

Portables Mikrooptertool 3.9m

25.10.11

Cebra

**Achtung Bestellnummern ohne
Gewährleistung, bitte bestellte Teile
Anhand des Datenblattes, speziell auf die
Bauform überprüfen**

im Bausatz	Anzahl	Information/Beschrift.	Value	Parts	Device	Package	Conrad	Reichelt	Farnell	IT-WNS
x	1	1584 blau	1M58	R48	Widerstand SMD 0805	0805	diverse			
x	6	1001	1k	R25, R26, R33, R34, R38, R47	Widerstand SMD 0805	0805	diverse			
x	1	2201	2k2	R41	Widerstand SMD 0805	0805	diverse			
x	2	22R0	22	R51, R52	Widerstand SMD 0805	0805	diverse			
x	1	4702	47k	R45	Widerstand SMD 0805	0805	diverse			
x	3	1003	100k	R39, R49, R50	Widerstand SMD 0805	0805	diverse			
x	7	2400	240	R8, R21, R23, R24, R31, R32, R36	Widerstand SMD 0805	0805	diverse			
x	1	3093	309K	R46	Widerstand SMD 0805	0805	diverse			
x	3	4700	470	R19, R20, R37	Widerstand SMD 0805	0805	diverse			
x	5	1801	1k8	R7, R9, R10, R11, R13	Widerstand SMD 0805	0805	diverse			
x	9	3301	3k3	R14, R15, R16, R17, R18, R28, R30, R40, R43	Widerstand SMD 0805	0805	diverse			
x	1	4701	4k7	R22	Widerstand SMD 0805	0805	diverse			
x	3	1002	10k	R1, R12, R42, R44	Widerstand SMD 0805	0805	diverse			
x	2	1000	100	R27, R29	Widerstand SMD 0805	0805	diverse			
x	3	1500	150	R3, R5, R6	Widerstand SMD 0805	0805	diverse			
x	2	Grösse 0603 grün	PGB101	R53, R54	VARISTORCN0805	0603			1757240	
x	14	transparent	1µ	C6, C7, C8, C9, C10, C13, C15, C16, C17, C18,C21,C23,C26, C29	KerKo SMD 0805	0805	diverse			
x	2	beschriftet	22p	C4, C5	KerKo SMD 0805	0805	diverse			
x	1	Weiss, unbeschriftet	33n	C31	KerKo SMD 0805	0805	diverse			
x	8	Weiss, unbeschriftet	100n	C3, C12, C14, C19, C27, C30, C32, C33	KerKo SMD 0805	0805	diverse			
x	1	transparent, unbeschr.	10µ	C22	KerKo SMD 0805	0805	diverse			
x	1	100CFK	100µF	C24	Elko Low ESR 53CLV-0605	153CLV-0605		VF 100/16 K-D		
x	3	10 25V	10µ 16V	C20, C25, C28	Elko-CT7343	CT7343		SMD TAN.10/35		
x	1	A6E, transparent	1µ	C11	Elko SMCA	SMC_A		SMD TAN.1,0/16		
x	1		20 MHz	Q1	CRYSTALCTS406	CTS406	155953			
x	1		L-PISG 4,7µH	L2	L-EUPISG, Pulse P0770.472T	PISG	437022 - 62	L-PISG 4,7µH		
x	1	100	10µH	L1	LQH3C, FASTRON 1008AS-100K	LQH3C	434154 - 62	LQH3N 10µ		
x	4	W1	SD 103BW	D3, D4, D6, D8, D9	DIODE-SOD123	SOD123	162281 - 62	SD 103BW		
x	3	Z14, 3 Pins	SMDZD 3,3	D1, D2, D5	ZENER-DIODESOT23	SOT23		SMD ZD 3,3		
x	1	TR14	MBRS140	D7	SCHOTTKY-DIODESMD	SMB	163749 - 62			
x	1		blau	LED2	LEDCHIPLED_0805	0805	diverse			
x	2		gruen	LED3, LED5	LEDCHIPLED_0805	0806	diverse			
x	4		rot	LED1, LED4, LED6, LED8	LEDCHIPLED_0805	0807	diverse			
x	1		rot	LED7	3mm LED		diverse			
x	3	1Gt	BC847CSMD	T1, T2, T4	BC847CSMD	SOT23		BC 847C SMD		
x	1		FDT434P	T3	FDT434P	SOT223			1611577	
x	2		74HCT125D	IC4, IC5	74HCT125D	SO14	145076 - 62			
x	1		FT232RL	IC6	FT232RL	SSOP28		FT 232 RL		
x	1		LT1308	IC7	LT1308	SOIC8			1663407	
x	1		MAX1811N	IC8	MAX1811N	SO08		MAX 1811 ESA		
x	1		MCP1703 3,3V	IC9	MCP1703DB	SOT223		MCP 1703-3302		
x	1		Atmega1284P-AU	IC2	Atmega1284P-AU	TQFP44			1715480	
wahlweise	1		IC1-LED	Displaybeleuchtung	EA LED55X46			EA LED55X46-W		
wahlweise	1		EADOGM128	IC1	EA_DOG-M_DISPLAY			EA DOGM128B-6		
wahlweise	1		BTM-222 Bluetooth	IC3	BTM-222					BTM222
wahlweise	1		WI232EUR	IC10	WI232EUR2				1565157	
x	1		MINI-USB-SHIELD-UX60-M	X1	MINI-USB-A			USB BWM SMD		
x	1		SMA-	X2	SMA- Buchse			SMA REV BUE-180		
x	1		PS25/2	X3	PS25/2 Reichelt			PS 25/2W BR		
x	4		SMDTASTER	S1, S2, S3, S4	SMDTASTER			TASTER 9320		
x	1		20 pol Buchsenleiste		Präzisionsbuchsenleiste RM2,54mm		741386 - 62			
x	2		3 pol Buchsenleiste		3mm hoch		741386 - 62			
x	1		31mm Draht	BT-ANT1	ANTENNA Optional					
x	1		5V Summer	SG1	F/TMB			SUMMER TDB 05		
x	1		FC_HD2X5	SV2	2x5 Pol Pinheader			WSL 10G		

