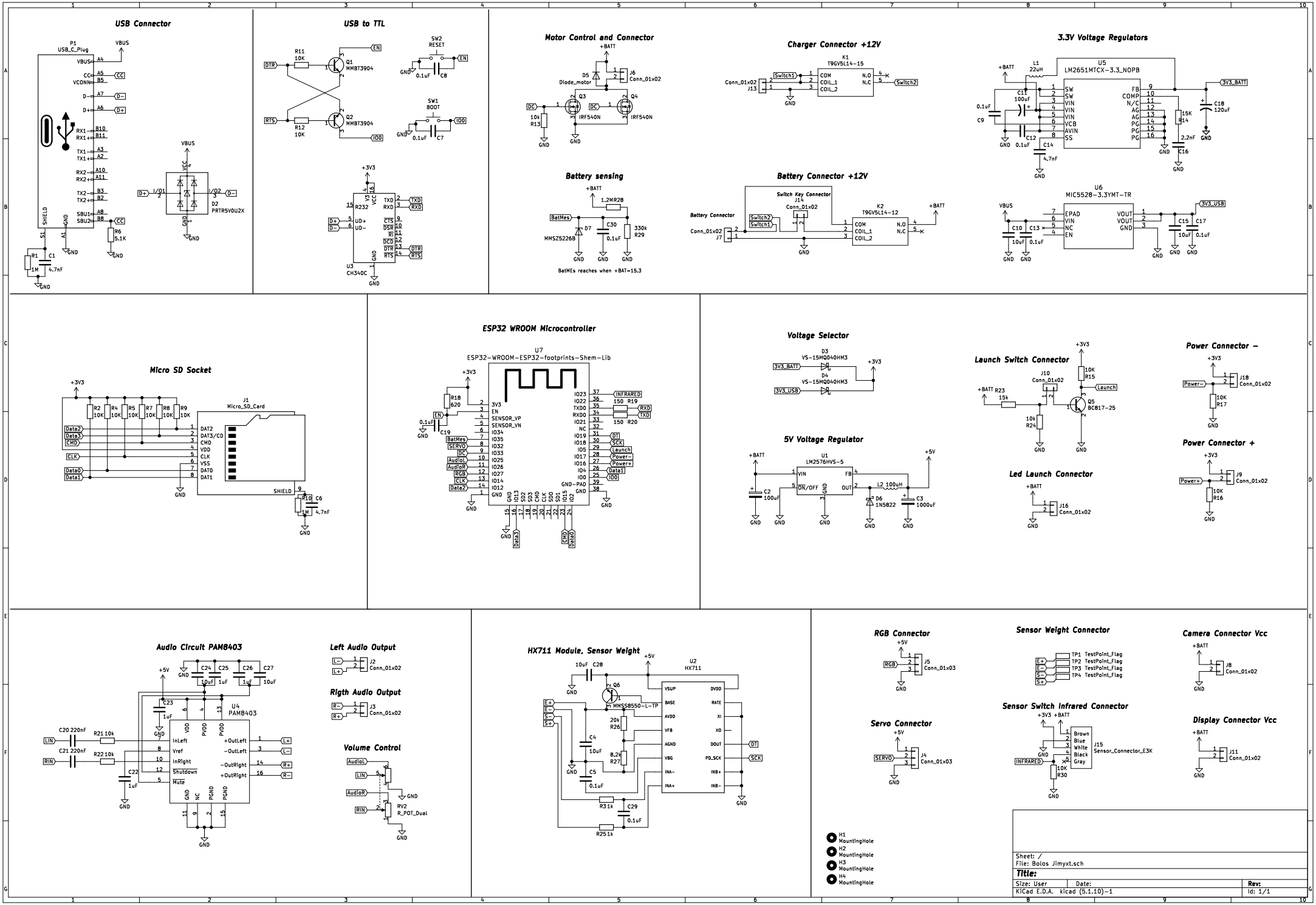
USB Connector
P1
USB_C_Plug
VBUS
CC
VCONN
D-
D+
RX1-
RX1+
TX1-
TX1+
RX2-
RX2+
TX2-
TX2+
SBU1
SBU2
SHIELD
GND
R6
5.1K
R1
1M
C1
4.7nF
D2
PRTR5V0U2X
USB to TTL
R11
10K
R12
10K
Q1
MMBT3904
Q2
MMBT3904
DTR
RTS
EN
IO0
SW2
RESET
SW1
BOOT
C8
0.1uF
C7
0.1uF
U3
CH340C
R232
TXD
RXD
DSR
RI
DCD
CTS
UD+
UD-
+3V3
Motor Control and Connector
+BATT
D5
Diode_motor
J6
Conn_01x02
Q3
IRF540N
Q4
IRF540N
DC
R13
10k
Battery sensing
1.2MR28
BatMes
D7
MMSZ5226B
C30
0.1uF
330k
R29
BatMEs reaches when +BAT=15.3
Charger Connector +12V
K1
T9GV5L14-15
COM
COIL_1
COIL_2
N.O
N.C
Conn_01x02
J13
Switch1
Switch2
Battery Connector +12V
Switch Key Connector
J14
Conn_01x02
Battery Connector
J7
K2
T9GV5L14-12
3.3V Voltage Regulators
U5
LM2651MTCX-3.3_NOPB
L1
22uH
C11
100uF
C9
0.1uF
C12
0.1uF
C14
4.7nF
R14
15K
C16
2.2nF
C18
120uF
3V3_BATT
SW
VIN
VCB
AVIN
SS
FB
COMP
N/C
AG
PG
U6
MIC5528-3.3YMT-TR
EPAD
NC
EN
VOUT
C10
10uF
C13
0.1uF
C15
10uF
C17
0.1uF
3V3_USB
Micro SD Socket
J1
Micro_SD_Card
R2
10K
R4
10K
R5
10K
R7
10K
R8
10K
R9
10K
DAT2
DAT3/CD
CMD
VDD
CLK
VSS
DAT0
DAT1
SHIELD
R10
1M
C6
4.7nF
ESP32 WROOM Microcontroller
U7
ESP32-WROOM-ESP32-footprints-Shem-Lib
R18
620
C19
0.1uF
3V3
EN
SENSOR_VP
SENSOR_VN
IO34
IO35
IO32
IO33
IO25
IO26
IO27
IO14
IO12
GND
IO23
IO22
TXD0
RXD0
IO21
NC
IO19
IO18
IO5
IO17
IO16
IO4
IO0
GND-PAD
INFRARED
R19
150
R20
150
DT
SCK
Launch
Power-
Power+
Data1
IO0
BatMes
SERVO
DC
AudioL
AudioR
RGB
CLK
Data2
