

**DIY6550 PWM
POWER
SUPPLY**
COMPOSITE B/M
REV8-3_2_3
8/24/2019

B/B	COMPONENTS	QTY	DESCRIPTION	PART OR ORDER #	ON HAND	ORDER
	C401,409,439	3	4.7u	587-2994-1	\$0.29	\$0.87
	C402	1	1000P 50V X7R 1206	732-8115-1	\$0.09	\$0.09
	C403,404,421,422,443,456	6	1u 50V X75 1206	1276-3091-1	\$0.09	\$0.54
	C405,C406	2	1500U 400V ALUM	338-2122	\$14.19	\$28.38
	C407,410,441	3	2200U 25V RADIAL	399-6652-1	\$0.38	\$1.14
	C411	1	0.033u 50V 1206	732-8124-1	\$0.11	\$0.11
	C412,432,438,442	4	0.1U 25V X7R 1206	732-8109-1	\$0.10	\$0.40
	C413,414	2	100u 100V RADIAL	565-4013	\$0.53	\$1.06
	C418,419	2	0.47U 250V 1812	732-12128-1	\$0.68	\$1.36
	C420	1	3300U 50V ALUM	495-6147	\$1.43	\$1.43
	C423,424,425,426, C427,428,429	7	0.33U 50V 1206	1276-2860-1	\$0.12	\$0.84
	C430	-			\$0.00	\$0.00
	C430	1	100U 35V RADIAL	1189-1300	\$0.20	\$0.20
	C431,433,435,449	4	.01u 25V 1206	732-12286-1	\$0.10	\$0.40
chnng	C434,447	2	470p 50V 1206	1276-2778-1	\$0.11	\$0.22
	C437,454,455	3	1000p 630V 1812	399-16773-1	\$0.54	\$1.62
	C440	1	15P 500V 1206	490-14667-1	\$0.23	\$0.23
	C444	1	.1 100V 1812	311-4552-1	\$0.65	\$0.65
	C445	1	100p 100V X7R 1206	732-12086-1	\$0.13	\$0.13
	C446,450,452	3	10u 25V 0805	490-16824-1	\$0.30	\$0.90
	C448	1	10P 500V 1206	311-4431-1	\$0.20	\$0.20
	C451,453	2	.1u 50V 0805	1276-2450-1	\$0.05	\$0.10
	C457	1	10u X5R 25V 1206	1276-1075-1	\$0.15	\$0.15
	D401	1	DIODE, SCHOTTKY SOD123	1727-7326-1	\$0.27	\$0.27
	D402,407	2	ZENER, 5.1V SOD123	MMSZ4689T1GOSCT	\$0.16	\$0.32
	D404	1	ZENER 18V SOD123	MMSZ4705T1GOSCT	\$0.16	\$0.16
	D405,413,416	3	1A 200V	1N4003-TPMSCT	\$0.10	\$0.30
	D406	1	ZENER, 10V 3W SMA	3SMBJ5925B-TPMSCT	\$0.35	\$0.35
	D408,414,415	3	ZENER 2.7V DO-41	MMSZ5223B-TPMSCT	\$0.17	\$0.51
	D403,405,409,410,411	5	1N914	1N914BCT	\$0.08	\$0.40
	DB401	1	50A 1000V	GBPC5010-BPMS	\$3.76	\$3.76
	DB402	1	BRIDGE RECT. 3A	GBU601DI-ND	\$1.12	\$1.12
	DD401,402	2	650V 40A ARRAY	IDW60C65D1XKSA1	\$3.21	\$6.42
	F401	1	15A FB 3AG	F1772	\$0.85	\$0.85
	F402	1	1A 2AG	F2452	\$0.63	\$0.63
	J401	1	8 PIN DIN JACK	CP-7080	\$2.57	\$2.57
	J402	1	AC POWER ENTRY	4-6609987-3	\$3.75	\$3.75

