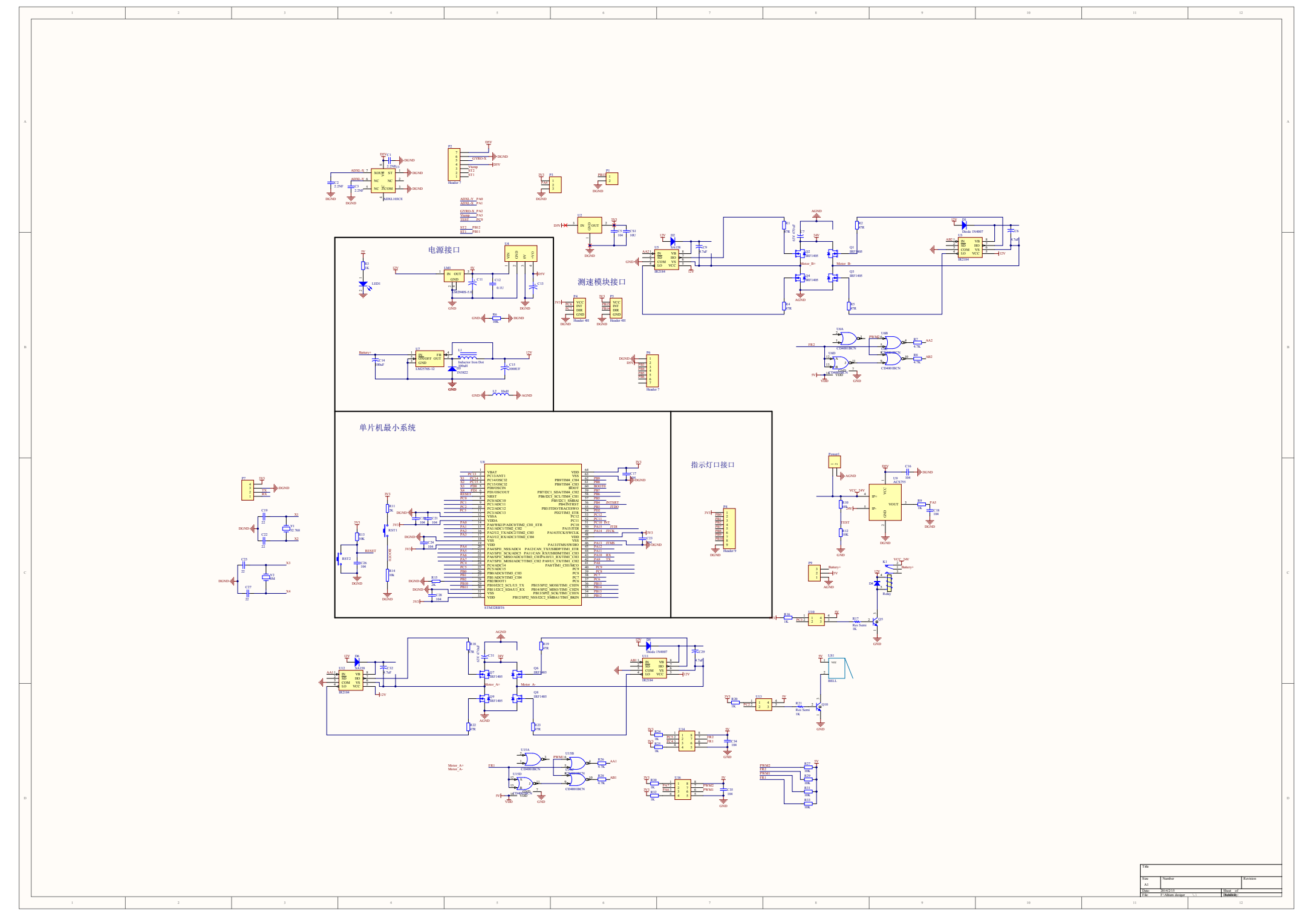

电源接口
测速模块接口
单片机最小系统
指示灯口接口
STM32RBT6
ADXL345CE
MC33184
L9110S
LM2576S-12
CD4001BCN
SA158
IRF1405
AC4759
Diode 1N4007
Relay
Header 7
Header 4
Header 6
Header 9
Header 2
Motor_A+
Motor_A-
Motor_B+
Motor_B-
Battery+
Title
Size
A1
Number
Revision
Date
2014/2/15
Sheet of
File
F:\Altium design\
Drawn by:

Comment	Description	Designator	Footprint	LibRef	Quantity
Cap	Capacitor	C1, C2, C3, C5, C16, C18, C34, C35	0603	Cap	8
Cap2	Capacitor	C6, C9, C29, C32	0805	Cap2	4
Cap2	Capacitor	C7, C31	大电容	Cap2	2
	Capacitor	C11, C13	0805	CAPACITOR POL	2
0.1U	Capacitor	C12	0603	Cap	1
Cap2	Capacitor	C14	100u	Cap2	1
	Capacitor	C15	100u	CAPACITOR POL	1
104	Capacitor	C17, C20, C21, C23, C24, C28	0603	CAP	6
22	Capacitor	C19, C22, C25, C27	0603	CAP	4
Cap	Capacitor	C26, CS1	0805	Cap	2
Diode 1N4007	1 Amp General Purpose Rectifier	D1, D5	1206	Diode 1N4007	2
SA158	1 Amp General Purpose Rectifier	D2, D6	1206	Diode 1N4007	2
1N5822	1 Amp General Purpose Rectifier	D3	SS14	Diode 1N4002	1
4007	DIODE	D4	SS14	DIODE	1
Relay	SPDT Relay	K1	继电器	Relay	1
Inductor Iron Dot	Magnetic-Core Inductor with Winding Polarity Marking	L1	DIODE_SMC	Inductor Iron Dot	1
Inductor	Inductor	L2	0805	Inductor	1
LED3	Typical BLUE SiC LED	LED1	0603	LED3	1
LM2940S-5.0	1A Low-Dropout Regulator	LM1	TS3B	LM2940S-5.0	1
BELL		LS1	HDR1X2H	BELL	1
