



Commit	Dorginting	Dorigenter	Footsist	LibRef	Manufacturer 1	Manufacturer 2	Manufacturer Part Number 1	Manufacturer Part	Quantity	Sup-line 9	Supplier Currency	Supplier Currency	Supplier Order Oty 1	Supplier Order Oty 2	Supplier Part Number 1	Supplier Part Number 2	Supplier Stock 1	Supplier Stock 2	Supplier Subtotal	Supplier Subtotal	Supplier Unit Price	Supplier Unit Price
Comment	Description 32 Bit Arduino-	Designator	Footprint	LIDKET	-wanuracturer 1	wanusacturer 2	I 19dinuvi	Number 2	Quantity Supplier 1	Supplier 2		2	uty I	Gty 2	Number I	Number 2	Supplier Stock 1	заррнег STOCK 2		2		2
Teensy 3.2	Compatible Microcontroller	BRD1	Teensy	Teensy	Supplier disabled		Supplier disabled		1 Sparkfun	OSH Park	Supplier disabled				DEV-13736							
	CAP CER 0.1UF				Murata Electronics		GRM188R71H104K	GRM188R71H104K								81-						
0.1 uF	50V X7R 0603	C1, C2, C8, C15	0603	Сар	North America	Murata Electronics	A93D https://octopart-	A93D	4 Digi-Key	Mouser	USD	USD	4	4	490-1519-1-ND	GRM39X104K50D	6221909	948746	0.4	0.4	0.1	0.1
					https://octopart- clicks.com/click/alt		clicks.com/click/alt ium?manufacturer															
					ium?manufacturer =Murata%20Electr		=Murata%20Electr onics&mon=GRM															
					onics&mpn=GRM		188R61E106MA73															
					188R61E106MA73 D&seller=Mouser		D&seller=Mouser &sku=81-															
					&sku=81- GRM188R61E106M		GRM188R61E106 MA3D&country=U															
	CAP CER 10UF				A3D&country=US &channel=BOM%		S&channel=BOM	GRM188R61E106M								81- GRM188R61E106M						
10 uF	25V X5R 0603	C3, C6, C7, C9	0603	Сар	20Report&	Murata Electronics	man &	A73D	4 Digi-Key	Mouser	Loading	USD		4	490-7202-1-ND	A3D	0	70226		1.6		0.4
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					onics&mpn=GRM 1885C1H120JA01D		onics&mpn=GRM 1885C1H120JA01D															
					&seller=Mouser& sku=81-		&seller=Mouser& sku=81-															
					GRM39C120J50&c		GRM39C120J50&c															
	CAP CER 12PF 50V				ountry=US&chan nel=BOM%20Rep		ountry=US&chan nel=BOM%20Rep	GRM1885C1H120J														
12 pF	NP0 0603	C4, C5	0603	Cap	ort&	Murata Electronics	ort&ref=man& https://octopart-	A01D	2 Digi-Key	Mouser	Loading	USD	1	2	490-1405-1-ND	81-GRM39C120J50	0	58342		0.2		0.1
					https://octopart- clicks.com/click/alt		clicks.com/click/alt ium?manufacturer															
					ium?manufacturer =Murata%20Electr		=Murata%20Electr onics&mpn=GRM															
					onics&mpn=GRM		1887U1H512JA01D															
					1887U1H512JA01D &seller=Mouser&		&seller=Mouser& sku=81-															
					sku=81- GRM1887U1H512J		GRM1887U1H512J A1D&country=US															
	CAP CER 5100PF				A1D&country=US &channel=BOM%		&channel=BOM% 20Report&ref=ma	GPM1887111UE121								81- GRM1887U1H512J						
0.0051uF	50V U2J 0603	C10, C11, C12	0603	Сар	20Report&	Murata Electronics	n&	A01D	3 Digi-Key	Mouser	Loading	USD		3	490-6399-1-ND	A1D	0	0		0.6		0.2
Charge	Socket	Charge	PIN1	Socket					1	Mouser												
Header 2 Header	Header, 2-Pin Header, 4-Pin	Ext Bat1, LS2	HDR1X2 HDR1X4	Header 2 Header 4					2	Mouser Mouser			1									
	CONN HEADER	T .																				
