Designator	Value	Comment PWM_CONTROL	Description Header, 6-Pin	Footprint B6B-XH-A(LF)(SN)	Quantity 1
			CL21B104KCFNNNE, MULTILAYER		
C1, C38, C39, C40, C41	47nF	100V	CERAMIC	0805 - Capacitor	5
			CAPACITORS MLCC - SMD/SMT 100NF		
			100V 0805 ROHS		
			TDK C2012X7S2A105KT000		
C2, C4, C6	2200pF	10V	N, 1UF ±10% 100V X7S 0805 MULTILAYER	0805 - Capacitor	2
C2, C4, C6	2200pr	lov	CERAMIC	0005 - Capacitoi	3
			CAPACITORS MLCC - SMD/SMT ROHS		
			TDK		
			C2012X7S2A105KT000		
C3. C5. C21	1uF	100V	N, 1UF ±10% 100V X7S 0805 MULTILAYER	0805 - Capacitor	3
55, 55, 521			CERAMIC CAPACITORS MLCC -	, , , , ,	
			SMD/SMT ROHS		
C7, C13, C19, C22,			CL21B104KCFNNNE,		
C23, C24, C25, C28, C29, C30, C31, C32,	0.1uF	100V	MULTILAYER CERAMIC	090E Capacitor	18
C33, C34, C35, C36,	U. IUF	1000	CAPACITORS MLCC - SMD/SMT 100NF	0805 - Capacitor	10
C37, C44			100V 0805 ROHS		
			TDK C2012X7S2A105KT000		
			N, 1UF ±10% 100V X7S		
C8, C9, C26	1000pF	10V	0805 MULTILAYER CERAMIC	0805 - Capacitor	3
			CAPACITORS MLCC -		
			SMD/SMT ROHS 100ZLH100MEFC10X2		
			0, Aluminum		
C10, C14	100 vE	1001/	Electrolytic Capacitors Radial,	Electrolistic Co.	
C10, C14	100uF	100V	Can - 10000 Hrs @ 105°C, 100UF 20%	Electrolytic Cap	2
			105°C, 100UF 20% 100V		
C11 C1C	22.5	101/	Nonpolarized	DODE (0	
C11, C12	2.2uF	10V	Capacitor CL21B104KCFNNNE,	0805 - Capacitor	2
			MULTILAYER		
C15, C42, C43	10uF	100V	CERAMIC CAPACITORS MLCC -	0805 - Capacitor	3
			SMD/SMT 100NF		
			100V 0805 ROHS EEU-EE2V150,		
			Aluminum Electrolytic		
			Capacitors Radial,		
C16	15uF	100V	Can - 8000 Hrs @ 105°C, CAP ALUM	Electrolytic Cap	1
			15UF 20% 350V		
			RADIAL		
			CL21B104KCFNNNE, MULTILAYER		
C17, C18	28pF	100V	CERAMIC	0805 - Capacitor	2
			CAPACITORS MLCC - SMD/SMT 100NF		
			100V 0805 ROHS C0805C103K8RAC7800		
			. 10000pF ±10% 10V		
C20	10nF	10V	Ceramic Capacitor X7R 0805 (2012	0805 - Capacitor	1
			Metric)		
			TDK		
			C2012X7S2A105KT000 N, 1UF ±10% 100V X7S		
C27	4.7uF	100V	0805 MULTILAYER	0805 - Capacitor	1
			CERAMIC CAPACITORS MLCC -		
			SMD/SMT ROHS		
D1		RED	Light Emitting Diode WP-THRBU REDCUBE	4-PLCC RGB LED	1
			THR internal through-		
P1, P3, P6, P7, P8		M4x3mm	hole thread, 10x10mm, M4x3mm,	74650094	5
P2		CAN	8 pins, 85A Header, 4-Pin	b4b-xh	1
P4		PROGRAMMING	Header, 7-Pin CONN MICRO SD	HDR1X7	1
P5		DM3D-SF	CARD PUSH-PULL	FP-DM3D-SF-MFG	1
Q1, Q2, Q3, Q4, Q5, Q6		NMOS-2	N-Channel Power MOSFET	TO254P1651X1067X47 0-3	6
R1, R2, R4, R5, R6, R10, R14, R24, R25,	10k	10k	Resistor	0603 - Resistor	12
R26, R31, R37					
R3 R7, R8, R15, R17, R19	330 500u	330 500u	Resistor Resistor	0603 - Resistor RESC6430X66N	1 5
R9, R34, R35, R36 R11, R12, R23	2.2k 100	2.2k 100	Resistor Resistor	0603 - Resistor 0603 - Resistor	4
R13, R30, R32, R33	50k	50k	Resistor	0603 - Resistor	4
R16 R18, R27, R28, R29	120 500m	500m 500m	Resistor Resistor	0603 - Resistor 0603 - Resistor	1 4
R20, R21, R22	56	56	Resistor	0603 - Resistor	3
RT1, RT2, RT3, RT4,		10k	NTC Thermistor for Temperature Sensor,	ERT-J1VG103JA	8
RT5, RT6, RT7, RT8			SMD 0603, 10kΩ		
S1 U1		Switch - Push Button LIS3DHTR	Push Button Switch Accelerometer	6x6mm Switch LIS3DHTR	1
U2 U3		TJA1051T_3,118	Integrated Circuit	TJA1051T_3,118	1
U3 U4		STM32F405RGT6TR TLV1117-33IDCYR	Integrated Circuit	STM32F405RGT6TR TLV1117-33IDCYR	1
ur.		DDI (DDCCCCCT -	Multiphase Motor Driver Power	DDI/00000000	1
U5		DRV8323SRTAT	MOSFET SPI 40-	DRV8323SRTAT	1
U6, U7		INA180	WQFN_6x6_ 0V to 26V Current	INA180	2
U6, U7		TMUX1208PWR	Sense Amplifier Integrated Circuit	SOP65P640X120-16N	1
U9, U10		LM324AMX/NOPB	Gen Purp 4Ch Opamp	LM324AMX/NOPB	2
			16MHz ±20ppm		
Y1		ABM3-16.000MHZ-B2- T	Crystal 18pF 40 Ohms	ABM3-16.000MHZ-B2- T	1
	i .	1	2-SMD, No Lead		













