













Designator	Description	Comment	Manufacturer_Na	Manufacturer_Par	Footprint	Quantity
	Description	Comment	me	t_Number	rootpilit	Quantity
C100, C101, C110, C116, C300, C301, C303, C306, C307, C308, C310, C311, C313, C314, C315	Capacitor	10uF/63V	Mechanics	CL32B106KMVNN WE	CAPC3225X280N	15
C102, C322	Capacitor	4u7/10V	Samsung Electro- Mechanics	CL10A475KP8NNN C	CAPC1608X90N	2
C103, C104, C105, C106, C107, C108, C111, C112, C113, C114, C115, C200, C205, C304, C305, C316, C317, C318, C319, C320	Capacitor	100nF/63V	Vishay	VJ0603Y104JXJAC	CAPC1608X97N	20
C109, C302, C312, C321	Capacitor	470nF/100V	AVX	08051C474KAT2A	CAPC2012X140N	4
C201, C202, C203	Capacitor	1nF/25V	Murata Electronics	GRM033R71E102K A01D	CAPC1608X97N	3
C204, C206	Capacitor	100pF/63V	Kemet	C0603C101K1HAC TU	CAPC1608X87N	2
C309	Capacitor	47nF/50V	TDK	CGA3E2X7R1H473 K080AA	CAPC1608X90N	1
CON100, CON101	Connector	8_PIN	Hirose	DF13A-8P- 1.25H(21)	DF13A8P125H21	2
D200	Schottky Diode	30V/200mA	Rectron	BAT54S	SOT95P240X110-3N	1
IC100	Integrated Circuit	3V3_LDO	Diodes Inc.	AP2114H-3.3TRG1	SOT230P700X180-4N	1
IC101	Integrated Circuit	3Bit_BIN/DEC	Nexperia	74LVC138ABQ,115	74HCT595BQ115	1
IC200	Integrated Circuit	S-Trigger	Nexperia	74LVC3G17DP,125	SOP65P400X110-8N	1
IC300	Integrated Circuit	BLDC_GDriver	Texas Instruments	DRV8323HRTAR	QFN50P600X600X80- 41N-D	1
IC 100, Motor_U300, Motor_V300, Motor_W300, Vbat- 300, Vbat+300, XTL100	FOC Motion Controller, [NoValue], 25Mhz Oscillator	Motion Ctrl, PowerPad, PW_PAD_SMOL, 25MHz			QFN40P1050X650X90- 77N, POWER_PAD, PW_PAD_SMOL, FOX924B25	7
J100	Connector	4_PIN	Hirose	DF13A-4P- 1.25H(21)	DF13A4P125H21	1
J200	Connector	5_PIN	Hirose	DF13A-5P- 1.25H(21)	DF13A5P125H21	1
L100	Ferrite Bead	30R@100MHz/5A	Murata Electronics	BLM18KG300TH1D	BLM18KG101TH1D	1
LED300	LED	RED/2,2V/2mA	OSRAM	LS L29K-G1J2-1-Z	LSL29KG1J21Z	1
LED_Amber200	LED	AMBER/2V/20mA	Avago Technologies	ASMT-RA45-AP932	LEDC1608X55N	1
LED_Blue200	LED	BLUE/2,85V/5mA	OSRAM	LB Q39G-L200-35- 1	LEDC1608X40N	1
LED_Green200	LED	GREEN/2,4V/20mA	OSRAM	LG Q396-PS-35	LGQ396PS35	1
Q300, Q301, Q302, Q303, Q304, Q305	MOSFET (N-Channel)	N-ch/60V/100A	Toshiba	TPH2R506PL,L1Q	TPHR9003NLL1Q	6
R100, R102, R211, R212, R216, R217, R302	Resistor	10k	YAGEO (PHYCOMP)	RC0603FR-0710KL	RESC1608X55N	7
R101, R205, R210, R215, R303	Resistor	100R	Vishay	CRCW0603100RFK EAC	RESC1608X55N	5
R200, R201, R202, R207, R208, R209	Resistor	4k7	Vishay	CRCW06034K70JN EAC	RESC1608X55N	6
R203, R204, R214	Resistor	1k5	Panasonic	ERJ1GNF1501C	RESC1608X55N	3
R206	Resistor	150R	ROHM Semiconductor	SFR03EZPF1500	RESC1608X55N	1
R213	Resistor	100k	Panasonic	ERJ1GNF1003C	RESC1608X55N	1
R300	Resistor	1M	YAGEO (PHYCOMP)	RC0603FR-071ML	RESC1608X55N	1
R301, R304	Resistor	5mR/3W	Vishay	WSK1216L5000FE A	WSK12161L000FEA	2
R305	Resistor	470R	YAGEO (PHYCOMP)	RC0603FR- 10470RL	RESC1608X55N	1
S100, S300	Switch	OFF-(ON)	C & K COMPONENTS	PTS647SK38SMTR 2LFS	PTS647SK38SMTR2LFS	2
SB100, SB101, SB102, SB103, SB104, SB105, SB106, SB107	Solder Bridge	Solder Bridge		RC0603JR-070RL	SOLDER- BRIDGE_R0603-0R	8
U300	3 Input AND Gate	Triple_AND	Diodes Inc.	74LVC1G11W6-7	SOT95P285X140-6N	1