BOM - WLANThermo Nano v1 (Juni 2017)

Kennung im Schaltplan	Bauteilbezeichnung	Anmerkung	Größe	Menge	Händler	enthalten in
IC1	FT231XS-R	USB Interface	SSOP-20	1	Mouser	Mouser-Warenkorb
IC2	MIC2019A-2YM6-TR	Soft Start Power Switch USB	SOT-23-6	1	Mouser	Mouser-Warenkorb
IC3	MCP73831T-2ACI/OT	Battery Management	SOT-23-5	1	Mouser	Mouser-Warenkorb
IC4	AP2112K-3.3TRG1	Step Down 3V3	SOT-23-5	1	Mouser	Mouser-Warenkorb
IC5	AP3602AKTR-E1	Step Up 5V	SOT-23-6	1	Mouser	Mouser-Warenkorb
IC6	MAX11615EEE	ADC (12bit, 8CH)	QSOP-16	1	Mouser	Mouser-Warenkorb
IC7	LM4040AIM3-2.0/NOPB	Reference Voltage 2.048V	SOT-23-3	1	Mouser	Mouser-Warenkorb
C1 / C2	GRM1885C1H470JA01D	Ceramic Capacitor 47pF	SMD 0603	2	Mouser	Mouser-Warenkorb
C3 - 6 / C15 - 24	GRM188R71E104KA01D	Ceramic Capacitor 100nF	SMD 0603	14	Mouser	Mouser-Warenkorb
C7 - C12	GRM188R61A106KE69D	Ceramic Capacitor 10uF	SMD 0603	6	Mouser	Mouser-Warenkorb
C13 / C14	GRM188R61C105KA12J	Ceramic Capacitor 1uF	SMD 0603	2	Mouser	Mouser-Warenkorb
R1 / R2	RC0603FR-0727RL	27R, 1%	SMD 0603	2	Mouser	Mouser-Warenkorb
R3	RC0603FR-072K32L	2.32K, 1%	SMD 0603	1	Mouser	Mouser-Warenkorb
R4/5 | R17 | R33-40	RC0603FR-071KL	1K, 1%	SMD 0603	11	Mouser	Mouser-Warenkorb
R6 / R23	RC0603FR-07237RL	237R, 1%	SMD 0603	2	Mouser	Mouser-Warenkorb
R7 / R22	RC0603FR-074K99L	4.99K, 1%	SMD 0603	2	Mouser	Mouser-Warenkorb
R8	RC0603FR-073K48L	3.48K, 1%	SMD 0603	1	Mouser	Mouser-Warenkorb
R9 - R16 / R19 - R21	RC0603FR-0710KL	10K, 1%	SMD 0603	11	Mouser	Mouser-Warenkorb
R18	RC0603FR-07100KL	100K, 1%	SMD 0603	1	Mouser	Mouser-Warenkorb
R24 - R32	RC0603DR-0747KL	47K, 0.5%	SMD 0603	10	Mouser	Mouser-Warenkorb
EMI1	BLM18PG181SN1D	Ferrit Bead EMI Filter	SMD 0603	1	Mouser	Mouser-Warenkorb
F1	0ZCK0075FF2E	1.5A, Resetable Fuse	SMD 0805	1	Mouser	Mouser-Warenkorb
T1	DMP1045U-7	P-MOSFET	SOT-23-3	1	Mouser	Mouser-Warenkorb

T2 - T4	MMSS8050-H-TP	NPN	SOT-23-3	3	Mouser	Mouser-Warenkorb
T5 - T6	BSS138 SMD	MOSFET N-CH LOGIC	SOT-23-3	2	Mouser	Mouser-Warenkorb
D1	APTR3216SURCK	SMD LED RED	SMD 1206	1	Mouser	Mouser-Warenkorb
D2 (Tx/Rx)	HT-193NB-5589	SMD LED BLUE	SMD 0603	1	Mouser	Mouser-Warenkorb
D3 / D4	B130LAW-F	Diode (Power Switch)	SOD-123	2	Mouser	Mouser-Warenkorb
S1	EG1247	Schiebeschalter		1	Mouser	Mouser-Warenkorb
S2-S3	PTS645SM43SMTR 92 LFS	Tactile Switch 6x6x4,3mm		2	Mouser	Mouser-Warenkorb
K1	10118192-0001LF	Micro-USB Connector		1	Mouser	Mouser-Warenkorb
K3	171-PA35135-1-E	3.5x 1.3 mm Stecker		1	Mouser	Mouser-Warenkorb
K4 - K9	SJ-2523-SMT-TR	2.5 mm Klinkenbuchse		6	Mouser	Mouser-Warenkorb
K10	2,4 GHz Antenne	Keramikantenne		1	Mouser	Mouser-Warenkorb
K2	LiPo 504050	1500 mAh, 50x40x5 mm		1	Ebay	---
K3	DC031A / PJ-035-SMT-TR	DAC Connector		1	ALI	Bauteil-Kit
K11	OLED 0.96"	128x64, I2C, blue/yellow		1	ALI	Bauteil-Kit
X1	ESP8285	PSF-A85 WiFi Wireless Modul		1	itead	Bauteil-Kit
AL1	SUMMER	Buzzer SMD 5x5x2		1	Mouser	Mouser-Warenkorb
M1	Magnete	2x Neodym Quadermagnet 30 x 5 x 2 mm		1	Amazon	Bauteil-Kit
M2	Schrauben	4x M2 x 4mm, Blechschraube		1	Ebay	Bauteil-Kit
M3	Schrauben	4x M2 x 16mm, Kreuzsenkkopf, schwarz		1	ALI	Bauteil-Kit
P1	Platine	0,8 mm Platinendicke		1	GSV-Forum	---
G1	Gehäuse + Batterieschutz			1	3Dhubs	---