

Boczek_schm_BOM

Order QTY	Board QTY	Order Sub-total	Unit Price	Part	Value
10	1	26,00 zł	2,60 zł	C1	4.7uF 25V 2 ohms ESR (ok enough?)
10	1	18,80 zł	1,88 zł	C2	22uF 16V 1 ohm ESR (ok?)
10	1	2,80 zł	0,28 zł	C3	47nF
20	4	7,04 zł	0,35 zł	C4 C8 C9 C13	10pF
10	3	5,87 zł	0,59 zł	C6 C14 C17	1nF
10	3	2,85 zł	0,29 zł	C7 C15 C16	100nF
10	4	4,45 zł	0,45 zł	C5 C10 C11 C12	2.2uF
2	1	187,08 zł	93,54 zł	IC1	HMC431LP4ETR
4	1	8,32 zł	2,08 zł	IC2	TPS613222ADBVR
3	1	43,26 zł	14,42 zł	IC3	RFPA5542BTR13
2	1	7,28 zł	3,64 zł	IC4	MCP1826S-3302E_DB
0	1	0,00 zł	0,00 zł	JP1	
10	1	20,40 zł	2,04 zł	L1	2.2uH
10	2	20,40 zł	2,04 zł	L2 L3	4.7uH
4	1	5,28 zł	1,32 zł	LED1	Amber 20mA
4	1	3,68 zł	0,92 zł	LED2	Green 20mA
5	1	3,41 zł	0,68 zł	Q1	BC847A
10	1	0,67 zł	0,07 zł	R1	10k
20	3	1,60 zł	0,08 zł	R2 R11 R12	0
20	4	1,34 zł	0,07 zł	R3 R5 R10 R13	1k
10	1	0,40 zł	0,04 zł	R4	3.3k*
10	1	0,40 zł	0,04 zł	R6 R7	10
10	1	0,40 zł	0,04 zł	R8	100
10	1	0,40 zł	0,04 zł	R9	100k
2	1	22,34 zł	11,17 zł	SL1	please use 3500 mAh batts If you want 4h battery life
2	1	19,14 zł	9,57 zł	X1	50 ohm SMA female pcb edge mount
		0,00 zł			
2	1	60,00 zł	30,00 zł		1.6 mm thickness
Gross:					
Total	473,61 zł	=	PLN		
for	2	devices	plus shipping		
for	1	device:	236,80 zł		

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waga	50g	0,05	4 736,09 zł/kg
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Device	Package
CPOL-EUSMCE	SMC_C
CPOL-EUSMCE	SMC_C
C-EUC1206	C1206
C-EUC0603	C0603
C-EUC0603	C0603
C-EUC1206	C1206
C-EUC0402	C0402
HMC431LP4ETR	QFN50P400X400X100-25N
TPS613222ADBVR	SOT95P280X145-5N
RFPA5542BTR13	QFN50P400X400X85-21N
MCP1826S-3302E_DB	SOT230P700X180-4N
JP1E	JP1
SM-NE45	SM-NE45
Converter Power Inductor	4mm x 3mm x 4mm
LEDSMT1206	1206
LEDSMT1206	1206
BC847	SOT23
R-EU_R0805	R0805
R-EU_R0805	R0805
R-EU_R0805	R0805
R-EU_R0805	R0805
R-EU_R0805	R0805
R-EU_R0805	R0805
R-EU_R0805	R0805
18650 holder	
SMA-142-0701-871/876	CON-SMA-EDGE
JLC04161H-7628 Stackup	PCB

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Description	MANUFACTURER_NAME
POLARIZED CAPACITOR, European symbol	Vishay / Sprague
POLARIZED CAPACITOR, European symbol	KYOCERA AVX
CAPACITOR, European symbol	KEMET
CAPACITOR, European symbol	Walsin
CAPACITOR, European symbol	Würth Elektronik
CAPACITOR, European symbol	KYOCERA AVX
CAPACITOR, European symbol	YAGEO
VCO Oscillators VCO SMT w/Buffer amp, 5.5 – 6.1 GHz	Analog Devices
6-µA Quiescent Current, 1.8-A Switch Current Boost Converter	Texas Instruments
RF Amplifier 5GHz Discrete PA	Qorvo
LDO Regulator 1A 3.3V SOT223-3 MCP1826S-3302E/DB, Low Dro	Microchip
JUMPER	
INDUCTOR	Bourns
INDUCTOR	Laird Performance Materials
LED	Lite-On
LED	Würth Elektronik
NPN TRANSISTOR	onsemi
RESISTOR, European symbol	YAGEO
RESISTOR, European symbol	Vishay / Dale
RESISTOR, European symbol	Walsin
RESISTOR, European symbol	Walsin
RESISTOR, European symbol	Walsin
RESISTOR, European symbol	Walsin
RESISTOR, European symbol	Walsin
Cylindrical Battery Contacts, Clips, Holders & Springs 18650 P	Keystone Electronics
SMA 50 Ohm End Launch Jack Receptacle - Round Contact	114SMAFRA.YC
Board Stackup	

