


Title 主板			Altium Limited L3, 12a Rodborough Rd Frenchs Forest NSW Australia 2086	
Revision: V1.0	Number: 1	Designer: 樊浩柏		
Date: 2015/3/16	Time: 16:12:52	Sheet 1 of 6		
File: F:\Technology\工程\飞思卡尔摄像头组\电路\主板\主板.SchDoc				

1

2

3

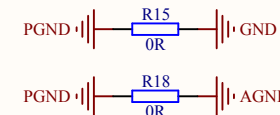
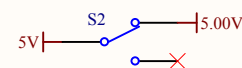
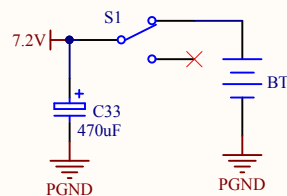
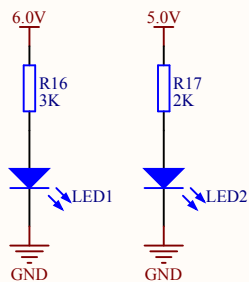
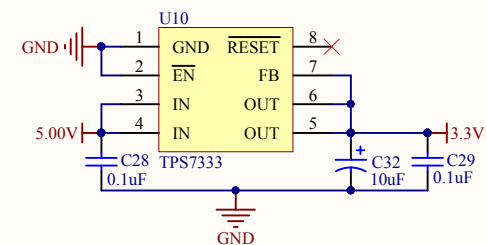
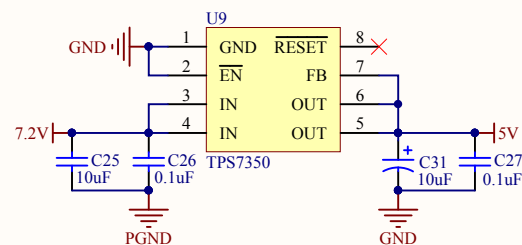
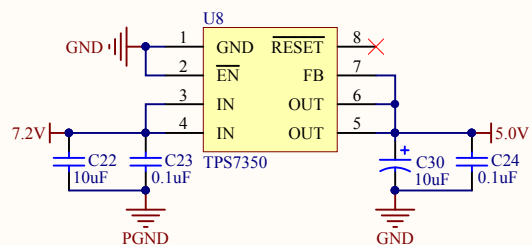
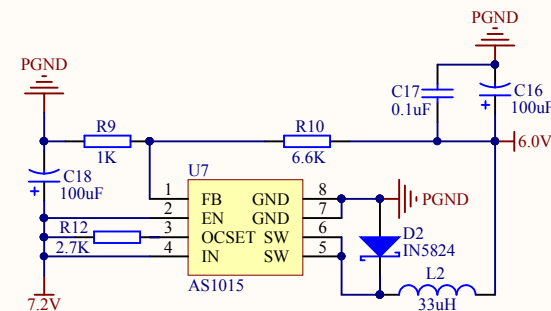
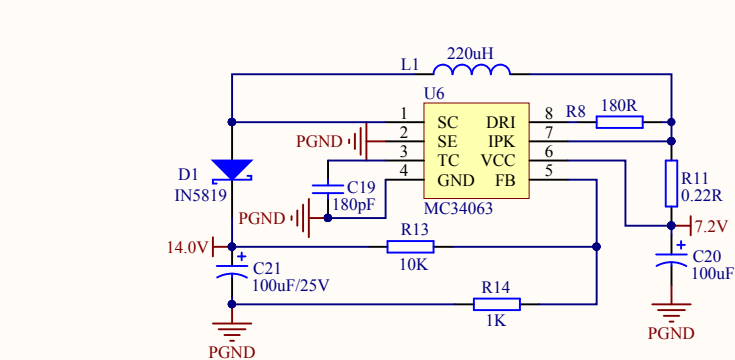
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A

