

Qty	Ref Des	Value	Description	Mfg	Mfg PN	Vendor	Vendor PN	Vendor2	Vendor2 PN	
8	C12, C17, C19, C24, C25, C28, C31, C32	100uF 50V	Elect cap, 100uF 50V, 8mm dia	Nichicon	UKA1H101MPD	Mouser	647-UKA1H101MPD	\$ 0.70 \$	5.60 DigiKey	493-15332-ND
1	C2	15uF 10V Ta	Tant cap, 15uF 25V	AVX	TAP156M025SRW	Mouser	581-TAP156M025SRW	\$ 1.18 \$	1.18 DigiKey	TAP156M025SRW-ND
2	C33, C34	10uF 25V	Ceramic cap, 10uF 25V, 0.2" LS	TDK	FG26X7R1E106KRTO	Mouser	810-FG26X7R1E106KRTO	\$ 0.66 \$	1.32 DigiKey	445-FG26X7R1E106KRTO-ND
2	C26, C27	0.1uF 250V	Film cap, 0.1uF 250V 5 or 10mm LS	Wima	MKP1F031003G00KSSD	Mouser	505-M10.1/250/10	\$ 0.72 \$	1.44 DigiKey	495-4816-ND
2	C29, C30	1uF 100V	Ceramic cap, 1uF 100V, 0.2" LS	TDK	FG26X7R2A105KNTO	Mouser	810-FG26X7R2A105KNTO	\$ 0.67 \$	1.34 DigiKey	445-FG26X7R2A105KNTO-ND
4	C3, C4, C15, C16	10000uF 25V	Elect cap, 10,000uF 25V, 30mm dia	Nichicon	LKS1E103ME5B	Mouser	647-LKS1E103ME5B	\$ 4.46 \$	17.84 DigiKey	493-16487-ND
1	C35	10uF 100V	Elect cap, 10uF 100V, 8mm dia	Nichicon	UFG2A100MPM	Mouser	647-UFG2A100MPM	\$ 0.53 \$	0.53 DigiKey	493-15101-ND
	C5, C6, C8, C9, C10, C11, C13, C14, C20, C21, C22, C23, C36, C37, C38, C39	100nF_F	Film cap, 0.1uF 50V min, 5mm LS	Wima	MKS2.1/63/5	Mouser	505-MKS2.1/63/5	\$ 0.38 \$	6.08 DigiKey	399-6044-ND
4	C1, C7, C18, C40	100nF	Ceramic cap, 100nF 25V min 0.1" LS	TDK	FG18X7R1H104KN6	Mouser	810-FG18X7R1H104KN6	\$ 0.20 \$	0.80 DigiKey	445-173265-1-ND
2	D1, D2	LED_BI_RA	LED, Red/Green, 3 lead, right angle	Kingbright	WP130WD7/EGW	Mouser	604-WP130WD7EGW	\$ 0.93 \$	1.86 DigiKey	754-1207-ND
1	D15	1N4761A	Zener diode, 75V 1W, 1N4761A	generic	1N4761A	Mouser	78-1N4761A	\$ 0.34 \$	0.34 DigiKey	1N4761A-TAPGICT-ND
3	D3, D6, D16	1N4148	Diode, 1N4148	generic	1N4148	Mouser	78-1N4148	\$ 0.10 \$	0.30 DigiKey	1N4148FS-ND
1	D5	1N4684	Zener diode, 3.3V 500mW, 1N4684	generic	1N5226	Mouser	512-1N52268TR	\$ 0.16 \$	0.16 DigiKey	1N5226BFSCT-ND
8	D7, D8, D9, D10, D11, D12, D13, D14	STPS3L60	Schottky rectifier, 60V 3A, DO-15	ST Micro	STPS3L60Q	Mouser	511-STPS3L60Q	\$ 0.56 \$	4.48 DigiKey	497-16207-1-ND
