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
8p	CAP CER 8PF 50V NP0 0201	C1, C2	0201-cap	CAP0402			2	Digi-Key			490-13331-1-ND				
0u1	CAP CER 0.1UF 6V Y5V 0201, CAP CER 0.1UF 16V Y5V 0402	C3, C4, C7, C12, C13, C14, C15, C17, C18, C19, C21	0201-cap	CAP0402			11	Digi-Key			490-10404-2-ND				
GRM21BR60G107ME15L		C5	C0805	Capacitor			1	Digi-Key			490-10510-1-ND				100uF
1u	CAP CER 1UF 6.3V X5R 0201	C6	0201-cap	CAP0603			1	Digi-Key			490-7229-2-ND				
1u		C8, C10	0603-CAP	CAPACITOR-0603			2	Digi-Key			587-3766-1-ND				
0.1u		C9	0402-CAP	CAPACITOR-0402			1	Digi-Key			311-1047-2-ND				
100u		C11	1206-CAP	CAPACITOR-1206			1	Digi-Key			445-6007-2-ND				
Cap	CAP CER 1UF 6.3V X5R 0402	C16_CAN1, C16_CAN2	CAPC1005L	Cap			2	Digi-Key			587-3766-1-ND				1uF
2u2		C20, C22	0603-CAP	CAP0603			2	Digi-Key			445-7438-1-ND, 445-7438-6-ND				
JST_GH_V4	BM04B-GHS-TBT	CANV_CAN1, CANV_CAN2	JST_GH_V4	JST_GH_V4			2	Digi-Key			455-1580-2-ND				
JST_GH_H4	SM04B-GHS-TB	CAN_CAN1, CAN_CAN2	JST_GH_H4	JST_GH_H4			2	Digi-Key			455-1566-2-ND				
PMEG2005CT	DIODE SCHOTTKY 20V 500MA TO236AB	D2	SOT23-3	PMEG2005CT			1	Digi-Key			568-6500-1-ND				20V
0ZCA0035FF2G	PTC RESTIBLE 0.35A 16V CHIP 1206	F1, F2	PTC-1206	PTCSMD			2	Digi-Key			507-1479-1-ND				0.35A
AMBER	LED 1.6X0.8 DOME ORN CLEAR SMD	LED1, LED2, LED3, LED4	0603-LED	LED0603			4	Digi-Key			754-1802-1-ND				AMBER
JST_SUR_6	Connector, Header, 6Pos, .8mm IDC, R/A, SMD, Tin	P1	JST_SUR_H6	JST_SUR_6			1	Digi-Key			SM06B-SURS-TF(LF)(SN)-ND				
10K	RES 10K OHM 1% 0201 SMD	R2	0201-RES	RESISTOR0402-RES			1	Digi-Key			P15980TR-ND				
220R	RES 220 OHM 1/16W 1% 0402 SMD	R3, R4, R5, R6	0402-RES	RESISTOR0402-RES			4	Digi-Key			311-220LRCT-ND				220R
1K		R7	0402-RES	RESISTOR0402-RES			1	Digi-Key			311-1.00KLRCT-ND				
10K		R8, R9	0402-RES	RESISTOR0402-RES			2	Digi-Key			311-10.0KLRCT-ND				
RES SMD 120 OHM 5% 1/16W 0402	RES SMD 120 OHM 5% 1/16W 0402	R15_CAN1, R15_CAN2	R0402	Resistor			2	Digi-Key			311-120JRTR-ND				120R
MIC5353	MIC5353 - 500mA LDO in 1.6mm × 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	U1	MLF-6-1.6MM	MIC5353			1	Digi-Key			576-3680-1-ND				
STM32F427IIH7	ARM Cortex-M4 32-bit MCU+FPU, 210 DMIPS, 2048 kB Flash, 256 kB Internal RAM, 140 I/Os, 176-pin UFBGA, -40 to 105 degC, Tray	U2	STM-UFBGA176+25	STM32F427IIH7			1	Farnell			2393651				
CAN		U3_CAN1, U3_CAN2	SON65P300X100_HS-9N	CAN			2	Digi-Key			568-8686-2-ND				
NUF2042XV6	IC FILTER USB ESD PROTECT SOT363	U4	SOT563-6	NUF2042XV6			1	Digi-Key			NUF2042XV6T1GOSDKR-ND				
47346-0001	MICRO USB B, BOTTOM MOUNT	USB	MOLEX-47346-0001	MOLEX-47346-0001			1	Digi-Key							
DWM1000		UWB1	DWM1000	DWM1000			1	Digi-Key			1479-1002-2-ND				
Crystal Oscillator in SMD 1.6 x 1.2	CRYSTAL 24MHZ 8PF SMD	X1	OSCILLATOR-1.6x1.2	OSCILLATOR-3.2X2.5			1	Digi-Key			887-1846-2-ND				