

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
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				
0u1	CAP CER 0.1UF 16V Y5V 0402	C7	0201-cap	CAP0402			1	Digi-Key			490-10404-2-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				
8p	CAP CER 8PF 50V NPO 0201	C12, C13	0201-cap	CAP0402			2	Digi-Key			490-13331-1-ND				
CAP CER 10000PF 50V X7R 0402	CAP CER 10000PF 50V X7R 0402	C14, C18, C19, C20	CAPC1005L	Cap			4	Digi-Key			445-6893-1-ND				10nF
Cap	CAP CER 1UF 6.3V X5R 0402	C15, C16	CAPC1005L	Cap			2	Digi-Key			587-3766-1-ND				1uF
Cap	Capacitor	C17	CAPC2012L	Cap			1	Digi-Key			587-3391-1-ND				22uF
JST_GH_H4	SM04B-GHS-TB	CAN, CAN1	JST_GH_H4	JST_GH_H4			2	Digi-Key			455-1566-2-ND				
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				
RES SMD 120 OHM 5% 1/16W 0402	RES SMD 120 OHM 5% 1/16W 0402	R1, R15	R0402	Resistor			2	Digi-Key			311-120JRT-ND				120R
220R	RES 220 OHM 1/16W 1% 0402 SMD	R3, R4, R5, R6	0402-RES	RESISTOR0402-RES			4	Digi-Key			311-220LRCT-ND				220R
JST_GH_V6	BM06B-GHS-TBT	SERIAL	JST_GH_V6	JST_GH_V6			1	Digi-Key			455-1582-2-ND				
	MIC5353 - 500mA 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														
MIC5353		U1	MLF-6-1.6MM	MIC5353			1	Digi-Key			576-3680-1-ND				
CAN		U3	SON65P300X100_HS-9N	CAN			1	Digi-Key			568-8686-2-ND				
IC MCU M4 64KB FLASH 32UFCFPN	72 MHz Cortex-M4F MCU with 16 KB RAM, 64 KB flash	U4	QFN50P500X500X60-32L	STM32F302K8U6			1	Newark			41Y5840				
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				