0		Destantant.		Detections										
Component		Designator		Datasheet										
Microcontroller		STM32F405RGT6		https://www.st.com/content/ccc/resource/technical/document/datasheet/ef/92/76/6d/bb/c2/4f/f7/DM00037051.pdf/files/DM000037051.pdf/files/DM000037051.pdf/file										
Flash Memory		W25Q32JVZPIQ (Quad SPI)		https://www.lcsc.com/datasheet/lcsc_datasheet_2304140030_Winbond-Elec-W25Q32JVZPIQ_C571260.pdf										
Static RAM		IS61LV5128AL-10TLI (Parellel)		https://www.lcsc.com/datasheet/lcsc_datasheet_1806101621_ISSI-Integrated-Silicon-Solution-IS61LV5128AL-10TLI_C40493.pdf										
Inertial MU (ACCEL, GYRO, MAGNO)		ICM-20948 (I2C)		https://invensense.tdk.com/wp-content/uploads/2016/06/DS-000189-ICM-20948-v1.3.pdf?ref_disty=digikey										
Barometric Pressure Sensor		LPS22HBTR (I2C or SPI)		$\underline{\text{https://www.st.com/content/ccc/resource/technical/document/datasheet/bf/c1/4f/23/61/17/44/8a/DM00140895.pdf/files/DM00140895.pdf/jcr.content/translations/en.DM00140895.pdf} \\ \underline{\text{https://www.st.com/content/ccc/resource/technical/document/datasheet/bf/c1/4f/23/61/17/44/8a/DM00140895.pdf/files/DM00140895.pdf/jcr.content/translations/en.DM00140895.pdf} \\ \underline{\text{https://www.st.com/content/ccc/resource/technical/document/datasheet/bf/c1/4f/23/61/17/44/8a/DM00140895.pdf/files/DM00140895.pdf/jcr.content/translations/en.DM00140895.pdf} \\ \text{https://www.st.com/content/ccc/resource/technical/document/datasheet/bf/c1/4f/23/61/17/44/8a/DM00140895.pdf/files/DM00140895.pdf/jcr.content/translations/en.DM00140895.pd$										
Temperature Sensor		TMP1075DSGR (I2C SMBus)		https://www.ti.	com/lit/ds/symlink/t	mp1075.pdf								
Global Positioning System		MAX2771ETI (SPI)		https://www.ar	nalog.com/media/e	n/technical-doc	umentation/data-she	ets/MAX2771.pdf						
RF Transceiver		SX1262IMLTR	Γ (LoRA Modulatio	on https://semtech.my.salesforce.com/sfc/p/#E0000000JeIG/a/2R000000HT7B/4cQ1B3JG0iKRo9DGRkjVuxclfwB.3tfSUcGr.S_dPd4										
DC-DC Converter		MPM3810GQB	-33-Z (None)	https://www.monolithicpower.com/en/documentview/productdocument/index/version/2/document_type/Datasheet/lang/en/sku/MPM3810GQB/document_tid/2083										
Battery Management System		BQ7790508PW (I2C)		https://www.lcsc.com/datasheet/lcsc_datasheet_1806022223_Texas-Instruments-BQ7790508PW_C206178.pdf										
Analog-to-Digital Converters (HIGH-RES)		MCP3221A6T-E/OT (I2C)		https://ww1.microchip.com/downloads/en/DeviceDoc/20001732E.pdf										
Digital-to-Analog Converters (HIGH-RES)		MCP4726A0T-E/CH (I2C)		https://ww1.microchip.com/downloads/en/DeviceDoc/22272C.pdf										
Pulse Width Modulation Motor Driver		A4935KJPTR-T (None)		https://www.mouser.com/datasheet/2/1115/Allegro 62524 A4935 Datasheet-3464793.pdf										
Crystal Oscillator		ECS-2333		https://ecsxtal.	https://ecsxtal.com/store/pdf/ecs-2325-2333.pdf									
Piezo Buzzer	CPT-1117-83-S		MT-TR	https://www.cuidevices.com/product/resource/c			t-1117-83-smt-tr.pdf							
LiPo Battery														
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2.94 (Microcontroller) 0.91 (Flash Me		norv)	2.60 (Static RAM)		4.79 (Inertial MU)		0.89 (Barometric Pressure Sensor)							
0.34 (Temperature Sensor) 12.98 (GPS)			1.91 (RF Tranceiver)		0.99 (DC-DC Converter)		2.25 (Battery Management System)							
2.06 (ADC (HIGH-RES)) 2.31 (DAC (HIG		H-RES))	0.93 (PWM Motor Driver)		5.24 (Crystal Oscillator)		0.70 (Piezo Buzzer)							
We're getting digital servos for	, ,			,	. ,		,							
,		,												
Use one DC-DC converter for e	ach level of necessa	arv voltage												
DARYL YOU HAVE TO PURCH														
Thank you past me	. IOL OO. II CLIVI LII													