

Qty	Reference Designator	Description	Manufacturer Part Number	Vendor	Vendor Part Number	Notes
1	J2	2 X 15 0.100" FEMALE HEADER		Digi-Key	S7118-ND	Mount to bottom side of board
1	J1	NO STUFF	NO STUFF	NO STUFF	NO STUFF	
1	U11	IC REG BUCK SYNC ADJ 6A 30LQFN	AOZ1232QI-01	Digi-Key	785-1644-1-ND	
8	U6-9 U12-13 U15-16	IC MOTOR DRIVER PAR TO263-7	BTN8962TAAUMA1	Digi-Key	BTN8962TAAUMA1INCT-ND	
4	R5 R25 R31 R34	RES SMD 0.005 OHM 1% 1W 1206	CSRF1206FT5L00	Digi-Key	CSRF1206FT5L00TR-ND	
2	C6-7	CAP ALUM 2200UF 20% 35V RADIAL	EEU-HD1V222B	Digi-Key	P15768CT-ND	
4	R1-2 R14 R20	RES 10K OHM 1/10W 1% 0402 SMD	ERJ-2RKF1002X	Digi-Key	P10.0KLCT-ND	
12	R6-7 R10 R12 R16 R21 R26-27 R30 R32-33 R35	RES 0 OHM 1/10W 0402 SMD	ERJ-2RKF1912X	Digi-Key	P0.0JCT-ND	
1	R17	RES 40.2K OHM 1/10W 1% 0402 SMD	ERJ-2RKF4022X	Digi-Key	P40.2KLCT-ND	
1	R15	RES 402K OHM 1/10W 1% 0402 SMD	ERJ-2RKF4023X	Digi-Key	P402KLCT-ND	
8	R3-4 R8-9 R23-24 R28-29	RES 5.1K OHM 1/10W 1% 0402 SMD	ERJ-2RKF5101X	Digi-Key	P5.10KLCT-ND	
1	R18	RES 59K OHM 1/10W 1% 0402 SMD	ERJ-2RKF5902X	Digi-Key	P59.0KLCT-ND	
4	C14 C31 C36 C39	CAP CER 1000PF 50V 10% X5R 0402	GRM155R61H102KA01D	Digi-Key	490-6316-1-ND	
20	C1-5 C8 C10-11 C16-18 C21-22 C27-28 C32-34 C37-38	CAP CER 0.1UF 50V 10% X5R 0402	GRM155R61H104KE14D	Digi-Key	490-10697-1-ND	
1	C20	CAP CER 1UF 6.3V 10% 0402	GRM155R70J105KA12D	Digi-Key	490-10024-1-ND	
2	C15 C19	CAP CER 47UF 10V 20% X5R 1206	GRM31CR61A476ME15L	Digi-Key	490-5528-1-ND	
2	C23 C26	CAP CER 10UF 25V 10% X5R 1206	GRM31CR61H106KA12L	Digi-Key	490-5961-1-ND	
8	C9 C12-13 C24-25 C29-30 C35	CAP CER 10UF 50V 10% X7R 1210	GRM32ER71H106KA12L	Digi-Key	490-6544-1-ND	
4	U10 U14 U17-18	IC OPAMP CURR SENSE 14KHZ SC70-6	INA213BIDCKR	Digi-Key	296-40129-1-ND	
1	R36	RES 1 OHM 1% 1/2W 1206	LRMAM1206-R005FT5	Digi-Key	RNCP1206FTD1R00CT-ND	
1	D16	Zener Diode 13V 300mW ±6% Surface Mount SOD-323	MM3Z13VT1G	Digi-Key	MM3Z13VT1GOSCT-ND	
4	R11 R13 R19 R22	RES NS 0402 SMD	NS	NA	NS	
1	D15	DIODE SCHOTTKY 60V 1A PMDU	RB160M-60TR	Digi-Key	RB160M-60CT-ND	
2	U1-2	IC QUAD 2-IN AND GATE 14-SOIC	SN74LV08AD	Digi-Key	296-1673-1-ND	
2	U3 U5	IC DUAL INVERTER GATE SC-70-6	SN74LVC2G04DCKR	Digi-Key	296-13262-1-ND	
1	L1	FIXED IND 10UH 6.5A 18 MOHM SMD	SRR1210-100M	Digi-Key	SRR1210-100MCT-ND	
1	U4	IC OPAMP GP 500KHZ RRO 8SOIC	TLV2762IDR	Digi-Key	296-10665-1-ND	