



Title		
Size	Number	Revision
A3		
Date:	2018/7/15	Sheet of
File:	C:\Users\...\motor-drive-SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
CON3	Connector	1, 2	SIP3	CON3	2
BAT3.6V		BAT1	BAT	BAT3.6V	1
0.1uF	Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue], [NoValue]	C1, C2, C4, C5, C6, C7, C8, C9, C11, C12, C13, C14, C15, C16, C17, C18, C20, C21, C23, C24, C25	0805	CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, C, C, C, C, C, C, C	21
10uF	Capacitor, Capacitor, [NoValue], [NoValue]	C3, C10, C27, C30	0805	CAP, CAP, C, C	4
100uF		C19, C22	100UF/25V_CA	ELECTRO1	2
103		C26, C29	0603	C	2
104		C28, C31, C32, C35, C36, C37, C39, C40, C43	0805	C	9
8pF		C33, C34	0805	C	2
100nF		C38	0805	C	1
2.2uF		C41, C42	0805	C	2
Header 3	Header, 3-Pin	CON1, CON2, CON3, CON4	CON3	Header 3	4
5VIN	Header, 2-Pin	CON5	CON2	Header 2	1
LED		L1	0805LED	LED	1
Header 2	Header, 2-Pin	P1, P2, P4, P6	HDR1X2	Header 2	4
JTAG	Header, 4-Pin	P7	HDR1X4	Header 4	1
boot	Header, 2-Pin	P8	0603	Header 2	1
Header 8X2	Header, 8-Pin, Dual row	P9	HDR2X8	Header 8X2	1
ping	Header, 10-Pin	P10	PCBComponent_1	Header 10	1
Header 6	Header, 6-Pin	Power, PT5, PX1, PY1, PZ3	HDR1X6	Header 6	5
1K		R2, R4, R6, R7, R9, R10, R12, R14, R15, R16, R18, R19, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R42, R44, R45, R46, R49, R50, R51, R53, R54, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84	0805	RES2	68
5.1K		R85, R90, R94, R95, R96, R97	0805	RES	6
4.7K		R86, R87, R92	0805	RES	3
100		R88	0805	RES	1
1M		R89	0805	RES	1
390		R91	0805	RES	1
10K		R93	0805	RES	1
TLP291	光耦隔离	U1, U4, U6, U9, U11	SOIC-TLP291-4-16N	TLP291-4	5
CD74HC245M	High Speed CMOS Logic Non-Inverting Octal-Bus Transceivers with 3-State Outputs, DW0020A, TUBE	U2, U7	DW0020A_N	CD74HC245M	2
6N137		U3, U5, U8, U10	SO-8	HCPL2400	4
STM32F405VGT6	ARM Cortex-M4 32-bit MCU + FPU, 210 DMIPS, 1024 kB Flash, 192 kB Internal RAM, 82 I/Os, 100-pin LQFP, -40 to 85 degC, Tray	U12	STM-LQFP100_N	STM32F405VGT6	1
LTC1763-33		U13, U16	SO-8	LT1763	2
BZ		U14	BZ_SMALL	BZ	1
SI2306		U15	SOT-23	MOFET_N	1
DS1302		U17	SO-8	DS1302	1
MAX3232		U18	SO-16	MAX3232	1
FM24C64		U19	SO-8	FM24C64	1
32K		X1	XTAL-2	XTAL	1
XTAL	Crystal Oscillator	Y1	XTAL1	XTAL	1