4	HS1, HS2, HS3, HS4	HS_7136DG	Heatsink, TO220, 7135DG	Aavid	7136DG	Mouser	532-7136DG	\$ 2.15 \$	8.60 DigiKey	HS409-ND
1	J1	JACK_NRJ6HF	Jack, 1/4", NRJ6HF	Neutrik	NRJ6HF	Mouser	550-20311	\$ 0.81 \$	0.81 Online Components	NRJ6HF
1	J2	NC4FAH-0	Jack, 4-pin XLR, NC4FAH-0	Neutrik	NC4FAH-0	Mouser	568-NC4FAH-0	\$ 3.26 \$	3.26 Online Components	NC4FAH-0
2	J3, J4	NC3FAH2-0	Jack, 3-pin XLR, NC3FAH2-0	Neutrik	NC3FAH2-0	Mouser	568-NC3FAH2-0	\$ 1.38 \$	2.76 Online Components	NC3FAH2-0
1	J5	DD21	IEC Inlet, DD21	Schurter	DD21.0111.111	Mouser	693-DD21.0111.111	\$ 11.33 \$	11.33 DigiKey	486-1305-ND
1	at J5	DD21 Drawer	Fuse drawer, DD21	Schurter	4301.1405	Mouser	693-4301.1405	\$ 3.43 \$	3.43 DigiKey	486-1956-ND
1	at J5 (120VAC line)	315mA	Fuse, 5x20mm, 315mA type T	Schurter	0034.3112	Mouser	693-0034.3112	\$ 0.44 \$	0.44 DigiKey	486-1215-ND
1	at J5 (240VAC line)	160mA	Fuse, 5x20mm, 160mA type T	Schurter	0034.3109	Mouser	693-0034.3109	\$ 0.44 \$	- DigiKey	486-1334-ND
2	J6, J7	Dual RCA	Jack, dual RCA	Kobiconn	156-4219-E	Mouser	156-4219-E	\$ 0.94 \$	1.88 DigiKey	RCJ-2233
5	K1, K2, K3, K4, K5	AGN20012	Relay, 12V DPDT, AGN20012	Panasonic	AGN20012	Mouser	769-AGN20012	\$ 3.93 \$	19.65 DigiKey	102-5864-ND
1	Q1	2N3904	NPN Transistor, 2N3904, TO92	generic	2N3904	Mouser	610-2N3904	\$ 0.44 \$	0.44 DigiKey	2N3904TAFSC-ND
4	Q2, Q3, Q4, Q5	DN2535N3	Depletion mode MOSFET, DN2535, TO92	Microchip	DN2535N3-G	Mouser	689-DN2535N3-G	\$ 0.71 \$	2.84 DigiKey	DN2535N3-G-ND
2	Q6, Q7	LSK389B_TO	Dual JFET, LSK389B, TO71	Linear Systems	LSK389B_TO	NAC Semi	LSK389B_TO-71	\$ 10.06 \$	20.12 DigiKey	3218-LSK389BTO-716L-ND
2	Q8, Q9	IRFU220	N-Channel MOSFET, 200V, TO251	Infineon	IRFU220PBF	Mouser	844-IRFU220PBF	\$ 0.92 \$	1.84 DigiKey	IRFU220PBF-ND
2	R1, R2	4.75k	Resistor, 4.75k 1% 1.4W	Vishay	CCF554K75FKE36	Mouser	71-CCF554K75FKE36	\$ 0.17 \$	0.34 DigiKey	MFR-25BFF52-4K75
3	R10, R36, R37	1M	Resistor, 1M 1% 1.4W	Vishay	CCF551M00FKE36	Mouser	71-CCF551M00FKE36	\$ 0.17 \$	0.51 DigiKey	MFR-25BFF52-1M
2	R16, R20	16.9k	Resistor, 16.9k 1% 1.4W	Vishay	CCF5516K9FKE36	Mouser	71-CCF5516K9FKE36	\$ 0.17 \$	0.34 DigiKey	MFR-25BFF52-16K9
