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	0.1uF, CC0603KRX7R9BB104	CC0603KRX7R9BB104 CAP CER 0.1UF 50V X7R 0603, CAP CER 0.1UF 50V X7R 0603	C1, C3, C11, C15, C16, C17, C18, C19				8						
	10uF	CL10A106KP8NNNC Capacitor	C2, C6, C7, C8, C9, C10, C14				7						
	22pF	CC0603JRNPO9BN220 Chip Capacitor, 22 pF, +/- 5%, 50 V, -55 to 125 degC, 0603 (1608 Metric), RoHS, Tape and Reel	C4, C5, C12, C13				4						
	6 Pin Connector	B6B-XH-A_LFSN_ Connector	J1_U_Accelometer and Gyroscope1, J1_U_Accelometer and Gyroscope2, J5_U_Motor Drivers1, J5_U_Motor Drivers2, J8_U_Steppers1, J8_U_Steppers2				6						
	TYPE-C	TYPE-C-31-M-12 USB Connectors 24 Receptacle 1 8.94*7.3mm RoHS	J3				1						
	4 Pin Connector	CONN HEADER VERT 4POS 2.5MM	J4_U_Encoders1, J4_U_Encoders2, J7_U_Sonar Sensor1, J7_U_Sonar Sensor2, J7_U_Sonar Sensor3				5 JST	B4B-XH-A(LF)(SN)	Volume Production				
	2 Pin Connector	CONN HEADER VERT 2POS 2.5MM	J6				1 JST	B2B-XH-AM(LF)(SN)	Volume Production				
	6 Pin Connector	Connector	J10				1						
	Red	LED	LED1, LED2, LED3				3						
	1.5K, 1M	AF0603FR-071K5L Anti-Sulfurated Chip Resistors Automotive Grade 1.5kΩ 1% 100ppm/°C 0603, AF0603FR-071K5L Anti-Sulfurated Chip Resistors Automotive Grade 1.5kΩ 1% 100ppm/°C 0603	R1, R2, R3, R7, R8				5						
	5.1K	0603WAF5101T5E	R4				1						
	5.1K	0603WAF5101T5E Resistor	R5				1						
	10K	RC0603JR-0710KL Resistor, 10 KOhm, +/- 5%, 100 mW, -55 to 155 deqC, 0603 (1608 Metric), RoHS, Tape and Reel	R6, R9, R10				3						
	PTS526SK15SMTR2LFS	TACT 5.2 X 5.2, 1.5 MM H, 260GF,	SW1				1 ITT C&K	PTS526SK15SMTR2LFS					
	CH340G	USB Interface Integrated Circuit	U1				1						
	LM1117MPX-5.0	800mA Low-Dropout Linear Regulator, 4-pin SOT-223	U2, U3				2 TI National Semiconductor	LM1117MPX-5.0	End of Life				
	ATMEGA2560-16AUR	IC MCU 8BIT 256KB FLASH 100TQFP	U4				1 Microchip	ATMEGA2560-16AUR	Volume Production				
	12MHz Crystal, 16MHz	ABM8G-12.000MHZ-18-D2Y-T Crystal 12MHz ±20ppm (Tol) ±30ppm (Stability) 18pF FUND 1200 4-Pin SMD T/R, ABM8G-16.000MHZ-18- D2Y-T Crystal 12MHz ±20ppm (Tol) ±30ppm (Stability) 18pF FUND 1200 4-Pin SMD T/R	Y1, Y2				2						