



Comment	Description	Designator	Footprint	LibRef	Manufacturer 1	Manufacturer Part Number 1	Quantity	Supplier 1	Supplier Currency	Supplier Order Qty 1	Supplier Part Number 1	Supplier Stock 1	Supplier Subtotal	Supplier Unit Price
	Lithium Battery						,			,				
	Non-Rechargeable		Dattani Olin	CD2022 D-++	l la v Tarka ala ala						DAT LUD 012 CNAT			
CR1225	(Primary) 3V Coin, 12.5mm	Batt1	Battery Clip - CR1225	CR2032 Battery Holder	Linx Technologies Inc.	BAT-HLD-012-SMT	1	Digi-Key	USD	1	BAT-HLD-012-SMT- ND	1579	0.28	0.28
0.1 uF	CAP CER 0.1UF 50V X7R 0603	C1, C9	0603	Сар	Murata Electronics North America	GRM188R71H104K A93D	2	Digi-Key	USD	2	490-1519-1-ND	8912517	0.2	0.1
	Tantalum Capacitors - Solid													
	SMD 35volts 47uF 10%					T495X476K035ATE3								
47 uF	ESR=300mOhms 10µF ±20% 50V	C2	2917	Tantalum Cap_1	KEMET	00	1	Digi-Key	USD	1	399-3905-1-ND	19076	2.45	2.45
	Ceramic Capacitor X5R 1206 (3216					GRT31CR61H106M	_			_				
10uF	Metric)  CAP CER 0.1UF	C4, C6, C7	1206	Сар	North America  Murata Electronics	E01L GRM188R71H104K	3	Digi-Key	USD	3	490-12457-1-ND	6846	1.29	0.43
0.1uF	50V 10% X7R 0603	C8	0603	Сар	North America	A93D	1	Digi-Key	USD	1	490-1519-1-ND	8912517	0.1	0.1
	1μF ±20% 50V Ceramic Capacitor													
1uf	X5R 0603 (1608 Metric)	C10	0603	Сар	Murata Electronics North America	GR1188R61H105M E13D	1	Digi-Key	USD	1	490-12331-1-ND	3606	0.25	0.25
	LED RED DIFFUSED 0805				OSRAM Opto Semiconductors									
Green	SMD	D1	0805 Polarized	LED - SMD	Inc.	LS R976-NR-1	1	Digi-Key	USD	1	475-1278-1-ND	77434	0.26	0.26
Red	LED RED DIFFUSED 0805 SMD	D2	0805 Polarized	LED - SMD	OSRAM Opto Semiconductors Inc.	LS R976-NR-1	1	Digi-Key	USD	1	475-1278-1-ND	77434	0.26	0.26
	Diode Schottky 40V 2A Surface													
CDB 4240LL LIE	Mount DO-214AC (SMA)	D2	SMA with A and K	Sahattley Diada	Comchip	CDDA240H HE	,	Digi Kou	HED		441 1400 1 ND	11104	0.55	0.55
CDBA240LL-HF Header 4	(SMA) Header, 4-Pin	D3 I2C, UART1	HDR1X4	Schottky Diode Header 4	Technology	CDBA240LL-HF	2	Digi-Key	USD	'	641-1698-1-ND	11124	0.55	0.55
	Receptacle													
Vehicle Interface	Assembly, 15 Position, Right													
Cable Connector	Angle 6.49k Ohm ±1%	J1	DSUB1.385-2H15	D Connector 15	Amphenol FCI	D15S33E4GV00LF	1	Digi-Key	USD	1	609-1498-ND	1295	2.13	2.13
	0.1W, 1/10W Chip Resistor 0603													
	(1608 Metric) Automotive AEC-	R1, R4, R7, R8, R9,			Panasonic Electronic									
6.49k	Q200 Thick Film	R10, R11, R12, R13	0603	Chip Resistor	Components	ERJ-3EKF6491V	9	Digi-Key	USD	9	P6.49KHCT-ND	59773	0.9	0.1
	120 Ohm ±1% 0.1W, 1/10W Chip													
	Resistor 0603 (1608 Metric)				Panasonic									
120	Automotive AEC- Q200 Thick Film	R2, R3	0603	Chip Resistor	Electronic Components	ERJ-3EKF1200V	2	Digi-Key	USD	2	P120HCT-ND	163027	0.2	0.1
120		NZ, NO	0000	omp Resister	Panasonic	213 0214 12001		. Dig. noy	000		. 12011011112	100027	0.2	0
47	RES SMD 47 OHM 1% 1/10W 0603	R5, R6, R14	0603	Chip Resistor	Electronic Components	ERJ-3EKF47R0V	3	Digi-Key	USD	3	P47.0HCT-ND	87989	0.3	0.1
Header 6	Header, 6-Pin 32 Bit Arduino-	SPI1	HDR1X6	Header 6			1							
Teensy 3.6 Through Hole	32 Bit Arduino- Compatible Microcontroller	Teensy 1	Teensy 3.6 Through Hole - No Labels	Teensy 3.6 Through Hole	SparkFun Electronics	DEV-14057	1	Digi-Key	USD	1	1568-1442-ND	256	32.5	32.5
	Low Dropout Linear Fixed													
	Voltage Regulator, 5 Vout,													
	-40 to 150 degC,		INE DO TORGO		Infinonn	TI F 0.0E 11 TEV F 0.4 T					TI F00F11TEV50AT			
TLF80511TF V50	PG-TO252-3, Reel, Green	U1	INF-PG-TO252-3- 11_N	TLF80511TF V50	Infineon Technologies	TLF80511TFV50AT MA1	1	Digi-Key	USD	1	TLF80511TFV50AT MA1CT-ND	1070	1.35	1.35
	Single Wire CAN Transceiver, 5 to													
NCV7356D1G	27 V, 8-Pin SOIC, Pb-Free, Tube	U2	ONSC-SOIC-8-751- 07_V	NCV7356D1G	ON Semiconductor	NCV7356D1G	1	Digi-Key	USD	1	NCV7356D1GOS- ND	89	1.52	1.52
	IC SCHMIT-TRIGG			74AHCT1G14	Diodes					<u>'</u>	74AHCT1G14SE-			
74AHCT1G14	IC RS485 TXRX	U3	SOT-353	Inverter SN75HVD12D (3.3v	Incorporated	74AHCT1G14SE-7	1	Digi-Key	USD	1	7DICT-ND	9908	0.25	0.25
SN75HVD08DR	3/5V 8-SOIC Microchip CAN FD	U4	SOIC-SN8_N	RS485)	Texas Instruments	SN75HVD08DR	1	Digi-Key	USD	1	296-37893-1-ND	9050	3.87	3.87
MCP2558	Transceiver with Silent Mode	U5, U8, U9	TDFN	MCP2558FD	Microchip Technology	MCP2558FDT- H/MNY	3	Digi-Key	USD	3	MCP2558F DT- H/MNYCT-ND	3187	2.49	0.83
	CAN Controller CAN 2.0 SPI													
MCP2515-E/ML	Interface 20-QFN (4x4)	U6	QFN-ML20_M	MCP2515-E/ML	Microchip Technology	MCP2515-E/ML	1	Digi-Key	USD	1	MCP2515-E/ML-ND	291	2.24	2.24
MCP2003A-E/SN	LIN J2602 Transceiv	U7	SOIC-SN8_N	MCP2003AT-E/SN	Microchip Technolo	MCP2003A-E/SN	1	Digi-Key	USD	1	MCP2003A-E/SN-NE	4940	0.84	0.84