

## BOM - WLANThermo Nano v1

Version: Jun 17  
 By: s.ochs  
 Support: <https://forum.wlanthermo.de>



Kennung	Bauteilbezeichnung	Anmerkung	Größe	Menge	Händler	enthalten in
IC1	FT231XS-R	USB Interface	SSOP-20	1	<a href="#">Mouser</a>	<a href="#">Mouser-Warenkorb</a>
IC2	MIC2019A-2YM6-TR	Soft Start Power Switch USB	SOT-23-6	1	<a href="#">Mouser</a>	Mouser-Warenkorb
IC3	MCP73831T-2ACI/OT	Battery Management	SOT-23-5	1	<a href="#">Mouser</a>	Mouser-Warenkorb
IC4	AP2112K-3.3TRG1	Step Down 3V3	SOT-23-5	1	<a href="#">Mouser</a>	Mouser-Warenkorb
IC5	AP3602AKTR-E1	Step Up 5V	SOT-23-6	1	<a href="#">Mouser</a>	Mouser-Warenkorb
IC6	MAX11615EEE	ADC (12bit, 8CH)	QSOP-16	1	<a href="#">Mouser</a>	Mouser-Warenkorb
IC7	LM4040AIM3-2.0/NOPB	Reference Voltage 2.048V	SOT-23-3	1	<a href="#">Mouser</a>	Mouser-Warenkorb
C1 / C2	06035A470JAT4A	47pF, 5%, 50V	SMD 0603	2	<a href="#">Mouser</a>	Mouser-Warenkorb
C3 - 6 / C15 - 24	GCM188R91E104KA37D	100nF, 10%, 25V	SMD 0603	14	<a href="#">Mouser</a>	Mouser-Warenkorb
C7 - C12	GRM188Z71A106MA73J	10uF, 20%, 16V	SMD 0603	6	<a href="#">Mouser</a>	Mouser-Warenkorb
C13 / C14	GRT188R61C105KE13D	1uF, 20%, 10V	SMD 0603	2	<a href="#">Mouser</a>	Mouser-Warenkorb
R1 / R2	AC0603FR-0727RL	27R, 1%	SMD 0603	2	<a href="#">Mouser</a>	Mouser-Warenkorb
R3	CRCW06032K32FKEAC	2.32K, 1%	SMD 0603	1	<a href="#">Mouser</a>	Mouser-Warenkorb
R4/5   R17   R33-40	RC0603FR-131KL	1K, 1%	SMD 0603	11	<a href="#">Mouser</a>	Mouser-Warenkorb
R6 / R23	RC0603FR-07237RL	237R, 1%	SMD 0603	2	<a href="#">Mouser</a>	Mouser-Warenkorb
R7 / R22	CRCW06034K99FKEAC	4.99K, 1%	SMD 0603	2	<a href="#">Mouser</a>	Mouser-Warenkorb
R8	CRCW06033K48FKEAC	3.48K, 1%	SMD 0603	1	<a href="#">Mouser</a>	Mouser-Warenkorb
R9 - R16 / R19 - R21	AC0603FR-1010KL	10K, 1%	SMD 0603	11	<a href="#">Mouser</a>	Mouser-Warenkorb
R18	CRCW0603100KFKEAC	100K, 1%	SMD 0603	1	<a href="#">Mouser</a>	Mouser-Warenkorb
R24 - R32	RC0603DR-0747KL	47K, 0.5%	SMD 0603	10	<a href="#">Mouser</a>	Mouser-Warenkorb
EMI1	BLM18PG181SN1D	Ferrit Bead EMI Filter	SMD 0603	1	<a href="#">Mouser</a>	Mouser-Warenkorb

F1	OZCK0075FF2E	1.5A, Resetable Fuse	SMD 0805	1 <a href="#">Mouser</a>	Mouser-Warenkorb
T1	DMP1045U-7	P-MOSFET	SOT-23-3	1 <a href="#">Mouser</a>	Mouser-Warenkorb
T2 - T4	MMSS8050-H-TP	NPN	SOT-23-3	3 <a href="#">Mouser</a>	Mouser-Warenkorb
T5 - T6	BSS138 SMD	MOSFET N-CH LOGIC	SOT-23-3	2 <a href="#">Mouser</a>	Mouser-Warenkorb
D1	APTR3216SURCK	SMD LED RED	SMD 1206	1 <a href="#">Mouser</a>	Mouser-Warenkorb
D2 (Tx/Rx)	APT1608QBC/D	SMD LED BLUE	SMD 0603	1 <a href="#">Mouser</a>	Mouser-Warenkorb
D3 / D4	B130LAW-F	Diode (Power Switch)	SOD-123	2 <a href="#">Mouser</a>	Mouser-Warenkorb
S1	EG1247	Schiebeschalter		1 <a href="#">Mouser</a>	Mouser-Warenkorb
S2-S3	PTS645SM43SMTR 92 LFS	Tactile Switch 6x6x4,3mm		2 <a href="#">Mouser</a>	Mouser-Warenkorb
K1	10118192-0001LF	Micro-USB Connector		1 <a href="#">Mouser</a>	Mouser-Warenkorb
K3	171-PA35135-1-E	3.5x 1.3 mm Stecker		1 <a href="#">Mouser</a>	Mouser-Warenkorb
K4 - K9	SJ-2523-SMT-TR	2.5 mm Klinkenbuchse		6 <a href="#">Mouser</a>	Mouser-Warenkorb
K10	2,4 GHz Antenne	Keramikantenne		1 <a href="#">Mouser</a>	Mouser-Warenkorb
K2	LiPo 504050	1500 mAh, 50x40x5 mm		1 <a href="#">Ebay</a>	---
K3	DC031A	DAC Connector		1 <a href="#">ALI</a>	<a href="#">Bauteil-Kit</a>
K11	OLED 0.96"	128x64, I2C, blue/yellow		1 <a href="#">ALI</a>	Bauteil-Kit
X1	ESP8285	PSF-A85 WiFi Wireless Modul		1 <a href="#">itead</a>	Bauteil-Kit
AL1	SUMMER	Buzzer SMD 5x5x2		1 <a href="#">Mouser</a>	Mouser-Warenkorb
M1	Magnete	Neodym Quadermagnet 30 x 5 x 2 mm		2 <a href="#">Amazon</a>	Bauteil-Kit
M2	Schrauben	M2 x 4mm, Blechschraube		4 <a href="#">Ebay</a>	Bauteil-Kit
M3	Schrauben	M2 x 16mm, Kreuzsenkkopf, schwarz		4 <a href="#">ALI</a>	Bauteil-Kit
P1	Platine	0,8 mm Platinendicke		1 <a href="#">github</a>	---
G1	Gehäuse + Batterieschutz			1 <a href="#">thingiverse</a>	---