B

C

D



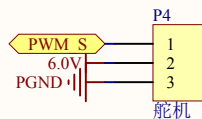
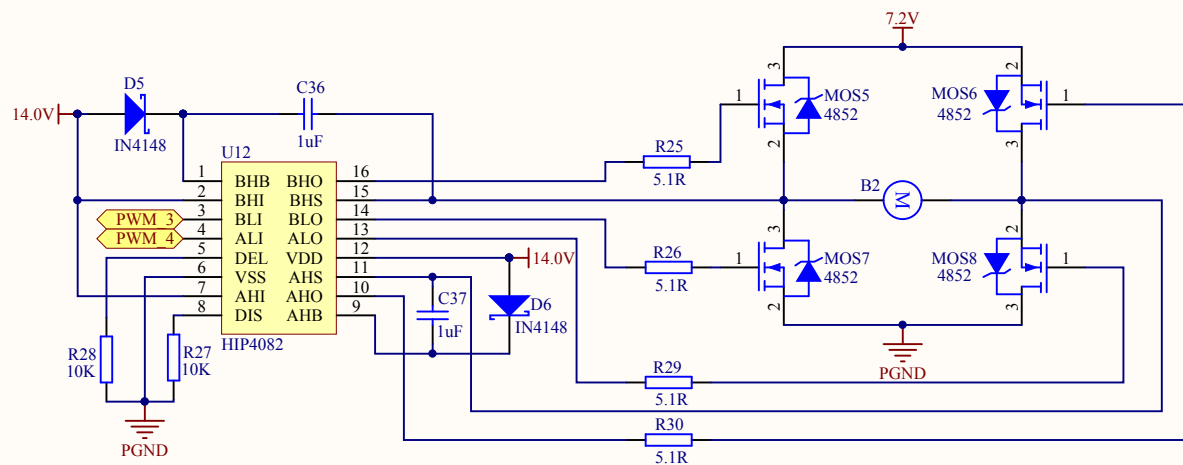
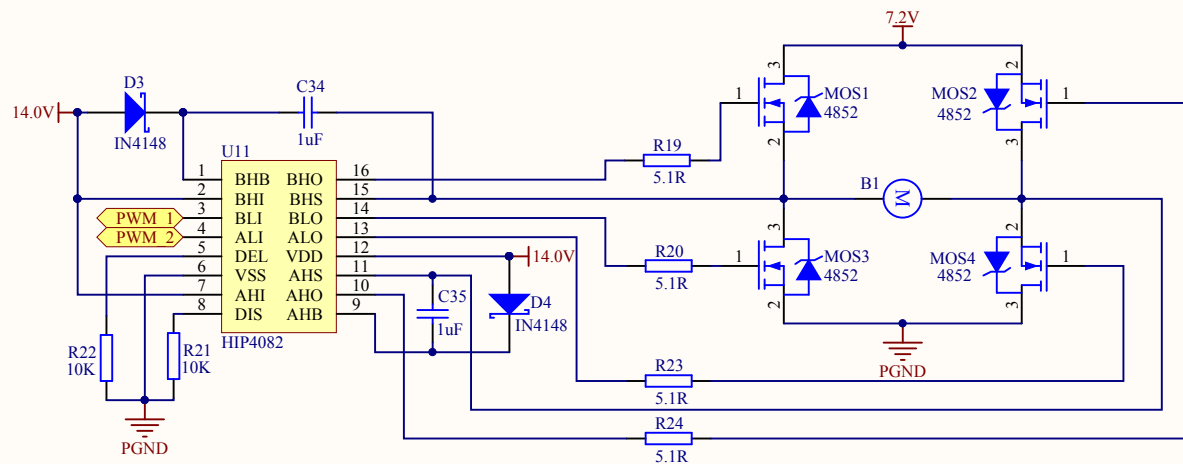
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Revision: V1.0	Number: 2	Designer: 樊浩柏		
Date: 2015/3/16	Time: 16:12:52	Sheet 2 of 6		
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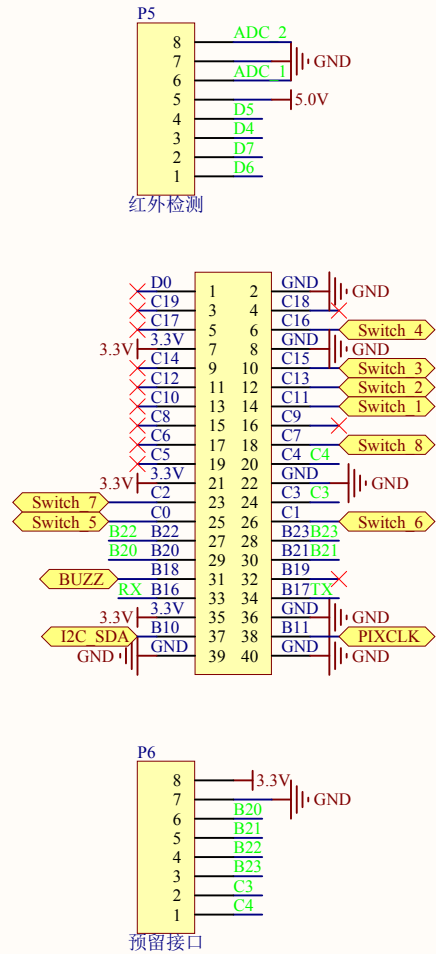
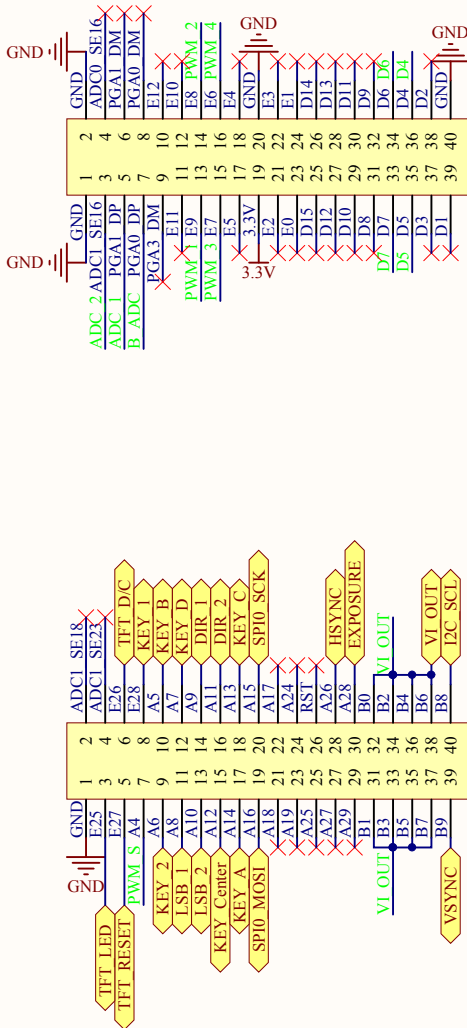
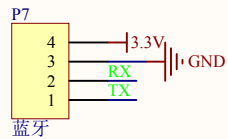
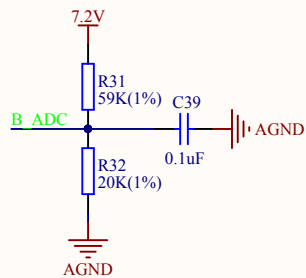
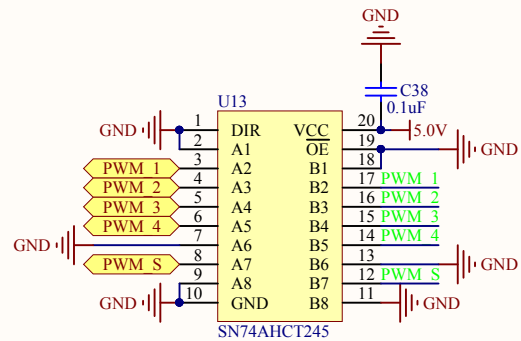
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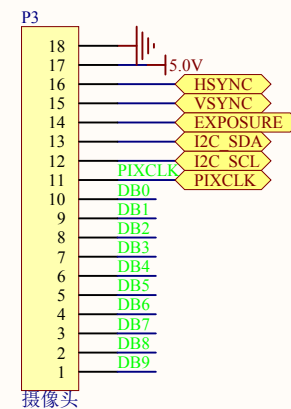
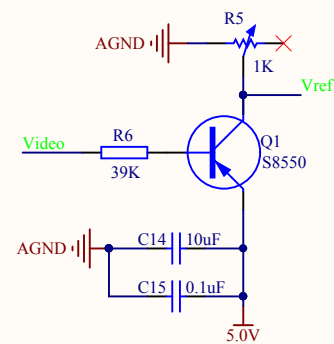
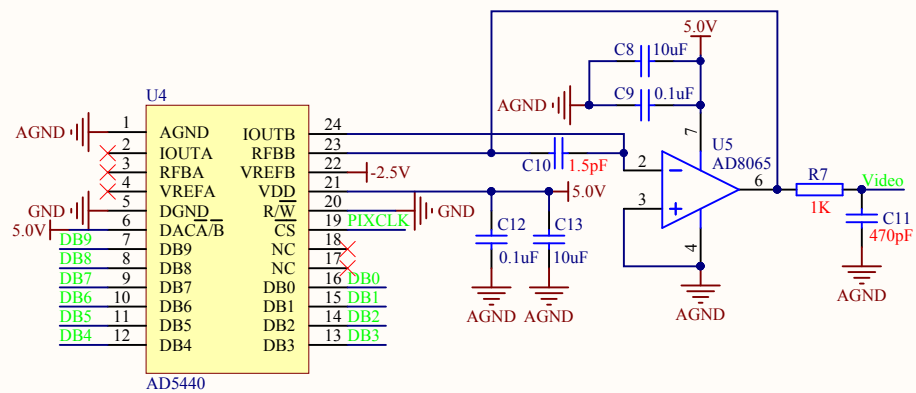
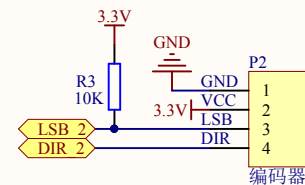
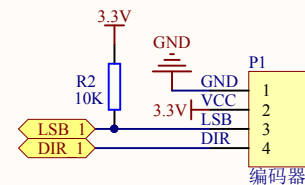
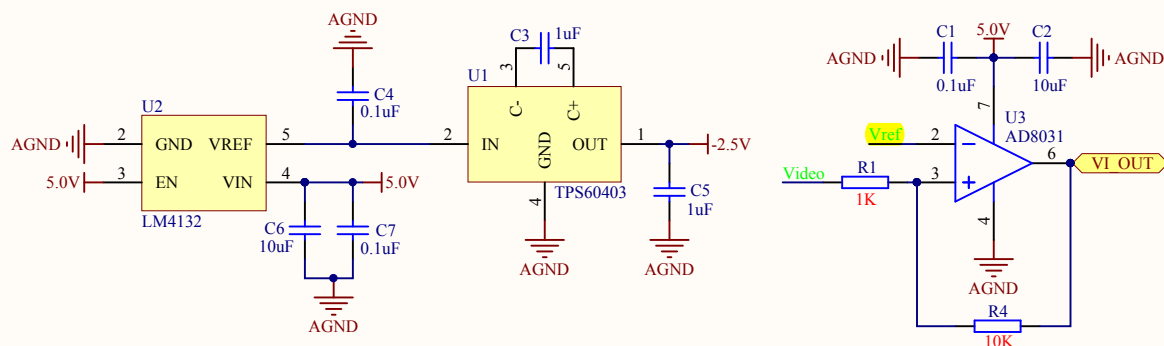
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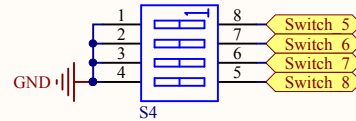
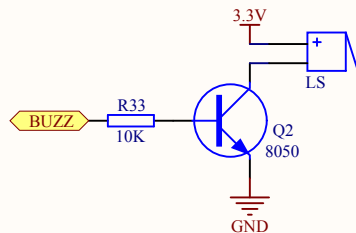
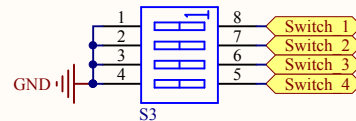
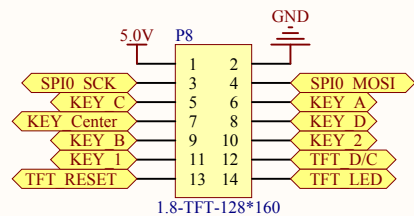



Title 驱动			Altium Limited L3, 12a Rodborough Rd Frenchs Forest NSW Australia 2086		
Revision: V1.0	Number: 3	Designer: 樊浩柏			
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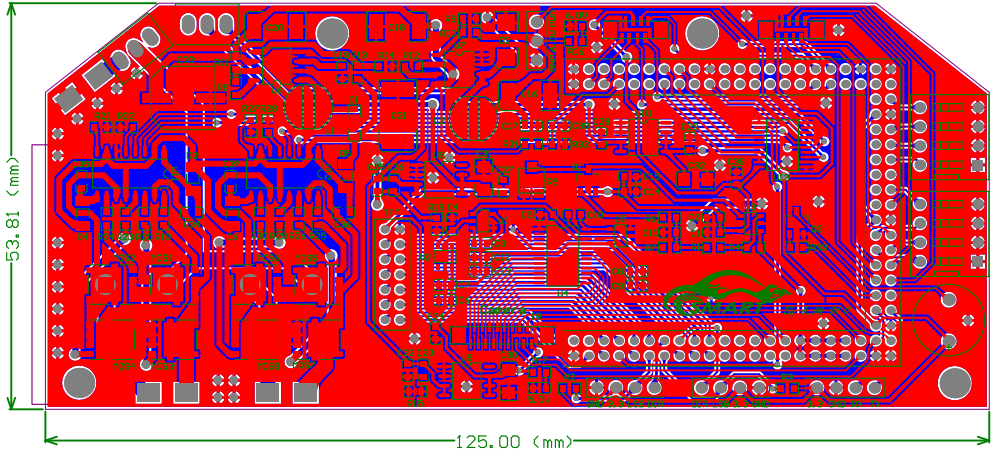




Title 传感器			Altium Limited L3, 12a Rodborough Rd Frenchs Forest NSW Australia 2086		
Revision: V1.0	Number: 5	Designer: 樊浩柏			
Date: 2015/3/16	Time: 16:12:52	Sheet 5 of 6			
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Title 人机交互			Altium Limited L3, 12a Rodborough Rd Frenchs Forest NSW Australia 2086		
Revision: V1.0	Number: 6	Designer: 樊浩柏			
Date: 2015/3/16	Time: 16:12:52	Sheet 6 of 6			
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Altium Limited  
12a Rodborough Rd  
Frenchs Forest  
NSW 2086

ENGINEER:		TITLE:	
PCB DESIGNER:			
DATE: 2015/3/16		PART NO:	REV:
FILE NAME: 2a_V1.0PcbDoc		DWG NO:	SCALE:

Comment	Designator	Footprint	Quantity
Motor	B1, B2	Header-5.0-SMD	2
Battery	BT	Header-5.0-SMD	1
0.1uF	C1, C4, C7, C9, C12, C15, C17, C23, C24, C26, C27, C28, C29, C38, C39	CAP-0603	15
10uF	C2, C6, C8, C13, C14, C22, C25	CAP-0603	7
1uF	C3, C5, C34, C35, C36, C37	CAP-0603	6
1.5pF	C10	CAP-0603	1
470pF	C11	CAP-0603	1
100uF	C16, C18, C20	CASE-C_6032-28	3
180pF	C19	CAP-0603	1
100uF/25V	C21	CASE-D_7343-31	1
10uF	C30, C31, C32	CASE-A_3216-18	3
470uF	C33	CAP-ALU-F_8.0x8.3x10.2	1
CON-20X2	CN1, CN2, CN3	Female-Header-2.00-Double-40	3
IN5819	D1	Diode-SMD-SOD-123	1
IN5824	D2	Diode-SMD-SMA	1
IN4148	D3, D4, D5, D6	Diode-SMD-1206	4
220uH	L1	Inductor-CD-54	1
33uH	L2	Inductor-CD-54	1
LED	LED1	LED-GRE-0603	1
LED	LED2	LED-BLU-0603	1
Buzzer	LS	BUZZER_9.5*6MM	1
4852	MOS1, MOS2, MOS3, MOS4, MOS5, MOS6, MOS7, MOS8	DFN-5_5X6MM	8
编码器	P1, P2	Pin-Header-2.54-Single-4	2
摄像头	P3	Header-FPC-ZIF-SMD-Vertical Single-0.5-18	1
舵机	P4	Pin-Header-2.54-Single-3	1
红外检测	P5	Header-FPC-ZIF-SMD-Vertical Single-0.5-8	1
预留接口	P6	Header-FPC-ZIF-SMD-Vertical Single-0.5-8	1
蓝牙	P7	Female-Header-2.54-Single-4	1
1.8-TFT-128*160	P8	Female-Header-2.00-Double-14	1
S8550	Q1	SOT-23-3	1
8050	Q2	SOT-23-3	1
1K	R1, R7, R9, R14	RES-0603	4
10K	R2, R3, R4, R13, R21, R22, R27, R28, R33	RES-0603	9
1K	R5	RES-Adj_PVZ3	1
39K	R6	RES-0603	1
180R	R8	RES-0603	1
6.6K	R10	RES-0603	1
0.22R	R11	RES-0603	1
2.7K	R12	RES-0603	1
0R	R15, R18	RES-0603	2
3K	R16	RES-0603	1
2K	R17	RES-0603	1
5.1R	R19, R20, R23, R24, R25, R26, R29, R30	RES-0603	8
59K(1%)	R31	RES-0603	1
20K(1%)	R32	RES-0603	1
Key-3	S1, S2	SW-3-SMTS-102	2
Switch	S3, S4	SW-Piano-DIP-4	2
TPS60403	U1	SOT-23-5	1
LM4132	U2	SOT-23-5	1
AD8031	U3	SOT-23-5	1
AD5440	U4	TSSOP-24	1
AD8065	U5	SOT-23-5	1
MC34063	U6	SOP-8	1
AS1015	U7	SOP-8	1
TPS7350	U8, U9	SOP-8	2
TPS7333	U10	SOP-8	1
HIP4082	U11, U12	SOP-16	2
SN74AHCT245	U13	TSSOP-20	1