Tabelle1

1	ISP	SV1	6 Pol Pinheader	
1	Gehäuse		Strapubox 2062	
1	Leiterplatte			
1	Lipo Akku 1S		z.B. AKKU IPOD TOUCH	

WSL 6G
SP 2062 SW

x

Description
RESISTOR, European symbol
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RESISTOR, European symbol
RESISTOR, European symbol
RESISTOR, European symbol
RESISTOR, European symbol
ESD Supressor
CAPACITOR, European symbol
CAPACITOR, European symbol
CAPACITOR, European symbol
CAPACITOR, European symbol
CAPACITOR, European symbol
POLARIZED CAPACITOR, European symbol
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Quarz
Power Induktivität
Induktivität
DIODE
Z-Diode
Schottky Diode
LED
LED
LED
LED
NPN Transistor
MOS-FET
Quad bus BUFFER, 3-state
USB- Seriellwandler
500mA, Low Noise, LDO Micropower Regulators
LIPO Laderegler
250 mA, 16V, Low Quiescent Current LDO Regulator
Atmel AVR Mikrocontroller
EA_DOG-M_BACKLIGHT Weiss
Display Blau
Bluetooth Modul
Wi232 RF Modul
MINI USB Connector
SMA 50 Ohm End Launch Jack Receptacle - Round Contact
Lipo Stecker Buchse + Stecker mit Kabel
Taster
20 pol Buchsenleiste DOGM
3 pol Buchsenleiste DOGM
Antenna
BUZZER
10 pol Wannenstecker

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x	2	Grösse 0603 grün	PGB101	R53, R54	VARISTORCN0805
x	14	transparent	1 μ	C6, C7, C8, C9, C10, C13, C15, C16, C17, C18,C21,C23,C26, C29	KerKo SMD 0805
x	2	beschriftet	22p	C4, C5	KerKo SMD 0805
x	1	Weiss, unbeschriftet	33n	C31	KerKo SMD 0805
x	8	Weiss, unbeschriftet	100n	C3, C12, C14, C19, C27, C30, C32, C33	KerKo SMD 0805
x	1	transparent, unbeschr.	10 μ	C22	KerKo SMD 0805

x	1		100CFK	100µF	C24	Elko Low ESR 53CLV-0605
x	3		10 25V	10µ 16V	C20, C25, C28	Elko-CT7343
x	1		A6E, transparent	1µ	C11	Elko SMCA
x	1			20 MHz	Q1	CRYSTALCTS406
x	1			L-PISG 4,7µH	L2	L-EUPISG, Pulse P0770.472T
x	1		100	10µH	L1	LQH3C, FASTRON 1008AS-100K
x	4		W1	SD 103BW	D3, D4, D6, D8, D9	DIODE-SOD123
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x	1			rot	LED7	3mm LED
x	3		1Gt	BC847CSMD	T1, T2, T4	BC847CSMD
x	1			FDT434P	T3	FDT434P
x	2			74HCT125D	IC4, IC5	74HCT125D
x	1			FT232RL	IC6	FT232RL
x	1			LT1308	IC7	LT1308
x	1			MAX1811N	IC8	MAX1811N
x	1			MCP1703 3,3V	IC9	MCP1703DB
x	1			Atmega1284P-AU	IC2	Atmega1284P-AU

wahlweise	1		IC1-LED	Displaybeleuchtung	EA LED55X46
wahlweise	1		EADOGM128	IC1	EA_DOG-M_DISPLAY
wahlweise	1		BTM-222_Bluetooth	IC3	BTM-222
wahlweise	1		W1232EUR	IC10	W1232EUR2
x	1		MINI-USB-SHIELD-UX60-MIX1		MINI-USB-A
x	1		SMA-	X2	SMA- Buchse
x	1		PS25/2	X3	PS25/2 Reichelt

x	4		SMDTASTER	S1, S2, S3, S4	SMDTASTER
x	1		20 pol Buchsenleiste		Präzisionsbuchsenleiste RM2,54mm
x	2		3 pol Buchsenleiste		3mm hoch
	1		31mm Draht	BT-ANT1	ANTENNA Optional
x	1		5V Summer	SG1	F/TMB
x	1		FC_HD2X5	SV2	2x5 Pol Pinheader
	1		ISP	SV1	6 Pol Pinheader
	1		Gehäuse		Strapubox 2062
x	1		Leiterplatte		
	1		Lipo Akku 1S		z.B. AKKU IPOD TOUCH

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