脚踏开关	Header, 2-Pin, Right Angle	P1	HDR1X2H	Header 2H	1
Header 7	Header, 7-Pin	P2, P6	HDR1X7	Header 7	2
方向器	Header, 3-Pin, Right Angle	P3	HDR1X3H	Header 3H	1
Header 4H	Header, 4-Pin, Right Angle	P4, P5	HDR1X4	Header 4H	2
Header 4	Header, 4-Pin	P7	HDR1X4	Header 4	1
Header 9	Header, 9-Pin	P8	HDR1X9	Header 9	1
电压表	Header, 3-Pin	P9	HDR1X3	Header 3	1
Header 2	Header, 2-Pin	Power1	OUT	Header 2	1
IRF1405	HEXFET Power MOSFET	Q1, Q2, Q3, Q4, Q6, Q7, Q8, Q9	TO-220AB	IRF1405	8
2N3904	NPN General Purpose Amplifier	Q5, Q10	Q8050	2N3904	2
Res Semi	Semiconductor Resistor	R1, R2, R4, R5, R7, R8, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33	0603	Res Semi	24
Res2	Resistor	R3, R6, R9, R10, R12, R13	0603	Res2	6
2K		R11, R15	0603	RES2	2
10k		R14	0603	RES2	1
按键		RST1, RST2	key3*6*2.5	按键	2
ADXL103CE		U1	U2	ADXL103CE	1
LT1117-3.3		U2	1117	LT1117-3.3	1
IR2184		U3, U5, U11, U12	SOIC127P600X265-8N	IR2184	4
B0505S		U4	dcdc	dc-dc	1
CD4001BCN	Quad 2-Input NOR Buffered B series Gate	U6, U15	SOIC127P600X150-14N	CD4001BCN	2
LM2576S-12	Simple Switcher Power Converter 150 kHz 3A Step Down Voltage Regulator	U7	TS5B	LM2596S-ADJ	1
STM32RBT6		U8	LQFP64_L	Component_1_1	1
ACS755		U9	ACS755	ACS755	1
一路光耦		U10, U13	PCBComponent_1 - duplicate	1路光耦	2
高速光耦		U14, U16	U	光耦	2
32.768	Crystal	Y1	R38	CRYSTAL	1
8M	Crystal	Y2	JZ_3	CRYSTAL	1