4 Pos Mini-Fit Jr.	4POS 4.2MM R/A TIN	J5	4 POS MINI-FIT JR	4 Pos Header Vert	Molex, LLC	Molex	39300040	39-30-0040	1 Digi-Key	Mouser	USD	USD	1	1	WM21352-ND	538-39-30-0040	4759	2541	0.97	1.01	0.97	1.01
	Ferrite Bead 80ohms 100MHz																					
80 Ohms	5A Monolithic 0805 SMD	L1	0805	Ferrite Bead	Laird Technologies	Laird Technologies	HI0805R800R-10	HI0805R800R-10	1 Mouser	Mouser	USD	USD	,	١.	875-HI0805R800R- 10	875-HI0805R800R- 10	159678	159678	0.1	0.1	0.1	0.1
Header 5	Header, 5-Pin	LS1	HDR1X5	Header 5		indiogles			1	Mouser							10,076	13,370	0.1	0.1	0.1	0.1
	IC INDCT LOAD			N-FET	ON	ON									NUD3124LT1GOSC	863-						
N-FET	DRVR AUTO SOT23	Q1, Q2	SOT-23-3		Semiconductor	Semiconductor	NUD3124LT1G	SZNUD3124LT1G	2 Digi-Key	Mouser	USD	USD	2	2	T-ND	SZNUD3124LT1G	14262	5381	1.08	1.28	0.54	0.64
0.557	MOSFET P-CH 30V			0.557	Alpha & Omega Semiconductor	International		IDIAN DOOG	<u></u>	l.,	LICO	LIGO			705 4004 : ::-	942-						
P-FET	4.3A SOT23 RES SMD 4.7K	U3	SOT-23-3	P-FET	Inc. Panasonic	Rectifier	AO3407A	IRLML9301TRPBF	1 Digi-Key	Mouser	USD	USD	1	1	785-1006-1-ND	IRLML9301TRPBF	126663	9335	0.44	0.48	0.44	0.48
4.7k	OHM 1% 1/10W 0603	R1, R4, R5	0603	Chip Resistor	Electronic Components	Panasonic	ERJ-3EKF4701V	ERJ-3EKF4701V	3 Digi-Key	Mouser	USD	USD	3	3	P4.70KHCT-ND	667-ERJ- 3EKF4701V	3242147	540266	0.3	0.3	0.1	0.1
	RES SMD 10K OHM 1% 1/10W				Panasonic Electronic				1 1		1	1			1	667-ERJ-						
10k	0603	R2, R3	0603	Chip Resistor	Components	Panasonic	ERJ-3EKF1002V	ERJ-3EKF1002V	2 Digi-Key	Mouser	USD	USD	2	2	P10.0KHCT-ND	3EKF1002V	10894710	871486	0.2	0.2	0.1	0.1
	RES SMD 180K OHM 1% 1/10W				Panasonic Electronic					l	l	L				667-ERJ-						
180k	0603 SWITCH SLIDE	R6, R7	0603	Chip Resistor	Components TE Connectivity			ERJ-3EKF1803V	2 Digi-Key	Mouser	USD	USD	2	2	P180KHCT-ND	3EKF1803V	76902	110181	0.2	0.2	0.1	0.1
SPST Switch	SPDT 200MA 30V High-Speed CAN	SW1	Slide Switch R/A	SPDT Slide Switch	AMP Connectors	TE Connectivity	1825232-1	1825232-1	1 Digi-Key	Mouser	USD	USD	1	1	A107673-ND	655-1825232-1	16298	15367	0.28	0.22	0.28	0.22
	Transceiver, 8-Pin SOIC, Extended																					
LAGRAC	Temperature, Tape		0010 0017	140D0FF4=	Microchip	Microchip	*******	A AODOF (OT TITLE	<u></u>	l.,	LIGO	LIGO			MCP2562T-E/SNCT-	579-MCP2562T-						
