

Name	Designator	Quantity
	Resistors	
10Ω 0805	R306, R309, R312, R315	4
20Ω 0805	R003, R004	2
100Ω 0805	R201, R202, R203, R204, R205, R206, R207, R208, R209, R210, R211, R213, R403, R406, R409, R412, R415, R418, R421, R423, R607	21
510Ω 0805	R416, R422, R424, R601, R702	5
1kΩ 0805	R212, R401, R404, R407, R410, R413, R425, R501, R502, R602	10
1.4kΩ 0805	R608	1
5.1kΩ 0805	R402, R405, R408, R411, R414, R417, R419, R420	8
10kΩ 0805	R001, R002, R701	3
20kΩ 0805	R101, R305, R308	3
47kΩ 0805	R603, R604, R606	3
100kΩ 0805	R301, R302, R303, R304, R307, R310, R313, R316	8
1MΩ 0805	R005	1
3296W-1-103(100K)	R605	1
	Capacitors	
0.1uF 0805	C001, C002, C003, C004, C006, C007, C008, C102, C104, C106, C107, C109, C110, C201, C203, C204, C206, C207, C209, C210, C212, C213, C215, C301, C302, C401, C402, C403, C404, C405, C406, C407, C604	33
22pF 0805	C010, C011	2
12pF 0805	C012, C013	2
0.47uF 0805	C501, C502, C601, C602, C603	5
4.7uF 1206	C005	1
68uF CASE-B_3528	C009, C105, C108	3
680uF/35V CAP-TH_W10.0_P5.0	C101	1
100uF/35V CAP-TH_W6.3_P2.54	C202, C205, C208, C211, C214	5
220uF/16V CAP-SMD_W6.3	C103	1
	Inductors	
4.7uH 1206	L001	1
1uH 1206	L002	1
100uH CD127R(12-12-7)	L101	1
	Fuses	
12A SMD FUSE 1206	F1	1
2A SMD FUSE 1206	F2	1
0.25A SMD RESETABLE FUSE 3216	F3, F4	2
	Oscillators	
8M SMD 5032	XTAL1	1
32.768K TH_BD3.0_P1.10	XTAL2	1
	Diodes	
SS34 SMA	D101, D001	2
SS54 SMA	D102	1
SMBJ3.3CA	D501, D502	2
LED1206-R-RD	LED1, LED2, LED3	3
	Mosfets	
IRLS3034PBF	Q1	1
IRLR024NTRLPBF	Q2, Q3, Q4	3

IRLML6402TRPBF	Q5	1
	MC	
STM32F401RCT6	U01	1
USBLC6-2SC6	U02	1
LM2596S-12	U03	1
LM1117-3.3	U04	1
LM1117-5	U05	1
MC33152DR2G	U06, U07	2
PC817S	U08, U17	2
LM358M/TR	U09	1
TLP281-4	U10, U11	2
	Connectors	
1x3 male	POWERSWITCH1, POWERSWITCH2, POWERSWITCH3, POWERSWITCH4, POWERSWITCH5	5
1x4 male	PROG	1
2x5 male	MS_X, MS_Y, MS_Z, MS_A, MS_B	5
1x8 female	POLOLU connectors	10
XH-2.54 2pin	PS_ON, 3.3V, 5V, 12V_1, 12V_2, FAN0, FAN1, RPM, TTL, T_HOTBED, T_HOTEND	11
XH-2.54 3pin	X_LIMIT, Y_LIMIT, Z_LIMIT, A_LIMIT, B_LIMIT, FILAMENT	6
XH-2.54 4pin	X, Y, Z, A, B, PROBE	6
PH-2.0 SMD	UART	1
BH-10	EXP1, EXP2	2
KF301-5.0-2P	HOTEND/COOL	1
KF7.62 4-PIN	P1	1
USB-B01	USB1	1
	Buttons	
SWITCH SMD 4x3	RST, BOOT0	2