

Comment	Description	Designator	Footprint	LibRef	Manufacturer 1	Manufacturer Part Number 1	Quantity	Supplier 1	Supplier Currency 1	Supplier Order Qty 1	Supplier Part Number 1	Supplier Stock 1	Supplier Subtotal 1	Supplier Unit Price 1	Value
22uF	CAP CER 22UF 6.3V X5R 0402	C1	0201-cap	CAP0805	AVX Corporation	04026D226MAT2A	1	Digi-Key	USD	10000	478-9839-2-ND	0	1999.28564	0.19993	
4u7	CAP CER 4.7UF 6.3V X5R 0201	C2	0201-cap	CAP0603	Murata Electronics North America	GRM035R60J475M E15D	1	Digi-Key	USD	10000	490-13230-2-ND	150000	951.4725	0.09515	
1u	CAP CER 1UF 6.3V X5R 0201	C3, C6	0201-cap	CAP0603	Murata Electronics North America	GRM033R60J105M EA2D	2	Digi-Key	USD	15000	490-7229-2-ND	120000	259.74037	0.01732	
0u1	CAP CER 0.1UF 16V Y5V 0402	C4, C7	0201-cap	CAP0402	Murata Electronics North America	GRM033C81E104M E14D	2	Digi-Key	USD	15000	490-10404-2-ND	30000	143.56257	0.00957	
GRM21BR60G107ME15L		C5	C0805	Capacitor	Murata Electronics North America	GRM21BR60G107 ME15L	1	Digi-Key	USD	5000	490-10510-1-ND	395480	2132.17882	0.42644	100uF
1u		C8, C10	0603-CAP	CAPACITOR-0603	Taiyo Yuden	JMK105BJ105KVHF	2	Digi-Key	USD	10000	587-3766-1-ND	102358	144.62951	0.01446	
0.1u		C9	0402-CAP	CAPACITOR-0402	Yageo	CC04022RYSV7BB1 04	1	Digi-Key	USD	10000	311-1047-2-ND	1540000	25.29041	0.00253	
100u		C11	1206-CAP	CAPACITOR-1206	TDK Corporation	C3216X5R1A107M 160AC	1	Digi-Key	USD	5000	445-6007-2-ND	2000	2537.57612	0.50752	
8p	CAP CER 8PF 50V NPO 0201	C12, C13	0201-cap	CAP0402	Murata Electronics North America	GRM0335C1H8R0 DA01J	2	Digi-Key	USD	10000	490-13331-1-ND	31391	27.26622	0.00273	
CAP CER 10000PF 50V X7R 0402		C14, C18, C19, C20	CAPC1005L	Cap	TDK Corporation	CGA2B3X7R1H103 K050BB	4	Digi-Key	USD	20000	445-6893-1-ND	469988	331.14626	0.01656	10nF
Cap	CAP CER 1UF 6.3V X5R 0402	C15, C16	CAPC1005L	Cap	Taiyo Yuden	JMK105BJ105KVHF	2	Digi-Key	USD	10000	587-3766-1-ND	102358	144.62951	0.01446	1uF
Cap	Capacitor	C17	CAPC2012L	Cap	Taiyo Yuden	JMK212BBJ226MG HT	1	Digi-Key	USD	5000	587-3391-1-ND	86146	357.66167	0.07153	22uF
JST_GH_H4	SM04B-GHS-TB	CAN	JST_GH_H4	JST_GH_H4	JST Sales America Inc.	SM04B-GHS-TB(LF)(SN)-	1	Digi-Key	USD	5000	455-1566-2-ND	75000	996.04684	0.19921	
AMBER	LED 1.6X0.8 DOME ORN CLEAR SMD	LED1, LED2, LED3, LED4	0603-LED	LED0603	Kingbright	APT01608SECK/J4-PF	4	Digi-Key	USD	20000	754-1802-1-ND	7633	3933.29041	0.19666	AMBER
JST_SUR_6	Connector, Header, 6Pos, 8mm IDC, R/A, SMD, Tin	P1	JST_SUR_H6	JST_SUR_6	JST Sales America Inc.	SM06B-SURS-TF(LF)(SN)	1	Digi-Key	USD	5000	SM06B-SURS-TF(LF)(SN)-ND	0	2236.65981	0.44733	
RES SMD 120 OHM 5% 1/16W 0402	RES SMD 120 OHM 5% 1/16W 0402	R1, R15	R0402	Resistor	Yageo	RC0402JR-07120RL	2	Digi-Key	USD	10000	311-120JRT-ND	490000	14.38392	0.00144	120R
220R	RES 220 OHM 1/16W 1% 0402 SMD	R3, R4, R5, R6	0402-RES	RESISTOR0402-RES	Yageo	RC0402FR-07220RL	4	Digi-Key	USD	20000	311-220LRCT-ND	728492	40.14852	0.00201	220R
JST_GH_V6	BM06B-GHS-TBT	SERIAL	JST_GH_V6	JST_GH_V6	JST Sales America Inc.	BM06B-GHS-TBT(LF)(SN)(N)	1	Digi-Key	USD	5000	455-1582-2-ND	72500	1192.75878	0.23855	
VL53LOX		TOF1	VL53LOX	VL53LOX	STMicroelectronics	VL53LOCXV0DH/1	1	Digi-Key	USD	5000	497-16538-2-ND	10000	13256.20347	2.65124	
MIC5353	LDO in 1.6mm x 1.6mm Package The MIC5353 is a high-performance, single-output, ultra- low LDO (ULDOTM) regulator, offering a low total output noise of 30µVRMS. The MIC5353 is capable of sourcing 500mA output current and offers high-PSRR and low-output noise, making it an ideal solution for RF applications. The MIC5353 provides 2% accuracy, extremely low dropout voltage (160mV @ 500mA), and low ground current (typically 90µA) making it ideal for battery-operated applications. When disabled, the MIC5353 enters a zero- off- mode current state, thereby drawing almost no current. The	U1	MLF-6-1.6MM	MIC5353	Microchip Technology	MIC5353-3.3YMT-TR	1	Digi-Key	USD	5000	576-3680-1-ND	24985	1413.4966	0.2827	
NCV8154	IC REG LDO 1.8v and 2.8v	U2	NCV8154	NCV8154	ON Semiconductor	NCV8154MTW1802 80TCG	1	Digi-Key	USD	5000	NCV8154MTW1802 80TCGOSTR-ND	3000	1486.68072	0.29734	
CAN		U3	SON65P300X100_HS-9N	CAN	NXP USA Inc.	TJA1051TK/3,118	1	Digi-Key	USD	6000	568-8686-2-ND	48000	2299.18243	0.3832	
IC MCU M4 64KB FLASH 32UFQFPN	72 Mhz Cortex-M4F MCU with 16 KB RAM, 64 KB flash	U4	QFN50P500X500X6 0-32L	STM32F302K8U6	STMICROELECTRONICS	STM32F302K8U6TR	1	Newark	USD	5000	41Y5840	0	9150	1.83	
DWM1000		UJWB1	DWM1000	DWM1000	Decawave Limited	DWM1000	1	Digi-Key	USD	5000	1479-1002-2-ND	32500	87382.30477	17.47646	
Crystal Oscillator in	CRYSTAL 24MHZ 8P	X1	OSCILLATOR-1.6x1	OSCILLATOR-3.2X2	TXC CORPORATION	BQ-24.000MEEV-T	1	Digi-Key	USD	5000	887-1846-2-ND	0	4712.15589	0.94243	