

## BOM - WLANThermo LINK V1

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By: s.ochs

<https://wlanthermo.de>



Kennung	Bauteilbezeichnung	Anmerkung	Größe	Menge	Händler	enthalten in
IC1	LM4040AIM3-2.0/NOPB	Reference Voltage 2.048V	SOT-23-3	1	<a href="#">Mouser</a>	<a href="#">Mouser-WK</a>
IC2	MAX11613E	ADC 12bit, 4CH	QSOP-8	1	<a href="#">Mouser</a>	Mouser-WK
C1	GRM31CR61A107ME05L	100uF, 6.3V, 20%, X5R	SMD 1206	1	<a href="#">Mouser</a>	Mouser-WK
C2 - C3	CC0603KRX7R7BB105	1uF, 16V, 10%, X5R/X7R	SMD 0603	2	<a href="#">Mouser</a>	Mouser-WK
C4	GRM188R61E225KA12D	2.2uF, 16V, 10%, X5R/X7R	SMD 0603	1	<a href="#">Mouser</a>	Mouser-WK
C5	GRM188R61C475KAAJD	4.7uF, 16V, 10%, X7R	SMD 0603	1	<a href="#">Mouser</a>	Mouser-WK
C6	GRM188R61A106KE69D	10uF, 10V, 20%, X5R/X7R	SMD 0603	1	<a href="#">Mouser</a>	Mouser-WK
C7 - C13	CC0603KRX7R8BB104	100nF, 25V, 10%, X5R/X7R	SMD 0603	7	<a href="#">Mouser</a>	Mouser-WK
R1	CRCW06032K32FKEAC	2.32K, 1%	SMD 0603	1	<a href="#">Mouser</a>	Mouser-WK
R2	CRCW06034K99FKEAC	4.99K, 1%	SMD 0603	1	<a href="#">Mouser</a>	Mouser-WK
R3	CRCW0603390KFKEAC	390K, 1%	SMD 0603	1	<a href="#">Mouser</a>	Mouser-WK
R4 / R13	RC0603FR-07237RL	237R, 1%	SMD 0603	2	<a href="#">Mouser</a>	Mouser-WK
R5 - R7	RC0603FR-071KL	1K, 1%	SMD 0603	3	<a href="#">Mouser</a>	Mouser-WK
R8 - R10	RC0603DR-0747KL	47K, 0.5%	SMD 0603	3	<a href="#">Mouser</a>	Mouser-WK
R11 - R12	AC0603FR-0710KL	10K, 1%	SMD 0603	2	<a href="#">Mouser</a>	Mouser-WK
R14	ERJ-P06J201V	200R, 500mW	SMD 0805	1	<a href="#">Mouser</a>	Mouser-WK
T1 - T2	BSS138 SMD	MOSFET N-CH LOGIC	SOT-23-3	2	<a href="#">Mouser</a>	Mouser-WK
D1	1N5819	Schottky Diode, If 1A, 0.5V	SOD-123	1	<a href="#">Mouser</a>	Mouser-WK
S1	PTS645SM43SMTR92LFS	Tactile Switch 6x6x4,3mm	6x6	1	<a href="#">Mouser</a>	Mouser-WK
F1	OZCJ0075AF2E	Re. Fuse, IH 0.75A, IT 1.5A, 16V	SMD 1206	1	<a href="#">Mouser</a>	Mouser-WK

K1	M20-7812045	Socket Header 2X20, SMD	RM 2.54	1 <a href="#">Mouser</a>	Mouser-WK
K2	UJC-HP-3-SMT-TR	USB-C Connector	SMD	1 <a href="#">Mouser</a>	Mouser-WK
K3 - K4	SJ-2523-SMT-TR	2.5 mm Klinkenbuchse		2 <a href="#">Mouser</a>	Mouser-WK
AL1	SUMMER	Buzzer SMD 4kHz	5x5x2	1 <a href="#">Mouser</a>	Mouser-WK
X1	OLED 1.3"	128x64, I2C, blue	30PIN	1	<a href="#">Bauteilkit</a>
P1	Platine	1 mm Platinendicke	67x40	1 <a href="#">github</a>	Bauteilkit
P2	ESP32-Kit*	WLANThermo ESP32		1 <a href="#">github</a>	<a href="#">Shop</a>
M1	Magnete	Neodym Quadermagnet 30 x 5 x 2 mm		2	Bauteilkit
M2	Schrauben	M2 x 4mm, Blechschraube		2	Bauteilkit
M3	Schrauben	M2 x 16mm, Kreuzsenkkopf, schwarz		4	Bauteilkit
G1	Gehäuse	3D-Druckteil		1 <a href="#">thingiverse</a>	Bauteilkit

\* Anmerkungen: Für den Betrieb an der LINK Platine muss das ESP32-Kit mit einer Stiftleiste versehen werden, also nicht wie bei Mini V1/V2 mit einer Buchsenleiste.



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