

Comment	Description	Designator	Footprint	LibRef	Manufactu rer 1	Manufactu rer 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
		5V+, 5V GND, 12V+, 12V		2.000										
		GND, CHARGE IN+, CHRG	OUTPUT_TER	OUT_TERMINA										
OUT_TERMINAL	OUT_TERMINAL	GND	MINALS	L	Allogro		6							
CENCOR CURRENTHALL 104 DC	CENCOR CURRENT HALL 104 DC	ACS1, ACS2,	solc a	ACS723LLCTR-			,	Digi Koy	HED	,	620-1643-1	702	15.01	F 27
SENSOR CURRENT HALL 10A DC	SENSOR CURRENT HALL 10A DC	ACS3	SOIC_8 BATTERY_TER	10AU-T BAT_TERMINA	ms	TR-10AU-T	3	Digi-Key	USD	3	ND	783	15.81	5.27
BAT_TERMINAL	BAT_TERMINAL Cap Ceramic 10uF 10V X5R 10% SMD 0805 85C	BAT+, BAT- C1, C4, C5, C6,	MINALS	L CL21A106KPF		CL21A106K	2				1276-6456-			-
C10uF	Embossed T/R Cap Ceramic 0.1uF 50V Y5V -20% to 80% SMD 0805	C7	C0805	NNNG CL21F104ZBC	Sams	PFNNNG CL21F104Z	5	Digi-Key	USD	5	1-ND 1276-1007-	1253336	0.65	0.13
0.1uF CAP	85C Paper T/R	C2	C0805	NNNC	Samsung	BCNNNC C2012X5R1	1	Digi-Key	USD	1	1-ND	3496959	0.1	0.1
1uE/25V	CAP CER 1UF 25V X5R 0805	C2 C1E C14	COROE	C2012X5R1E1	TDV	E105K125A	,	Digi Koy	HeD	,	445-1419-1	40221	0.01	0.27
1uF/25V	CAP CER TUP 25V X5R U8U5	C3, C15, C16	C0805	05K125AA	TDK	A	3	Digi-Key	USD	3	ND	49231	0.81	0.27
		C12, C13, C14, C19, C20, C21,												
		C24, C25, C26, C30, C31, C32,		0122422/4441		01 22 4 22 4					107/ 2072			
CAP CER 22UF 25V	CAP CER 22UF 25V X5R 1210	C33, C34, C36, C37, C38	C1210	CL32A226MAJ NNNE	Samsung	CL32A226 MAJNNNE	17	Digi-Key	USD	17	1276-3373- 1-ND	56471	7.004	0.412
	Cap Aluminum Polymer 680uF 20VDC 20% (10 X 11.5mm) Radial 5mm 0.012 Ohm 5400mA 2000h	C17, C18, C27,	POLY_CAP_10X	APSG200ELL68	United Chemi-	APSG200EL					565-3623-			
C1mF_Polymer	105C Bulk Multilayer Ceramic Capacitors 50volts 39000pF X7R	C28, C29	21	1MJB5S C0805C393K5	Con	L681MJB5S C0805C393	5	Digi-Key	USD	5	ND 399-8076-1	499	10.7	2.14
C 39nF 50V	10%	C39, C40 CHRG LED,	C0805	RACTU LTST-	KEMET Vishay Lite	K5RACTU - LTST-	2	Digi-Key	USD	2	ND 160-1427-1	16773	0.46	0.23
LED RED	LED RED CLEAR SMD	VBAT LED	LED_0805	C171KRKT	On	C171KRKT	2	Digi-Key	USD	2	ND	80457	0.58	0.29
DIODE 45V 10A	DIODE SCHOTTKY 45V 10A DPAK	D7, D8, D9	TO252_3	MBRD1045T4 G	ON Semicond uctor	MBRD1045 T4G		Digi-Key	USD	3	MBRD1045 T4GOSCT- ND	4036	2.16	0.72
LED GREEN	LED GREEN CLEAR CHIP SMD	DIR1, DIR2, DIR3, DIR4	LED_0805	LTST-C171GKT	Vishay Lite On	- LTST- C171GKT	4	Digi-Key	USD	4	160-1423-1 ND	241771	1.12	0.28
					Wurth						732-1613-1			
