

Item	Manufacturer	Reference	Component value	Part Number	QTY	Price (DK) OCT.2026	Total	Notes
1	KEMET	C1	C1206C102G2GECAUTO	CAP CER 1206 1Nf 200V COG 2%	1	1.77	1.77	1nF COG
2	KEMET	C2	C1206C680J5GACTU	CAP CER 68PF 50V COG/NP0 1206	1	0.5	0.5	68pF COG
3	KEMET	C23,C25,C27,C29,C31,C33,C35,C37,C39,C41,C60,C69,C70,C71	T495X476K035ATE300	CAP TANT 47UF 10% 35V 2917	14	2.521	35.294	47uF
4	KEMET	C24,C26,C28,C30,C32,C34,C36,C38,C40,C42,C72	C1206C104M3GECTU	CAP CER 1206 0.1UF 25V COG 20%	11	0.623	6.853	100nF COG
5	KEMET	C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C18,C19,C20,C21,C22	C1206C103J2GACTU	CAP CER 10000PF 200V COGNP0 1206	20	0.3206	6.412	10nF COG
6	TDK	C43	C3216X7R1H225K160AB	CAP CER 2.2UF 50V X7R 1206	1	0.454	0.454	2.2uF
7	TDK	C44,C46,C63,C64,C68	CGA3E2X8R1E104K080AE	CAP CER 0.1UF 25V X8R 0603	5	0.129	0.645	
8	TDK	C61,C66,C75	CGA5L1X7R1E106K160DC	AUTOMOTIVE GRADE,1206,X7R,25V,10	3	0.437	1.311	
9	TDK	C45,C62,C65,C67,C74,C76	C1608X7R1H474K080AC	CAP CER 0.47UF 50V X7R 0603	6	0.24	1.44	
10	onsemi	CR1,CR2,CR3,CR4	LL4148	DIODE STANDARD 100V 200MA SOD80	4	0.075	0.3	
11	Kingbright	D10,D11	APT3216LZGCK	Green 525nm LED Indication - Discrete 2.65V 1206	1	0.407	0.407	
12	Littelfuse Inc.	D5,D6	SMAJ16A	TVS DIODE 20VWM 32.4VC DO214AC	2	0.48	0.96	
13	Murata	FA1,FA2,FA3,FA4	NFE61PT681B1H9L	FILTER LC(T) 680PF SMD	4	0.534	2.136	
14	Samtec Inc.	J4	HTSW-104-07-G-S	CONN HEADER VERT 4POS 2.54MM	1	0.296	0.296	Power input
15	TE Connectivity Linx	J5,J6,J7	SMA_FEMALE	CONN SMA RCPT STR 50 OHM PCB	3	2.94	8.82	Analog ports
16	Samtec Inc.	J8	HTSW-102-07-G-S	CONN HEADER VERT 2POS 2.54MM	1	0.157	0.157	Range select
17	Samtec Inc.	J9	HTSW-103-07-G-S	CONN HEADER VERT 3POS 2.54MM	1	0.229	0.229	H VLIM (1-2) jumper
18	Rose Enclosures	M1	10813060	Box Metal, Aluminum Gray (125 mm x 80 mm X 57 mm)	1	50.71	50.71	DIY box
19	Panasonic Industry	R10	ERA-8ARB912V	RES SMD 9.1K OHM 0.1% 1/4W 1206	1	0.98	0.98	
20	Panasonic Industry	R82	ERA-3AEB202V	RES SMD 2K OHM 0.1% 1/10W 0603	1	0.077	0.077	
21	Panasonic Industry	R81	ERA-3AED102V	RES SMD 1K OHM 0.5% 1/10W 0603	1	0.067	0.067	
22	Panasonic Industry	R80	ERA-3AED4992V	RES SMD 49.9KOHM 0.5% 1/10W 0603	1	0.067	0.067	
23	Panasonic Industry	R11	ERA-8AEB53R6V	RES SMD 53.6 OHM 0.1% 1/4W 1206	1	0.27	0.27	
24	Panasonic Industry	R17	ERA-8APB223V	RES SMD 22K OHM 0.1% 1/4W 1206	1	0.729	0.729	