MCP2562T-E/SN	and Reel	U1	SOIC-SN8_M	MCP2551T-E/SN	Technology	Technology	MCP2562T-E/SN https://octopart-	MCP2562T-E/SN	1 Digi-Key	Mouser	USD	USD	1	1	ND https://octopart-	E/SN	49	6512	0.9	0.98	0.9	0.98
					https://octopart- clicks.com/click/alt		clicks.com/click/alt ium?manufacturer								clicks.com/click/alt ium?manufacturer							
					ium?manufacturer		=Bosch%20Sensor								=Bosch%20Sensor							
	L				=Bosch%20Sensor tec&mpn=BNO05		tec&mpn=BNO05 5&seller=Mouser								tec&mpn=BNO05 5&seller=Mouser							
	IMUs - Inertial Measurement				5&seller=Mouser &sku=262-		&sku=262- BNO055&country								&sku=262- BNO055&country							
	Units Absolute Orientation 9-Axis				BNO055&country =US&channel=BO		=US&channel=B OM%20Report&re								=US&channel=BO M%20Report&ref							
BNO055	Sensor	U2	BNO055 LGA	BNO055		Bosch Sensortec	f=man&	BNO055	1 Digi-Key	Mouser	1	Loading			=supplier&	262-BNO 055		6735				
	3-Axis, +/-200 g Analog MEMS																					
	Accelerometer with Analog																					
	Output, 1.3 KHz BW. Industrial, 16-				Analog Devices										ADXL377BCPZ-RI -	584-ADXL377BCPZ-						
ADXL377BCPZ-RL	pin QFN, Reel	U4	ADI-CP-16-28_N	ADXL377BCPZ-RL	Inc.	Analog Devices	ADXL377BCPZ-RL https://octopart-	ADXL377BCPZ-RL7	1 Digi-Key	Mouser	USD	USD	1	1	ND	R7	0	1701		9.85		9.85
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					ium?manufacturer =Diodes%20Incor		ium?manufacturer =Diodes%20Incor															
					porated&mpn=ZL DO1117G33TA&sel		porated&mpn=ZL DO1117G33TA&se															
					ler=Mouser&sku= 522-		Iler=Mouser&sku =522-															
					ZLDO1117G33TA&		ZLDO1117G33TA&															
	IC REG LDO 3.3V				country=US&chan nel=BOM%20Rep	Diodes	country=US&chan nel=BOM%20Rep								ZLDO1117G33DIC1	522-						
LDO1117	1A SOT223-3	U5	SOT-223	NCP1117 2.5V	ort&	Incorporated	ort&ref=man&	ZLDO1117G33TA	1 Digi-Key	Mouser	Loading	USD	ļ	1	ND	ZLDO1117G33TA	0	5320		0.47		0.47
	Crystal 32.7680kHz 20ppm 12.5pF 70	z																				
	kOhm -40°C - 85°C	:					FOR 207 40 F 00	FOR 227 40 5 00								E20 227 40 5 00						
32.768KHz	Surface Mount 2- SMD	X1	XTAL 2 pad	Crystal Oscillator		ECS	ECS327-12.5-39- TR	EUS321-12.5-39- TR	1 Digi-Key	Mouser	USD	USD	1	1	XC1658CT-ND	520327-12.5-39- TR	67083	1859	1.2	1.2	1.2	1.2
SMA6J	TVS DIODE 15VWN	Z1	SMA	Zener - Bidirection	Micro Commercial	Micro Commercial (SMA6J15CA-TP	SMA6J15CA-TP	1 Digi-Key	Mouser	USD	USD	1	1	SMA6J15CA-TPMS0	833-SMA6J15CA-TP	3922	3150	0.46	0.45	0.46	0.45