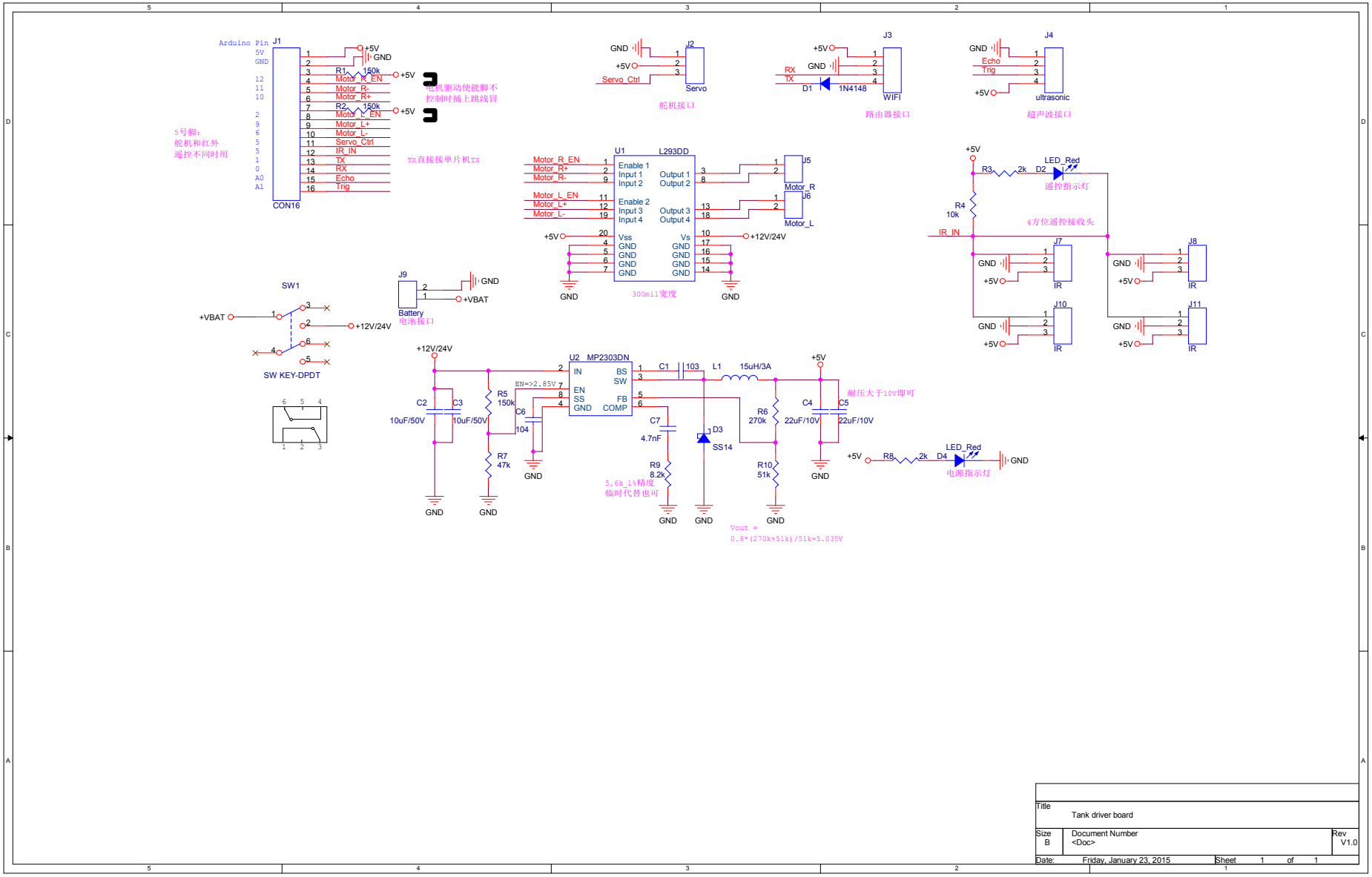
Arduino Pin
J1
CON16
5号脚：
舵机和红外
遥控不同时用
R1 150k
R2 150k
电机驱动使能脚不
控制时插上跳线冒
TX直接接单片机TX
Motor_R_EN
Motor_R-
Motor_R+
Motor_L_EN
Motor_L+
Motor_L-
Servo_Ctrl
IR_IN
TX
RX
Echo
Trig
J2
Servo
舵机接口
J3
WIFI
D1 1N4148
路由器接口
J4
ultrasonic
超声波接口
U1 L293DD
Enable 1
Input 1
Input 2
Output 1
Output 2
Enable 2
Input 3
Input 4
Output 3
Output 4
Vss
Vs
J5 Motor_R
J6 Motor_L
300mil宽度
R3 2k D2 LED_Red
遥控指示灯
R4 10k
4方位遥控接收头
J7
J8
J10
J11
IR
SW1
SW KEY-DPDT
J9
Battery
电池接口
U2 MP2303DN
IN
EN
SS
GND
BS
SW
FB
COMP
EN=>2.85V
C1 103
L1 15uH/3A
C2 10uF/50V
C3 10uF/50V
C4 22uF/10V
C5 22uF/10V
C6 104
C7 4.7nF
D3 SS14
R5 150k
R6 270k
R7 47k
R9 8.2k
R10 51k
5.6k_1%精度
临时代替也可
耐压大于10V即可
Vout =
0.8*(270k+51k)/51k=5.035V
R8 2k D4 LED_Red
电源指示灯
Title
Tank driver board
Size B
Document Number
<Doc>
Rev V1.0
Date: Friday, January 23, 2015
Sheet 1 of 1