25	Panasonic Industry	R5,R13,R19	ERA-8APB303V	RES SMD 30K OHM 0.1% 1/4W 1206	3	0.688	2.064	
26	Panasonic Industry	R14,R18	ERA-8APB473V	RES SMD 47K OHM 0.1% 1/4W 1206	2	0.688	1.376	
27	Panasonic Industry	R6,R12,R15	ERA-8ARB103V	RES SMD 10K OHM 0.1% 1/4W 1206	3	0.816	2.448	
28	Panasonic Industry	R3,R4,R9	ERA-8ARW102V	RES SMD 1K OHM 0.05% 1/4W 1206	3	1.111	3.333	
28	Panasonic Industry	R16	ERA-8ARW2491V	RES SMD 2.49KOHM 0.05% 1/4W 1206	1	1.34	1.34	
29	Vishay	R79	MCT0603M20000ZP500	RES 0 OHM JUMPER 1/10W 0603	1	0.09	0.09	
30	Vishay	R30,R84,R85	MCU08050Z0000ZP500	RES 0 OHM JUMPER 1/8W 0805	3	0.168	0.504	
31	Susumu	R31	RG1608P-154-B-T5	RES SMD 150K OHM 0.1% 1/10W 0603	1	0.1	0.1	
32	Susumu	R32,R33	RG1608P-472-B-T5	RES SMD 4.7K OHM 0.1% 1/10W 0603	2	0.1	0.2	
33	Stackpole Electronics Inc	R7	RNCF1206TKY49K9	RES 49.9K OHM 0.01% 1/4W 1206	1	1.438	1.438	
34	TE Connectivity	R8	RQ73C2B150KBDT	RES 150 KOHMS 0.1% 0.5W 1206	1	0.634	0.634	
35	Susumu	R83	RG1608P-304-D-T5	RES SMD 300K OHM 0.5% 1/10W 0603	1	0.1	0.1	
36	Texas Instruments	U1	OPA928DR	IC OP AMP 1CH 8-SOIC femtoampere bias current	1	36.71	36.71	Alt ADA4530-1
37	Analog Devices	U10	LT3045EDD-1#TRPBF	LDO IC Positive Adjustable 1 Output 500mA 12-DFN (3x3)	1	10	10	
38	Analog Devices	U11	LT3090EDD#PBF	LDO IC Negative Adjustable 1 Output 600mA 10-DFN (3x3)	1	7.9	7.9	
39	Texas Instruments	U2,U3,U4	OPA828IDR	J-FET Amplifier 1 Circuit 8-SOIC	3	8.71	26.13	
40	Texas Instruments	U5,U6	OPA2192IDR	Standard (General Purpose) Amplifier 2 Circuit Rail-to-Rail 8-SOIC	2	5.92	11.84	
	PCBway	PCB1	W08139BSJ148	xDevs QuTRA Rev1.2 PCB, 4L, RO4350B, Blue, ImmAg	1	78	78	Custom PCB
	VPG	R40	10	Optional test resistors, VPG VHP10x/VHP20x	1		0	Option
	VPG	R41	10k	Optional test resistors, VPG VHP10x/VHP20x	1		0	Option
	VPG	R42	10k	Optional test resistors, VPG VHP10x/VHP20x	1		0	Option
	VPG	R43	10K/5.1K	Optional test resistors, VPG VHD	1		0	Option

Total \$USD **305.09**

Option for lower voltage +/-8V with ADA4530-1								
31	Susumu	R31	RR0816P-7872-D-87C	RES SMD 78.7KOHM 0.5% 1/16W 0603	1	0.1	0.1	
35	Susumu	R83	RG1608P-154-B-T5	RES SMD 150K OHM 0.1% 1/10W 0603	1	0.1	0.1	
36	Analog Devices	U1	ADA4530-1ARZ	IC OP AMP 1CH 8-SOIC femtoampere bias current	1	41.95	41.95	

Cleaning flux remover for PCB assembly								
	Techspray		1634-12S	G3 NO-CLEAN FLUX REMOVER G3	1	36	36	