

Comment	Description	Value	Designator	Footprint	Quantity
LM1117IMPX-3.3/NOPB	+3,3V LDO LM1117MP-3.3		A1	SOT230P700X1.80-4N	1
100nF	CAP-CER 100n 50V 10% SMD 0603 X7R		C1, C2, C3, C4, C5, C19, C20, C23, C24, C27	CAPC1608X0.95N_0603	10
1µF	CAP-CER 1u 16V 10% SMD 0603 X7R		C6, C7, C8, C17, C21, C25, C26	CAPC1608X0.95N_0603	7
10µF	CAP-CER 10u 25V 10% SMD 1206 X7R		C9, C13, C14, C15, C16, C18, C22	CAPC3216X1.80N_1206	7
100µF	CAP-ELC 100u 25V 20% SMD D6.3mm H7.7mm R4.4mm		C10	CAPAE660X8.00N_D8	1
18pF	CAP-CER 18p 50V 5% SMD 0603 C0G		C11, C12	CAPC1608X0.87N_0603	2
SS1FL3HM3/H	DIO-SKY 30V 420mV 1A SMD DO-219AB SS1FL3HM3/H		D1, D2	SODFL3718X1.08N_DO-219AB	2
2 Pin male	2 Pin male		FAN0, FAN1, Thermistor	JST_B2B-XH-A(LF)(SN)	3
120	FERRIT-BEAD-120R-3A-1206		FB1, FB2	INDC3216X1.30N_1206	2
Terminalblock X2			Heater	TerminalblockX2	1
JP1X4	4 Pin PFOSTENSTECKER, Fastermaß 2,54mm		I2C, P2, P3	P1x4-R2.54-X0.67	3
STM32F072C8T6	Integrated Circuit		IC1	QFP50P900X900X160-48N	1
ME3116	1A up to 40V Input Step-Down DC/DC Regulator		IC2, IC3	SOT23-6	2
Switch Black	Tactile Switch		J1	Tactile_SW_2Pins	1
Switch Red	Tactile Switch		J2	Tactile_SW_2Pins	1
USB 3.1 C Receptacle	USB 3.1 Type C Receptacle Horizontal THR WVR-COM		J3	C165948	1
Ferrite_Bead	Ferrite_Bead	10mH	L1	0603	1
Inductor	Inductor	4.7uH/1.7A/1210	L2, L3	5.2x4mm	2
LED-0603 GN LC	LED WÜRTH 2mA 150060VS75000		LD1, LD2, LD3	LEDC1608X0.80N_0603	3
3 Pin male	3 Pin male		LED	JST_B3B-XH-A(LF)(SN)	1
JST-XH	4 Pin male		MOT	JST_B4B-XH-A(LF)(SN)	1
Marker IPC7351	Fiducial Marker IPC7351 Diameter 1.5mm, Clearance Diameter 3mm		MP1, MP2, MP3, MP4, MP5, MP6	PCB-Marker_IPC7351	6
JP1X3	3 PIN PFOSTENSTECKER, Rastermaß 2,54mm		P4	P1x3-R2.54-X0.63	1
IRFH3702TRPBF	N-MOSFET LOW RDSon		Q1, Q2, Q3	SON67P300X300X1.00-9N	3
10k	RES 10k 1% 100mW TK100 SMD 0603 G		R1, R2, R3, R10, R18, R20, R21, R26, R27, R32, R33, R34, R36	RESC1608X0.55N_0603	13
0	RES 0R 5% 100mW TK100 SMD 0603 G		R4, R6, R14, R16, R17	RESC1608X0.55N_0603	5
100k	RES 100k 1% 100mW TK100 SMD 0603 G		R9, R25	RESC1608X0.55N_0603	2
1k	RES 1k 1% 100mW TK100 SMD 0603 G		R11, R12, R35	RESC1608X0.55N_0603	3
470k	RES 470k 1% 100mW TK100 SMD 0603 G		R22	RESC1608X0.55N_0603	1
680R	RES 680R 1% 100mW TK100 SMD 0603 G		R23	RESC1608X0.55N_0603	1
4.7k	RES 4k7 1% 100mW TK100 SMD 0603 G		R28, R29, R30	RESC1608X0.55N_0603	3
P1X6-R2.54mm-V-X9.5mm	P1X6-R2.54mm-V-X9.5mm-Modu II Stiftleiste		SPI	P1X6-R2.54-V-X9.5	1
TMC2130BREAKOUT			TMC1	TMC2130BREAKOUT	1
CH224K	USB PD and Other Fast Charging Protocol Sink Controller	Value	U1	ESSOP100P600X180_E P-11N	1
XTAL_8MHz	Crystal		Y1	SMD-3225_4P	1