

Hyjeia v0.5 BOM

Please note that these are just recommendations. For commodity parts, cheaper versions can be sourced in China.

Quantity	Reference	Part	Manufacturer	Part Number	Distributor
1	ANT1	RP-SMA			
1	BLN1	RF BALUN-DUAL			
2	CN1,CN2	JST-XH2P	JST	B2B-XH-A(LF)(SN)	Mouser, Digikey
3	CN3,CN4,CN5	JST-XH3P	JST	B3B-XH-A (LF) (SN)	Mouser, Digikey
1	CN6	JST-XH4P	JST	B4B-XH-A (LF) (SN)	Mouser, Digikey
1	CN7	JST-XH6P	JST	B6B-XH-A (LF) (SN)	Mouser, Digikey
1	C1	1.3 pF	Kemet	C0603C139B3HACTU	Mouser
1	C2	DNI			
3	C3,C4,C5	5.6 pF	Kemet	C0603C569C5GACTU	Mouser
4	C6,C7,C8,C9	0.01 uF	Yageo	AC0603KPX7R9BB103	Mouser
9	C10,C13,C14,C15,C16,C17, C18,C19,C20,C25	22uF/6.3V	AVX	08056D226MAT4A	Mouser
2	C11,C12	12 pF	AVX	06031A120JAT4A	Mouser
4	C21,C22,C23,C24	0.1 uF	Taiyo Yuden	EMK107B7104KAHT	Mouser
5	D1,D2,D3,D6,D7	SM LED 0603 - Red	Kingbright	APTD1608LSURCK	Mouser
1	D4	Schottky Diode	ON Semiconductor	SS34FA	Mouser
1	D5	SM LED 0603 - Blue	Kingbright	APTD1608LQBCD	Mouser
1	H4	Header 3x2	Amphenol	54102-G0803LF	Mouser
1	J1	2.1mm Barrel Jack	Kobiconn	163-7620E-E	Mouser
1	L1	1.2 nH	Bourns	CI160808-1N2D	Mouser
1	L2	47 uH	Sumida	CD54NP-470LC	Mouser
5	R1,R2,R10,R15,R16,R17	330	Vishay	CRCW0603330RFKEAC	Mouser
2	R3,R4	100k	Vishay	CRCW0603100KFKEAC	Mouser
1	R5	1k	Panasonic	ERJ-PB3B1001V	Mouser
11	R6,R7,R8,R11,R12,R13,R14, R18,R19,R20,R21	10k	Vishay	CRCW060310K0JNEBC	Mouser
1	R9	4.7k	Vishay	MCT0603MC4701FP500	Mouser
1	SW1	2 Position DIP Switch	CTS Electrocomponents	206-2ST	Mouser
1	S1	SWITCH_SLIDE/THRU-3	C&K	SK12D07VG4NSPA	Mouser

4	S2,S3,S4,S5	PUSHBUTTON/SMD	Schurter	1301.9317	Mouser
1	U1	AT86RF212B-ZUR	Microchip	AT86RF212B-ZUR	Mouser
1	U2	AMS1117-5.0	TI	LM1117MP-5.0/NOPB	Mouser
1	U3	MCP73831	Microchip	MCP73831T-2ATI/OT	Mouser
1	U4	AP2112K-3.3TRG1	Diodes, Inc	AP2112K-3.3TRG1	Mouser
1	U5	CE8301A50			
1	U6	74LVC125A	Nexperia	74LVC125ADB,118	Mouser
1	U7	LM4040BIM3-2.5	Maxim Integrated	LM4040BIM3-2.5/V+T	Mouser
1	U8	ATMEGA328P-AU	Microchip	ATMEGA328P-AU	Mouser
1	Y1	NX3225SA, 15PPM	Abracon	ABM8GAIG-16.000MHZ-8-7Z-T	Mouser