BOM - WLANThermo Nano v1+ PRO

Version: Jan 19 v2.3.6.6
By: s.ochs
Support: https://forum.wlanthermo.de

Kennung	Bauteilbezeichnung	Anmerkung	Größe	Menge	Händler	enthalten in
IC1	MCP73831T-2ACI/OT	Battery Management	SOT-23-5	1	Mouser	Mouser-Warenkorb
IC2	AP2112K-3.3TRG1	Step Down 3V3	SOT-23-5	1	Mouser	Mouser-Warenkorb
IC3	MAX11615EEE	ADC (12bit, 8CH)	QSOP-16	1	Mouser	Mouser-Warenkorb
IC4	LM4040AIM3-2.0/NOPB	Reference Voltage 2.048V	SOT-23-3	1	Mouser	Mouser-Warenkorb
IC5	M24C02-RMC6TG	I²C-Memory	UFDFPN-8	1	Mouser	Mouser-Warenkorb
IC6	FT232RQ	USB Interface	QNF-32	1	Mouser	Mouser-Warenkorb
IC7	TLV271CDBVR	Rail-to-Rail Operational Amplifier	SOT 23-5	1	Mouser	Mouser-Warenkorb
IC8	MT3608	DC-DC-Converter	SOT 23-6	1	ALI	Bauteil-Kit
C1	GRM31CD80J107ME39L	100uF, 6.3V, 20%	SMD 1206	1	Mouser	Mouser-Warenkorb
C2 - C5	GRM188R61A106KE69D	10uF, 10V, 20%, X5R or X7R	SMD 0603	4	Mouser	Mouser-Warenkorb
C6 - C8	CC0603KRX7R7BB105	1uF, 16V, 10%, X5R or X7R	SMD 0603	3	Mouser	Mouser-Warenkorb
C9	GRM188R61E225KA12D	2.2uF, 16V, 10%, X5R or X7R	SMD 0603	1	Mouser	Mouser-Warenkorb
C10	GRM188R61C475KAAJD	4.7uF, 16V, 10%, X7R	SMD 0603	1	Mouser	Mouser-Warenkorb
C11 / C12	GRM21BR61E226ME44L	22uF, 25V, 20%	SMD 0805	2	Mouser	Mouser-Warenkorb
C13 - C29	CC0603KRX7R8BB104	100nF, 25V, 10%	SMD 0603	17	Mouser	Mouser-Warenkorb
R1 - R3	CRCW06032K32FKEAC	2.32K, 1%	SMD 0603	3	Mouser	Mouser-Warenkorb
R4	CRCW0603390KFKEAC	390K, 1%	SMD 0603	1	Mouser	Mouser-Warenkorb
R5 - R8	CRCW0603100KFKEAC	100K, 1%	SMD 0603	4	Mouser	Mouser-Warenkorb
R9	CRCW06033K48FKEAC	3.48K, 1%	SMD 0603	1	Mouser	Mouser-Warenkorb
R10	RC0603FR-07237RL	237R, 1%	SMD 0603	1	Mouser	Mouser-Warenkorb
R11 - R21	RC0603FR-0710KL	10K, 1%	SMD 0603	11	Mouser	Mouser-Warenkorb
R22 - R31	RC0603DR-0747KL	47K, 0.5%	SMD 0603	10	Mouser	Mouser-Warenkorb
R36 - R44	RC0603FR-131KL	1K, 1%	SMD 0603	9	Mouser	Mouser-Warenkorb

Ref	Part	Description	Package	Qty	Source	Cart
F1	0ZCJ0150FF2C	Re. Fuse, IH 1.5A, IT 3.0A, 6V	SMD 1206	1	Mouser	Mouser-Warenkorb
F2	0ZCJ0050AF2E	Re. Fuse, IH 0.5A, IT 1.0A, 24V	SMD 1206	1	Mouser	Mouser-Warenkorb
T1 / T7	IRLML6402TR / DMP1045U-7	P-MOSFET	SOT-23-3	2	Mouser	Mouser-Warenkorb
T2 - T3	MMSS8050-H-TP	NPN	SOT-23-3	2	Mouser	Mouser-Warenkorb
T4 - T5	BSS138 SMD	MOSFET N-CH LOGIC	SOT-23-3	2	Mouser	Mouser-Warenkorb
T6	2SC3303	NPN	TO-252-3	1	reichelt	Bauteil-Kit
D1	APT1608SURCK	SMD LED RED	SMD 0603	1	Mouser	Mouser-Warenkorb
D2 / D3	1N5819W /B130LAW-F	Schottky Diode, If 1A, 0.5V	SOD-123	2	Mouser	Mouser-Warenkorb
D4 / D5	PMEG4030ER/8X	Schottky Rectifiers, If 3A	SOD-123-2	2	Mouser	Mouser-Warenkorb
S1	EG1247 / SK12D07VG4	Schiebeschalter		1	Mouser	Mouser-Warenkorb
S2 - S3	PTS645SM43SMTR 92 LFS	Tactile Switch 6x6x4,3mm		2	Mouser	Mouser-Warenkorb
L1	MPZ1608S600ATAH0	Ferrit Bead, > 3A, > 50 Ohms	SMD 0603	1	Mouser	Mouser-Warenkorb
L2	SRN6045TA-220M	22uH, 2.3A	SMD 6x6x4.	1	Mouser	Mouser-Warenkorb
K1	10118192-0001LF	Micro-USB Connector		1	Mouser	Mouser-Warenkorb
K2	LiPo 504050	1500 mAh, 50x40x5 mm		1	Ebay	---
K3*	171-PA35135-1-E	3.5x 1.3 mm Stecker		1	Mouser	Mouser-Warenkorb*
K3	DC031A	DAC Connector		1	ALI	Bauteil-Kit
K4 - K9	SJ-2523-SMT-TR	2.5 mm Klinkenbuchse		6	Mouser	Mouser-Warenkorb
X1	ESP-12S	ESP8266 WiFi Wireless Modul		1	Eckstein	Bauteil-Kit
X2	OLED 0.96"	128x64, I2C, blue/yellow		1	ALI	Bauteil-Kit
AL1	SUMMER	Buzzer SMD 5x5x2		1	Mouser	Mouser-Warenkorb
M1	Magnete	Neodym Quadermagnet 30 x 5 x 2 mm		2	Amazon	Bauteil-Kit
M2	Schrauben	M2 x 4mm, Blechschraube		4	Ebay	Bauteil-Kit
M3	Schrauben	M2 x 16mm, Kreuzsenkkopf, schwarz		4	ALI	Bauteil-Kit
P1	Platine	0,8 mm Platinendicke		1	github	Bauteil-Kit
G1	3D-Druckteile	Gehäuse + Batterieschutz + OLED-Halter		1	thingiverse	---