1	R17	1.21k	Resistor, 1.21k 1% 1.4W	Vishay	CCF551K21FKE36	Mouser	71-CCF551K21FKE36	\$ 0.17 \$	0.17 DigiKey	MFR-25BFF52-1K21
1	R21	1.27k	Resistor, 1.27k 1% 1.4W	Vishay	CCF551K27FKE36	Mouser	er	\$ 0.17 \$	0.17 DigiKey	MFR-25BFF52-1K27
2	R24, R27	NP	Not used					\$	-	
2	R25, R26	20k	Resistor, 20k 1% 1.4W	Vishay	CCF5520K0FKE36	Mouser	71-CCF5520K0FKE36	\$ 0.17 \$	0.34 DigiKey	MFR-25BFF52-20K
2	R28, R29	15k	Resistor, 15k 1% 1.4W	Vishay	CCF5515K0FKE36	Mouser	71-CCF5515K0FKE36	\$ 0.17 \$	0.34 DigiKey	MFR-25BFF52-15K
8	R3, R4, R7, R8, R13, R15, R40, R41	1k	Resistor, 1k 1% 1.4W	Vishay	CCF551K00FKE36	Mouser	71-CCF551K00FKE36	\$ 0.17 \$	1.36 DigiKey	MFR-25BFF52-1K
4	R30, R31, R34, R35	100	Resistor, 100 ohm 1% 1.4W	Vishay	CCF55100RKE36	Mouser	71-CCF55100RKE36	\$ 0.17 \$	0.68 DigiKey	MFR-25BFF52-100R
2	R32, R33	15	Resistor, 15 ohm 1% 1.4W	Vishay	CCF5515R0FKE36	Mouser	71-CCF5515R0FKE36	\$ 0.17 \$	0.34 DigiKey	MFR-25BFF52-15R
2	R38, R39	475k	Resistor, 475k 1% 1.4W	Vishay	CCF55475FKE36	Mouser	71-CCF55475FKE36	\$ 0.17 \$	0.34 DigiKey	MFR-25BFF52-475K
3	R42, R44, R45	100k	Resistor, 100k 1% 1.4W	Vishay	CCF55100K0FKE36	Mouser	71-CCF55100K0FKE36	\$ 0.17 \$	0.51 DigiKey	MFR-25BFF52-100K
4	R5, R6, R12, R14	1	Resistor, 1 ohm 1% 1.4W	KOA	MF1/4DCTS2A1R00F	Mouser	660-MF1/4DCTS2A1R00F	\$ 0.10 \$	0.40 DigiKey	RNF14FTD1R00CT-ND
6	R9, R11, R18, R19, R22, R23	10k	Resistor, 10k 1% 1.4W	Vishay	CCF5510K0FKE36	Mouser	71-CCF5510K0FKE36	\$ 0.17 \$	1.02 DigiKey	MFR-25BFF52-10K
1	R43	100	Resistor, 100 ohms 2W	Vishay BC	PR02000201000R500	Mouser	594-5083NW100R0J	\$ 0.37 \$	0.37 DigiKey	
1	RV1	RK27A112A0	Potentiometer, RK27, 10k	Alps	RK27112A0-S20-CO-A103	Mouser	688-RK27112AS-103	\$ 18.71 \$	18.71 Parts Express	PPC100W-2TR-ND
2	RV2, RV3	2k	Trimpot, 1/4", 2k	Bi	858-64WR2KLF	Mouser	858-64WR2KLF	\$ 1.98 \$	3.96 DigiKey	987-1065-ND
1	RV4	B57153S0330M000	Inrush limiter	Epcos/TDK	B57153S0330M000	Mouser	871-B57153S0330M000	\$ 0.55 \$	0.55 DigiKey	495-2078-ND
3	S1, S2, S3	SW_SPDT	Switch, SPDT, vertical RA	E-Switch	100SP1T2B4M7RE	Mouser	612-100-A2472	\$ 3.14 \$	9.42 DigiKey	EG2364-ND