FERRITE BEAD 120 OHM 0805	FERRITE BEAD 120 OHM 0805 1LN	FB1	FB_0805	742792023		742792023	1	Digi-Key	USD	1	ND	10715	0.22	0.22
JST SH/SR SMT VERT 8POS	CONN RCPT SR 8 POS 1.0MM TIN	J1	JST_SH_8	08SR-3S	JST	08SR-3S	1	Digi-Key	USD	1	455-2189- ND	1699	0.55	0.55
CONN HEADER .100" MALE 36POS	CONN HEADER .100" DUAL STR 36POS	J2	DIP36_MALE	PREC018DAA N-RC	Sullins	PREC018D AAN-RC	1	Digi-Key	USD	1	S2012EC- 18-ND	1371	0.69	0.69
CONN HEADER 4 POS MALE	CONN HEADER VERT 4POS 2.54MM	J3, J4, J5, J6	DIP4	PREC004SAAN RC	Sullins	PREC004S AAN-RC	4	Digi-Key	USD	4	S1012EC- 04-ND	1946	0.48	0.12
	COILCRAFT SER1390-333MLD INDUCTOR, 33UH,			SER1390-		SER1390-					994- SER1390-			
IND 33UH 5.95A	5.95A, 20%, 15.7MHZ,REEL	L1, L2, L3 PULLUP, R8,	13X13X9IND	333MLD	Coilcraft	333MLD	3	Mouser	USD	3	333MLD RNCP0805	434	7.98	2.66
1K RES	RES 1K OHM 1% 1/4W 0805	R9, R13, R14, R18	R0805	RNCP0805FTD 1K00	Stackpole Electronics	RNCP0805 FTD1K00	6	Digi-Key	USD	6	FTD1K00D KR-ND	248519	0.6	0.1
				RC0805FR-		RC0805FR-					311- 3.30KCRCT-			
R3.3K	RES SMD 3.3K OHM 1% 1/8W 0805	R1, R17, R23	R0805	073K3L	Yageo	073K3L	3	Digi-Key	USD	3	ND 311-	640027	0.3	0.1
R10k	RES SMD 10K OHM 1% 1/8W 0805	R2, R3, R5, R6, R21	R0805	RC0805FR- 0710KL	Yageo	RC0805FR- 0710KL	5	Digi-Key	USD	5	10.0KCRCT- ND	35892568	0.5	0.1
KTOK	NEO SIMB TON OTHER TROW GOOD	KZ I	10000		lageo			Digi Key	035		311-	33072300	0.5	0.1
R20K	RES SMD 20K OHM 0.1% 1/8W 0805	R4, R7, R19	R0805	RT0805BRC07 20KL	Yageo	RT0805BR C0720KL	3	Digi-Key	USD	3	20KNFCT- ND	3644	2.43	0.81
OR	RES SMD 0 OHM JUMPER 1/8W 0805	R11, R12, R15, R16	R0805	RC0805JR- 070RL	Yageo	RC0805JR- 070RL	4	Digi-Key	USD	4	311- 0.0ARCT- ND	13282663	0.4	0.1
				RC0805FR-		RC0805FR-					311- 1.60KCRCT-			
R1.6K	RES SMD 1.6K OHM 1% 1/8W 0805	R20	R0805	071K6L	Yageo	071K6L	1	Digi-Key	USD	1	ND 311-	362785	0.1	0.1
R13K	RES SMD 13K OHM 1% 1/8W 0805	R22	R0805	RC0805FR- 0713KL	Yageo	RC0805FR- 0713KL	1	Digi-Key	USD	1	13.0KCRCT- ND	335093	0.1	0.1
				RC0805FR-	Yageo	RC0805FR-					311- 1.50KCRCT-			
R1.5K	RES SMD 1.5K OHM 1% 1/8W 0805	R24	R0805	071K5L	Phycomp	071K5L	1	Digi-Key	USD	1	ND	2052513	0.1	0.1
		SD1, SD2,	DIP16_STEPPE	SilentStepStic k_BigTreeTech										
Stepper Driver	TMC2130, DRV8825, TB67S109, A4988	SD3, SD4	R	_TMC2130V1.1			4							
XL4015 Buck Converter	XL Semi Buck Converter, not available in USA	XL1, XL2	TO263-5L	XL4015			2							
XL6019 Boost Converter	XL Semi Boost Converter, not available in USA	XL3	TO 263-5L	XL6019	<u> </u>	-	1	<u> </u>		<u> </u>	<u> </u>	<u> </u>		