

SHM\_V2.0\_BOM

Reference	Value	Purchase Link	Manufacturer	Part Number	#	Price	#	Qty
ANT1	ANT2012LL00R2400A	<a href="#">ANT2012LL00R2400A Pulse Electronics   RF and Wireless   DigiKey</a>	Pulse Electronics	ANT2012LL00R2400A		0.39		1
C1, C3, C5, C7, C14, C19, C21	0.1uF	<a href="#">CL05B104KP5NNNC Samsung Electro-Mechanics   Capacitors   DigiKey</a>	Samsung Electro-Mechanics	CL05B104KP5NNNC		0.0053		7
C2, C6, C8, C18	10uF	<a href="#">GRM155R61A106ME11D Murata Electronics   Capacitors   DigiKey</a>	Murata Electronics	GRM155R61A106ME11D		0.0365		4
C4, C13, C17, C27	1uF	<a href="#">CL05A105KA5NQNC Samsung Electro-Mechanics   Capacitors   DigiKey</a>	Samsung Electro-Mechanics	CL05A105KA5NQNC		0.0459		4
C11, C12	8pF	<a href="#">CL05C080D851PNC Samsung Electro-Mechanics   Capacitors   DigiKey</a>	Samsung Electro-Mechanics	CL05C080D851PNC		0.0249		2
C15, C16	1.2pF	<a href="#">GRM0335C1E1R2BA01D Murata Electronics   Capacitors   DigiKey</a>	Murata Electronics	GRM0335C1E1R2BA01D		0.0144		2
C22-C24	10uF	<a href="#">CL10A106K08NNNC Samsung Electro-Mechanics   Capacitors   DigiKey</a>	Samsung Electro-Mechanics	CL10A106K08NNNC		0.0259		3
C25	2.2nF/2200pF	<a href="#">C0603C222K5RACTU KEMET   Capacitors   DigiKey</a>	KEMET	C0603C222K5RACTU		0.0247		1
C26	1uF	<a href="#">CL10B105KP8NNNC Samsung Electro-Mechanics   Capacitors   DigiKey</a>	Samsung Electro-Mechanics	CL10B105KP8NNNC		0.007		1
D1	Q8LP600-RGB	<a href="#">Q8LP600-RGB QT Brightek (QTR)   Capacitors   DigiKey</a>	QT Brightek (QTB)	Q8LP600-RGB		0.389		1
D2	HSP053-4M5	<a href="#">HSP053-4M5 STMicroelectronics   Capacitors   DigiKey</a>	STMicroelectronics	HSP053-4M5		0.1463		1
F1	1206L110/16WR	<a href="#">1206L110/16WR Littelfuse Inc.   Capacitors   DigiKey</a>	Littelfuse Inc.	1206L110/16WR		0.934		1
J2	USB4160-03-0230-C	<a href="#">USB4160-03-0230-C GCT   Capacitors   DigiKey</a>	GCT	USB4160-03-0230-C		1.2583		1
J3	SM02B-SURS-TF	<a href="#">SM02B-SURS-TF JST Sales America Inc.   Capacitors   DigiKey</a>	JST Sales America Inc.	SM02B-SURS-TF		0.5836		1
JP1	Jumper_2_Bridged			DNP				1
L1	2.0nH	<a href="#">LQG15HN2N0C02D Murata Electronics   Capacitors   DigiKey</a>	Murata Electronics	LQG15HN2N0C02D		0.0526		1
L2	2.7nH	<a href="#">LOP03TN2N7B02D Murata Electronics   Capacitors   DigiKey</a>	Murata Electronics	LOP03TN2N7B02D		0.0353		1
L3	2.2AµH	<a href="#">CS160808-2R2K Bourns Inc.   Capacitors   DigiKey</a>	Bourns Inc.	CS160808-2R2K		0.0906		1
R1	1.5k	<a href="#">ERJ-2GEJ152X Panasonic Electronic Components   Capacitors   DigiKey</a>	Panasonic Electronic Components	ERJ-2GEJ152X		0.0196		1
R2	40.2R	<a href="#">RMCF0402FT40R2 Stackpole Electronics Inc   Capacitors   DigiKey</a>	Stackpole Electronics Inc	RMCF0402FT40R2		0.0135		1
R3, R4, R17, R18	5.1k	<a href="#">RC0402FR-075K1L YAGEO   Capacitors   DigiKey</a>	YAGEO	RC0402FR-075K1L		0.0096		4
R5, R9, R14, R15	499R	<a href="#">RC0402FR-07499RL YAGEO   Capacitors   DigiKey</a>	YAGEO	RC0402FR-07499RL		0.0096		4
R7	47k	<a href="#">RC0402FR-0747KL YAGEO   Capacitors   DigiKey</a>	YAGEO	RC0402FR-0747KL		0.0111		1
R8	100k	<a href="#">RC0402JR-07100KL YAGEO   Capacitors   DigiKey</a>	YAGEO	RC0402JR-07100KL		0.008		1
R10-R13, R16, R19	10k	<a href="#">RC0402JR-0710KL YAGEO   Capacitors   DigiKey</a>	YAGEO	RC0402JR-0710KL		0.0096		6
R20	60.4R	<a href="#">TFA0402R6042F-T10 Thin Film Technology Corp.   Capacitors   DigiKey</a>	Thin Film Technology Corp.	TFA0402R6042F-T10		0.0134		1
R21	220R	<a href="#">RC0402FR-07220RL YAGEO   Capacitors   DigiKey</a>	YAGEO	RC0402FR-07220RL		0.0096		1
TC1	DNP	<a href="#">TC2030-IDC Tag-Connect LLC   Capacitors   DigiKey</a>	Tag-Connect LLC	TC2030-IDC				1
TP1-TP15	DNP			DNP				15
U1	BME280	<a href="#">BME280 Bosch Sensortec   Capacitors   DigiKey</a>	Bosch Sensortec	BME280		4.7649		1
U2	W25Q64JVXGQ TR	<a href="#">W25Q64JVXGQ TR Winbond Electronics   Capacitors   DigiKey</a>	Winbond Electronics	W25Q64JVXGQ TR		1.3578		1
U3	NPM1100-QDAA-R	<a href="#">NPM1100-QDAA-R Nordic Semiconductor   Capacitors   DigiKey</a>	Nordic Semiconductor	NPM1100-QDAA-R		1.4698		1
U4	ESP32-C6	<a href="#">ESP32-C6 Espressif Systems   Capacitors   DigiKey</a>	Espressif Systems	ESP32-C6		3.18		1
U7	DEA162500LT-1217A1	<a href="#">DEA162500LT-1217A1 TDK Corporation   Capacitors   DigiKey</a>	TDK Corporation	DEA162500LT-1217A1		0.2966		1
X1	R2520-40.000-8-F-1010-1	<a href="#">R2520-40.000-8-F-1010-TR-NS3 Raltron Electronics   Capacitors   DigiKey</a>	Raltron Electronics	R2520-40.000-8-F-1010-TR-NS3		0.2363		1