1	T1	XFMR_25VA	Toroidal transformer, 25VA 15+15V, PCB	Amgis	L01-6363	DigiKey	TE2259-ND	\$ 22.72 \$	22.72 Allied	70065699
1	U1	TLC555P	Timer IC, TLC555, DIP8	TI	TLC555CP	Mouser	595-TLC555CP	\$ 0.90 \$	0.90 DigiKey	296-36160-5-ND
2	U10, U11	THAT1200P08	Balanced RX IC, THAT1200, DIP8	THAT	1200P08-U	Mouser	887-1200P08-U	\$ 6.86 \$	13.72 THAT Corp	1200P08-U
4	U2, U3, U5, U6	OPA551PA	Opamp, OPQ551, DIP8	TI	OPA551PA	Mouser	595-OPA551PA	\$ 5.87 \$	23.48 DigiKey	OPA551PA-ND
1	U4	LM2991T	Neg LDO Regulator, LM2991, TO220	TI	LM2991T/LF03	Mouser	926-LM2991T/LF03	\$ 3.60 \$	3.60 DigiKey	296-35133-5-ND
1	U7	LM2941T	Pos LDO Regulator, LM2941, TO220	TI	LM2941T/LF03	Mouser	926-LM2941T/LF03	\$ 1.68 \$	1.68 DigiKey	296-35133-5-ND
1	U9	LM317	Pos Regulator, LM317, TO220	ST Micro	LM317T	Mouser	511-LM317T	\$ 0.66 \$	0.66 DigiKey	497-1575-5-ND
1	U8	LM2940T-12	Pos LDO Regulator, 12V LM2940, TO220	TI	LM2940T-12.ONOPB	Mouser	926-LM2940T-12.ONOPB	\$ 1.65 \$	1.65 DigiKey	LM2940CT-12/NOPB-ND
2	VT1, VT2	NUTUBE_6P1	Nutube 6P1	Korg	6P1	Nutube.US	6P1	\$ 49.95 \$	99.90	
1	V21 (120VAC line)	B7220750131K101	MOV, 130V 7mm dia	BC	B7220750131K101	Mouser	871-B722075131K101	\$ 0.52 \$	0.52 DigiKey	495-1406-ND
1	V21 (240VAC line)	B7220750251K101	MOV, 250V 7mm dia	BC	B722075251K101	Mouser	871-B722075251K101	\$ 0.53 \$	- DigiKey	495-6568-1-ND

\$ 329.37

1	Enclosure	Extruded enclosure	Hammond	1455U2201BK	Mouser	546-1455U2201BK	\$ 39.32 \$	39.32	
1	Front & Rear Panels	Front & Rear Panels	Sangaku		Landfall Systems		\$	-	
1	Knob	Knob	Kilo	OESL75-3-7	DigiKey	226-3118-ND	\$ 11.11 \$	11.11 eBay	
1	Phone Jack Nut	Nut NRJ	Neutrik	NRJ-NUT-B	Mouser	550-1005	\$ 0.17 \$	0.17 Online Components	NRJ-NUT-B
2	Screws for XLR (front)	Screw 4-20 x 3/8 flat black (100)	McMaster-Carr	90033A105			\$	\$4.59	
6	Screws for rear XLR & RCA	Screw 4-20 x 3/8 pan black (100)	McMaster-Carr	90935A133			\$	\$3.80	
2	Screws for IEC	Screw 6-32 x 1/2 pan black (100)	McMaster-Carr	91249A148			\$	\$5.90	
2	Nuts for IEC	Nut 6-32 Nylok (100)	McMaster-Carr	90631A007			\$	\$2.98	

\$397.24