+
C1-
C2+
C2-
VCC
V+
GND
V-
C101 105
C102 105
C100 105
C103 104
C105 105
R104 100R
R106 100R
R107 100R
R111 100R
CTS_PC1
RXD_PC1
RTS_PC1
TXD_PC1
JF100
RS232 COM
MCU-F4
R103 1K
R105 1K
LED1
LED2
D100 LED 0603 x2
D102 LED 0603 x2
R112 4K7
R113 1K
R114 4K7
R117 1K
C104 VIN
C106 VIN
100uF/16V
U100
U104
VCC GND
OA IA
OB IB
P102
P107
MOTO1
MOTO2
L9110S
P1_CH2
P1_CH1
P2_CH2
P2_CH1
EXT
AGND
VIN
U103A LM358P
U103B LM358P
R132 100k
R130 100k
R133 100k
R131 100k
R136 100k
R139 100k
R140 100k
R141 100k
C118 103
C119 103
R136 1k
R137 1k
AD1
AD2
ADC1
ADC2
AIN2
AIN1
R134 100R
C115 100uF
Q102 3906K
R135 1K
BEEP
LS100 Bell
P115
P106
P118
C123 10uF
C124 104
AIN1
ADJ
I2C
SCL1
SDA1
IN / OUT
RESET
R102 100R
R119 100R
R115 100R
R116 100R
RSTK
ESCK
ESC
F2
F1
F4
F3
K1
K2
R121 1K
R108 1K
U105
nRF24L01
C107 10uF
GND
S3_INT
S3_MISO
S3_MOSI
IRQ
MISO
MOSI
CE
CSN
SCK
S3_DIR
S3_NSS
S3_SCK
CONVERT
P100
P101
Header 14X2
LED
BEEP
ESCK
ADC2
ADC1
LED2
LED1
P2_CH2
P2_CH1
P1_CH2
P1_CH1
K2
K1
RSTK
VIN
SDA1
SCL1
RXD1
TXD1
S3_DIR
S3_NSS
S3_SCK
S3_MISO
S3_MOSI
S3_INT
VBATT
POWER
J101 POWER
C129 330uF/16V
U111
REG1117-3.3
IN
OUT
R142 1K
D101 PWR
C131 100uF
L103 0uH
BT100 Battery
POSITION
J102
J103
J104
J105
J106
J107
J108
J109
AGND
AGND1
AGND2
AGND3
AGND4
Title
CrabVMS Board
WCM
Size
A3
Number
Designed by aleyn.wu
Lastupdate: 2016-02-24
Revision
ver 1.0
Date: 2017-01-07
Sheet of
File: Q:\WiseArm\..\CrabBoard_Main.SchDoc
Drawn By: