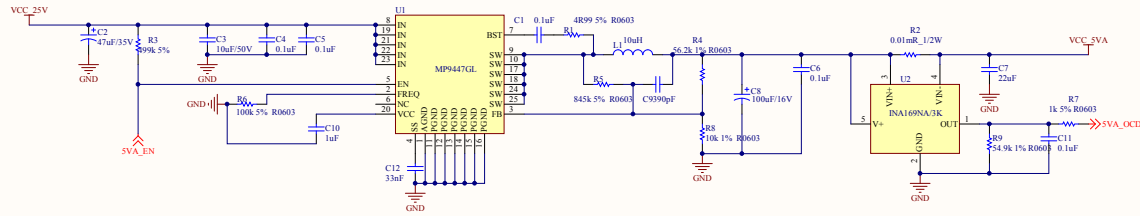


A

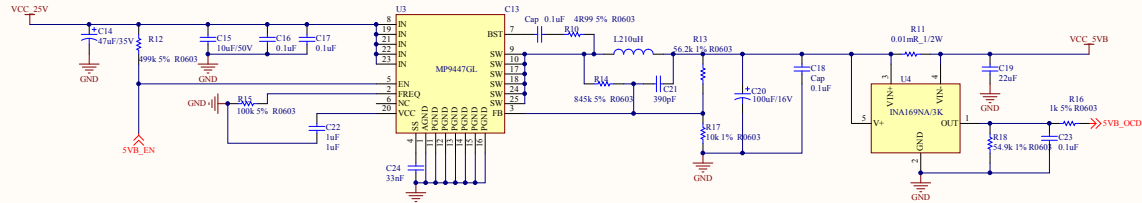
A



A 25V 5V

B

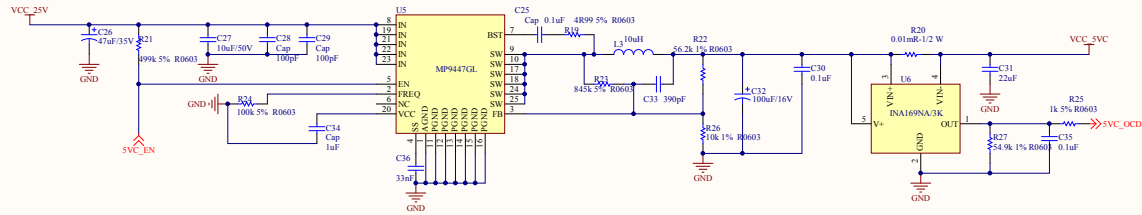
B



B 25V 5V

C

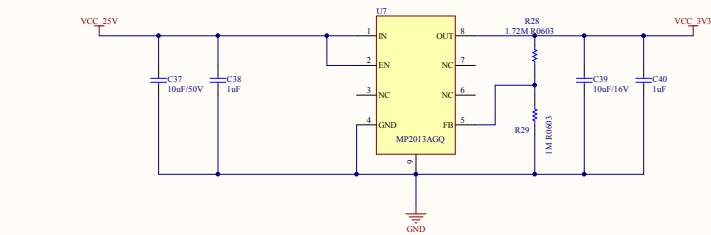
C



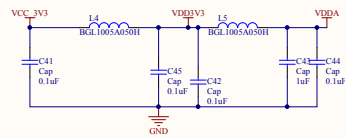
C 25V 5V

D

D

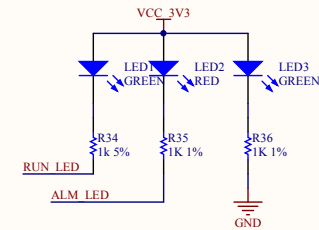


C 25V 3V3

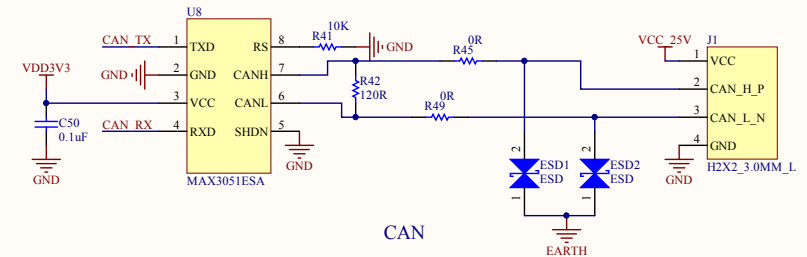


VDDA

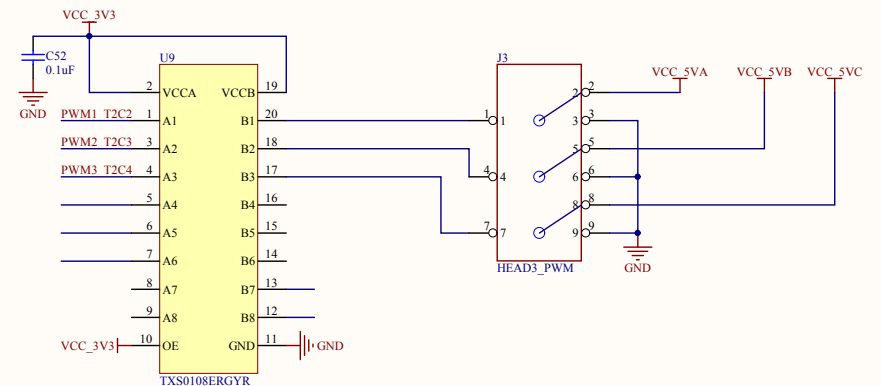
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Size	Number	Revision
A2		
Date	2016/11/7	Sheet of
File	V2.1power SchDoc	Drawn By



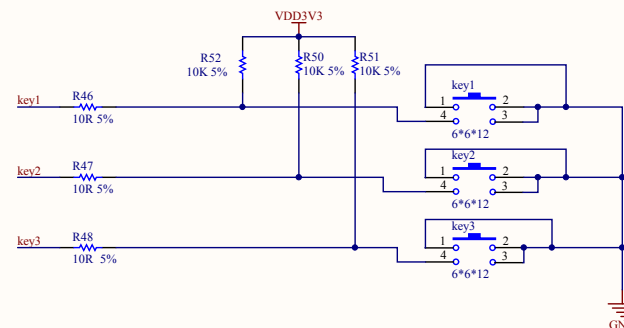
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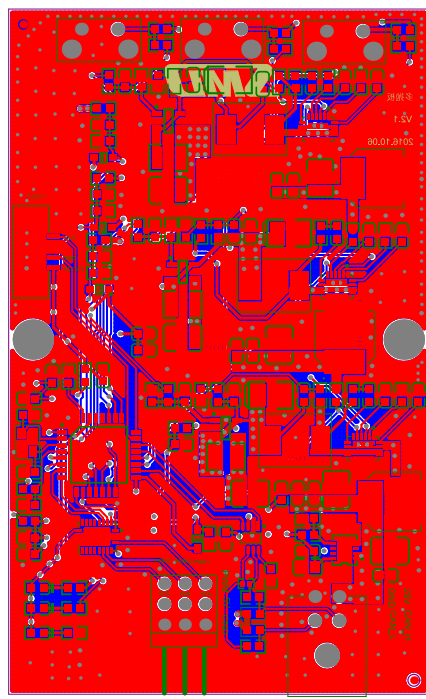
CAN



3 PWM



Title		
Size A3	Number	Revision
Date: File:	2016/11/7 F:\STM32F042K6T6.SchDot	Sheet of Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
0.1uF	Capacitor	C1, C4, C5, C6, C11, C16, C17, C23, C30, C35, C50, C51, C52, C53, C55	LC-0603_C	Cap	15
47uF/35V	CSMT06.3	C2, C14, C26	CSMT06.3	Cap Pol1	3
10uF/50V	Capacitor	C3, C15, C27, C37	LC-1210_C	Cap	4
22uF	Capacitor	C7, C19, C31	LC-1210_C	Cap	3
100uF/16V		C8, C20, C32	LC-CASE-B_3528	Cap Pol1	3
390pF	Capacitor	C9, C21, C33	LC-0603_C	Cap	3
1uF	Capacitor	C10, C22, C38, C40	LC-0603_C	Cap	4
33nF	Capacitor	C12, C24, C36	LC-0603_C	Cap	3
Cap	Capacitor	C13, C18, C25, C28, C29, C34, C41, C42, C43, C44, C45, C46, C47, C48, C49	LC-0603_C	Cap	15
10uF/16V	Capacitor	C39	LC-0805_C	Cap	1
8pF	Capacitor	C54, C56	LC-0603_C	Cap	2
1N4148	Default Diode	D1, D2, D3, D4	LC-SOD-323	Diode	4
ESD		ESD1, ESD2	LC-0603	ESD	2
H2X2_3.0MM_L		J1	H2X2_3.0mm_L	H2X2_3.0MM_L	1
JST1.25_4P		J2	4px1.25	JST1.25_4P	1
HEAD3_PWM		J3	H3X3_2.54MM_L	HEAD3_PWM	1
6*6*12		key1, key2, key3	key_cemian	key_cemian	3
10uH	10uH, WLPSM6030N-C	L1, L2, L3	L6030	Inductor	3
BGL1005A050H	Inductor	L4, L5	LC-0603_L	Inductor	2
GREEN	Typical INFRARED GaAs LED	LED1, LED3	LC-0603_LED_S1	LED0	2
RED	Typical INFRARED GaAs LED	LED2	LC-0603_LED_S1	LED0	1
4R99 5% R0603	Resistor	R1, R10, R19	LC-0603_R	Res1	3
0.01mR_1/2W	Resistor	R2, R11	LC-1210_R	Res1	2
499k 5%	Resistor	R3	LC-0603_R	Res1	1
56.2k 1% R0603	Resistor	R4, R13, R22	LC-0603_R	Res1	3
845k 5% R0603	Resistor	R5, R14, R23	LC-0603_R	Res1	3
100k 5% R0603	Resistor	R6, R15, R24	LC-0603_R	Res1	3
1k 5% R0603	Resistor	R7, R16, R25	LC-0603_R	Res1	3
10k 1% R0603	Resistor	R8, R17, R26	LC-0603_R	Res1	3
54.9k 1% R0603	Resistor	R9, R18, R27	LC-0603_R	Res1	3
499k 5% R0603	Resistor	R12, R21	LC-0603_R	Res1	2
0.01mR-1/2 W	Resistor	R20	LC-1210_R	Res1	1
1.72M R0603	Resistor	R28	LC-0603_R	Res1	1
1M R0603	Resistor	R29	LC-0603_R	Res1	1
22k 1%	Resistor	R30, R31, R32, R33	LC-0603_R	Res1	4
1k 5%	Resistor	R34	LC-0603_R	Res1	1
1K 1%	Resistor	R35, R36	LC-0603_R	Res1	2
2.7K 1%	Resistor	R37	LC-0603_R	Res1	1
30K 1%	Resistor	R38, R39, R40	LC-0603_R	Res1	3
10K	Resistor	R41	LC-0603_R	Res1	1
120R	Resistor	R42	LC-0402_R	Res1	1
10K 5%	Resistor	R43, R44, R50, R51, R52	LC-0603_R	Res1	5
0R	Resistor	R45, R49	LC-0603_R	Res1	2
10R 5%	Resistor	R46, R47	LC-0603_R	Res1	2
10R 5%	Resistor	R48	LC-0603_R	Res1	1
MP9447GL		U1, U3, U5	QFN20	MP9447GL	3
INA169NA/3K		U2, U4, U6	LC-SOT-23-5	INA169NA/3K	3
MP2013AGQ		U7	QFN_8	MP2013AGQ	1
MAX3051ESA		U8	MAX3051ESA_SO P8	MAX3051ESA	1
TXS0108ERGYR		U9	TXS0108ERGYR	TXS0108ERGYR	1
STM32F042K6T6		U10	STM32F042K6T6_L QFP32	STM32F042K6T6	1
8M 3225		X1	XTAL-3225	8M 3225	1