Data3
CMD
Data0
Voltage Selector
D3
VS-15MQ040HM3
D4
VS-15MQ040HM3
3V3_BATT
3V3_USB
5V Voltage Regulator
U1
LM2576HVS-5
VIN
ON/OFF
FB
OUT
C2
100uF
L2 100uH
D6
1N5822
C3
1000uF
+5V
Launch Switch Connector
J10
Conn_01x02
R23
15k
R24
10k
R15
10K
Q5
BC817-25
Launch
Led Launch Connector
J16
Conn_01x02
Power Connector -
J18
Conn_01x02
R17
10K
Power Connector +
J9
Conn_01x02
R16
10K
Audio Circuit PAM8403
U4
PAM8403
C24
10uF
C25
1uF
C26
1uF
C27
10uF
C23
1uF
C20 220nF
C21 220nF
R21 10k
R22 10k
C22
1uF
LIN
RIN
InLeft
Vref
InRight
Shutdown
Mute
VDD
PVDD
+OutLeft
-OutLeft
-OutRight
+OutRight
GND
NC
PGND
Left Audio Output
J2
Conn_01x02
Rigth Audio Output
J3
Conn_01x02
Volume Control
RV2
R_POT_Dual
HX711 Module, Sensor Weight
10uF C28
U2
HX711
Q6
MMSS8550-L-TP
20k
R26
8.2k
R27
C4
10uF
C5
0.1uF
R31k
R251k
C29
0.1uF
VSUP
BASE
AVDD
VFB
AGND
VBG
INA-
INA+
DVDD
RATE
XI
XO
DOUT
PD_SCK
INB+
INB-
DT
SCK
RGB Connector
J5
Conn_01x03
Servo Connector
J4
Conn_01x03
Sensor Weight Connector
TP1 TestPoint_Flag
TP2 TestPoint_Flag
TP3 TestPoint_Flag
TP4 TestPoint_Flag
Sensor Switch Infrared Connector
J15
Sensor_Connector_E3K
Brown
Blue
White
Black
Gray
10K
R30
Camera Connector Vcc
J8
Conn_01x02
Display Connector Vcc
J11
Conn_01x02
H1 MountingHole
H2 MountingHole
H3 MountingHole
H4 MountingHole
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File: Bolos Jimyxt.sch
Title:
Size: User
Date:
Rev:
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Id: 1/1