

Hyjeia v0.5 BOM

Quantity	Reference	Part	Manufacturer
1	ANT1	RP-SMA	
1	BLN1	RF BALUN-DUAL	
2	CN1,CN2	JST-XH2P	JST
3	CN3,CN4,CN5	JST-XH3P	JST
1	CN6	JST-XH4P	JST
1	CN7	JST-XH6P	JST
1	C1	1.3 pF	Kemet
1	C2	DNI	
3	C3,C4,C5	5.6 pF	Kemet
4	C6,C7,C8,C9	0.01 uF	Yageo
9	C10,C13,C14,C15,C16,C17, C18,C19,C20,C25	22uF/6.3V	AVX
2	C11,C12	12 pF	AVX
4	C21,C22,C23,C24	0.1 uF	Taiyo Yuden
5	D1,D2,D3,D6,D7	SM LED 0603 - Red	Kingbright
1	D4	Schottky Diode	ON Semiconductor
1	D5	SM LED 0603 - Blue	Kingbright
1	H4	Header 3x2	Amphenol
1	J1	2.1mm Barrel Jack	Kobiconn
1	L1	1.2 nH	Bourns
1	L2	47 uH	Sumida
5	R1,R2,R10,R15,R16,R17	330	Vishay
2	R3,R4	100k	Vishay
1	R5	1k	Panasonic
11	R6,R7,R8,R11,R12,R13,R14, R18,R19,R20,R21	10k	Vishay
1	R9	4.7k	Vishay
1	SW1	2 Position DIP Switch	CTS Electrocomponents
1	S1	SWITCH_SLIDE/THRU-3	C&K
4	S2,S3,S4,S5	PUSHBUTTON/SMD	Schurter
1	U1	AT86RF212B-ZUR	Microchip
1	U2	AMS1117-5.0	TI
1	U3	MCP73831	Microchip
1	U4	AP2112K-3.3TRG1	Diodes, Inc
1	U5	CE8301A50	
1	U6	74LVC125A	Nexperia
1	U7	LM4040BIM3-2.5	Maxim Integrated
1	U8	ATMEGA328P-AU	Microchip
1	Y1	NX3225SA, 15PPM	Abracon

Part Number	Distributor
B2B-XH-A(LF)(SN)	Mouser, Digikey
B3B-XH-A (LF) (SN)	Mouser, Digikey
B4B-XH-A (LF) (SN)	Mouser, Digikey
B6B-XH-A (LF) (SN)	Mouser, Digikey
C0603C139B3HACTU	Mouser
C0603C569C5GACTU	Mouser
AC0603KPX7R9BB103	Mouser
08056D226MAT4A	Mouser
06031A120JAT4A	Mouser
EMK107B7104KAHT	Mouser
APTD1608LSURCK	Mouser
SS34FA	Mouser
APTD1608LQBCD	Mouser
54102-G0803LF	Mouser
163-7620E-E	Mouser
CI160808-1N2D	Mouser
CD54NP-470LC	Mouser
CRCW0603330RFKEAC	Mouser
CRCW0603100KFKEAC	Mouser
ERJ-PB3B1001V	Mouser
CRCW060310K0JNEBC	Mouser
MCT0603MC4701FP500	Mouser
206-2ST	Mouser
SK12D07VG4NSPA	Mouser
1301.9317	Mouser
AT86RF212B-ZUR	Mouser
LM1117MP-5.0/NOPB	Mouser
MCP73831T-2ATI/OT	Mouser
AP2112K-3.3TRG1	Mouser
74LVC125ADB,118	Mouser
LM4040BIM3-2.5/V+T	Mouser
ATMEGA328P-AU	Mouser
ABM8GAIG-16.000MHZ-8-7Z-T	Mouser