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MANUFACTURER_PART_NUMBER	MOUSER_PART_NUMBER
293D475X9025C2TE3	74-293D475X9025C2TE3
TAJC226M016RNJ	581-TAJC226M016R
C1206C473K5RACTU	80-C1206C473K5R
RF15N100J250CT	791-RF15N100J250CT
885382206005	710-885382206005
KGM31BR71H104KT	581-KGM31BR71H104KT
CC0402KRX5R8B225	603-CC0402KRX5R8B225
HMC431LP4ETR	584-HMC431LP4ETR
TPS613222ADBVR	595-TPS613222ADBVR
RFPA5542BTR13	772-RFPA5542BTR13
MCP1826S-3302E/DB	579-MCP1826S-3302EDB
SRP3212A-2R2M	652-SRP3212A-2R2M
TYS40304R7M-10	875-TYS40304R7M-10
LTST-C150AKT	859-LTST-C150AKT
150120VS75000	710-150120VS75000
BC847AWT1G	863-BC847AWT1G
AC0805JR-0710KL	603-AC0805JR-0710KL
CRCW08050000Z0EAC	71-CRCW08050000Z0EAC
WR08X1001FTL	791-WR08X1001FTL
WR08X332JTL	791-WR08X332JTL
WR08X100JTL	791-WR08X100JTL
WR08X101JTL	791-WR08X101JTL
791-WR08X104JTL	WR08X104JTL
1043	534-1043
CON-SMA-EDGE	114SMAFRA.YC

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<https://www.mouser.pl/ProductDetail/Vishay-Sprague/293D475X9025C2TE3?qs=sGAEpiMZZMtZ1n0r9vR22R2elOEA%2>
<https://www.mouser.pl/ProductDetail/KYOCERA-AVX/TAJC226M016RNJ?qs=sGAEpiMZZMtZ1n0r9vR22f0Jgorj1M1ufAV>
<https://www.mouser.pl/ProductDetail/KEMET/C1206C473K5RACTU?qs=sGAEpiMZZMukHu%252BjC5I7YcpPB13qOHL9>
<https://www.mouser.pl/ProductDetail/Walsin/RF15N100J250CT?qs=sGAEpiMZZMsh%252B1woXyUXj5SpREZxJCz7m2V>
<https://www.mouser.pl/ProductDetail/Wurth-Elektronik/885382206005?qs=sGAEpiMZZMt7gvpyg0xT8tCg5CynaY7NxV1d>
<https://www.mouser.pl/ProductDetail/KYOCERA-AVX/KGM31BR71H104KT?qs=Jm2GQyTW%2FbjhvPjYj1wIYA%3D%3D>
<https://www.mouser.pl/ProductDetail/YAGEO/CC0402KRX5R8BB225?qs=0lQeLiL1qyYyJhAVzXjbiw%3D%3D>
<https://www.mouser.pl/ProductDetail/Analog-Devices/HMC431LP4ETR?qs=pceeu5JH%2FH%2FRfErFx7EAsA%3D%3D>
<https://www.mouser.pl/ProductDetail/Texas-Instruments/TPS613222ADBVR?qs=W0yvOO0ixfE4d69WXsn8NQ%3D%3D>
<https://www.mouser.co.uk/ProductDetail/Qorvo/RFPA5542BTR13?qs=u4fy%2FsgLU9OlcUWfOD%252Bf6g%3D%3D>
<https://www.mouser.co.uk/ProductDetail/Microchip-Technology-Atmel/MCP1826S-3302E-DB?qs=gsqZ4L1luKqjUo%2Fe%3D%3D>
<https://www.mouser.pl/ProductDetail/Bourns/SRP3212A-2R2M?qs=t7xnP681wgXn6xyeAWQUgg%3D%3D>
<https://www.mouser.pl/ProductDetail/Laird-Performance-Materials/TYS40304R7M-10?qs=cCJXSq33DME5rlwYhom2LA%3D%3D>
<https://www.mouser.pl/ProductDetail/Lite-On/LTST-C150AKT?qs=osRiLXwJd0WBpdBnGWjYQ%3D%3D>
<https://www.mouser.pl/ProductDetail/Wurth-Elektronik/150120VS75000?qs=LIUIMxKlyB19Jz1m%2F52oVA%3D%3D>
<https://www.mouser.pl/ProductDetail/onsemi/BC847AWT1G?qs=vNc2DXHODiLhGeJiJa%252BVKw%3D%3D>
<https://www.mouser.pl/ProductDetail/YAGEO/AC0805JR-0710KL?qs=ygRr%2Ftkhtes%252BG%252B8d7tcP9w%3D%3D>
<https://www.mouser.pl/ProductDetail/Vishay-Dale/CRCW08050000Z0EAC?qs=E3Y5ESvWgWMnvHb9ZvShmA%3D%3D>
<https://www.mouser.pl/ProductDetail/Walsin/WR08X1001FTL?qs=1w%252B2sDiFrrG9QUazmDfw8A%3D%3D>
<https://www.mouser.pl/ProductDetail/Walsin/WR08X332-JTL?qs=1w%252B2sDiFrrFmEm9bf8ikYw%3D%3D>
<https://www.mouser.pl/ProductDetail/Walsin/WR08X100-JTL?qs=1w%252B2sDiFrrH8fEn7ox81PA%3D%3D>
<https://www.mouser.pl/ProductDetail/Walsin/WR08X101-JTL?qs=1w%252B2sDiFrrFG0edZ9nmRhw%3D%3D>
<https://www.mouser.pl/ProductDetail/Walsin/WR08X104-JTL?qs=1w%252B2sDiFrrHxNcdKjG04Tg%3D%3D>
<https://www.mouser.pl/ProductDetail/Keystone-Electronics/1043?qs=%2F7TOpeL5Mz6j%2FnxOA1rsg%3D%3D>
<https://www.mouser.pl/ProductDetail/RF-Solutions/CON-SMA-EDGE?qs=UkDUCjYnTB3wOPRCaplkvw%3D%3D>

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