J403,404	2	TERMINAL, CABLE	CXS35-36-C	\$1.26	\$1.26	
J405 THRU J410	6	2 PIN PCB HDR	WM4200	\$0.11	\$0.66	100 qty
JX401 THRU JX416	16	FASTON RECEPTACLE	A27680CT	\$0.15	\$2.40	100 qty
K401,404	2	RELAY, 24V 8.3MA	Z769	\$2.16	\$4.32	25 qty
K402	1	RELAY, SPST 30A	255-1722-ND	\$4.05	\$4.05	
K403	1	DPDT 40A	PB491	\$15.63	\$15.63	
L401,402	2	150UH 2.A	535-13029	\$1.04	\$1.04	
L403	1	2X50U	SC-15-05J	\$6.00	\$6.00	
L404	1	30U	FABRICATE	\$0.00	\$0.00	
L405	1	4.7U	M10118	\$1.50	\$1.50	
MTR401	1	54CFM	P15567	\$6.67	\$6.67	
P401	1	8 PIN DIN CABLE PLUG	CP-1080	\$2.10	\$2.10	
P402	1	BULGIN PX0507 PLUG	708-1342	\$4.87	\$4.87	
P405,406,407,409,410	5	2 PIN PLUG	WM2000	\$0.08	\$0.40	50 qty
P410,411,412	3	3 PIN PLUG	WM2001	\$0.12	\$0.12	50qty
PL401	1	GRN LED 3MM	732-5008	\$0.15	\$0.15	
PL402,403	2	RED LED 3MM	732-5006	\$0.17	\$0.34	
PX405 THRU 408	4	FAST ON PLUG	A29938CT	\$0.09	\$0.36	25 qty
Q401	1	FDV301N	FDV301NCT	\$0.21	\$0.21	
Q402	1	1HP04CH	1HP04CH-TL-WOSCT	\$0.49	\$0.49	
Q403,407	2	TP0604	TP0604N3-G	\$1.04	\$2.08	25 qty
Q404,408,410	3	BS270	BS270-D74ZFSCCT	\$0.32	\$0.32	
Q405,406	2	C2M0040120D	C2M0040120D	\$34.12	\$34.12	
Q409	1	IRF510	IRF510PBF	\$0.79	\$0.79	
R401,R404,426	3	33K	311-33.0KFRCT	\$0.08	\$0.24	
R402	1	8.2K	311-8.20KFRCT	\$0.08	\$0.08	
R403	1	240K	311-240KFRCT	\$0.08	\$0.08	
R405,406	2	5.1K	311-5.10KFRCT	\$0.08	\$0.16	
R407	1	510	311-510FRCT	\$0.08	\$0.08	
R408	1	22K	311-22.0KFRCT	\$0.08	\$0.08	
R409	1	180	311-180FRCT	\$0.08	\$0.08	
R410	1	2200	311-2.20KFRCT	\$0.08	\$0.08	
R411,440	2	3.9K	311-3.90KFRCT	\$0.08	\$0.16	
R412,427,463	3	1K	311-1.00KFRCT	\$0.08	\$0.24	
R413,415	2	100	RMCP2010FT100RCT	\$0.40	\$0.80	
R414,416	2	150	311-150FRCT	\$0.08	\$0.16	
R417	1	10	HS2510RJ	\$2.80	\$2.80	
R418	1	390	311-390FRCT	\$0.08	\$0.08	
R419	1	22	311-22.0FRCT	\$0.08	\$0.08	
R420	1	10K	PWR221T-30-1002F	\$2.45	\$2.45	
R421	1	422	311-422FRCT	\$0.08	\$0.08	
R422	1	10.0K	P10.0KAACT	\$0.22	\$0.22	
R423	1	270	311-270FRCT	\$0.08	\$0.08	
R424	1	0.0013	PCB FAB	\$0.00	\$0.00	
R425,434,437,447,448,457,472	7	10K	311-10.0KFRCT	\$0.08	\$0.56	
R436,438,439	3	3.3K	311-3.30KFRCT	\$0.08	\$0.24	
R428,429	2	4.7K	311-4.70KFRCT	\$0.08	\$0.16	
R430	1	560	311-560FRCT	\$0.08	\$0.08	
R431	1	56K	311-56.0KFRCT	\$0.08	\$0.08	

R432	1	24K	311-24.0KFRCT-ND	\$0.08	\$0.08
R433	1	2.4K	311-2.40KFRCT	\$0.08	\$0.08
R435	1	13.7K	311-13.7KFRCT	\$0.08	\$0.08
R436,438,439	3	3.3K	311-3.30KFRCT	\$0.08	\$0.24
R441,471	2	470	311-470FRCT	\$0.08	\$0.16
R442	1	100	A132031	\$3.56	\$3.56
R443	1	3.3	3.3W-10	\$0.70	\$0.70
R444	1	5.6	5.6W-5	\$0.49	\$0.49
R445	1	2.55K	311-2.55KFRCT	\$0.08	\$0.08
R446	1	249	311-249FRCT	\$0.08	\$0.08
R449	1	1M	541-4174-1	\$0.08	\$0.08
R450	1	18K	311-18.0KFRCT	\$0.08	\$0.08
R451	1	1.3K	311-1.30KFRCT	\$0.08	\$0.08
R452,453,454,455,456	5	100	311-100FRCT	\$0.08	\$0.40
R458	1	6.8K 3W 4122	A103579CT	\$0.40	\$0.40
R459	1	27	27QBK	\$0.07	\$0.07
R460,461,470	3	22	696-1689-5	\$3.34	\$10.02
R462	1	100K	311-100KFRCT	\$0.08	\$0.08
R464	1	300	311-300FRCT	\$0.08	\$0.08
R465,466	2	10	RMCF1206JG10R0CT	\$0.03	\$0.06
R468	1	120	A121132CT	\$0.54	\$1.08
R469	1	22K	311-22.0KFRCT	\$0.08	\$0.08
R473,474	2	25 3W 2512	A121192CT	\$0.54	\$1.08
R475	1	10M	311-10.0MFRCT	\$0.08	\$0.08
R476	1	2.2	A103622CT	\$0.39	\$0.39
S401,402	2	SPDT	EG5419	\$3.42	\$6.84
S403	1	MOM NC	553PB	\$1.37	\$1.37
S404	1	MOM NO	MS0850504F035S1C	\$1.33	\$1.33
S405	1	4PST DIP SMT	CT2184LPST	\$1.17	\$1.17
T401	1	POWER XFMR	FABRICATE	\$0.00	\$0.00
T402	1	28V 56VA	595-1028	\$0.00	\$0.00
T402 (OPTIONAL)	1	28V 36VA	237-1844	\$11.29	\$11.29
T403	1	TRANSFORMER, FLYBACK	FABRICATE	\$0.00	\$0.00
TR401	1	10K	BC2898-ND	\$1.89	\$1.89
TVS401,402	2	TRANSORB	SMLJ170CABCT	\$1.04	\$1.04
U401	1	TL494	296-10194-5	\$0.65	\$0.65
U402,406	2	LM358	296-36107-5	\$0.35	\$0.70
U403	1	LM317T	296-13869-5	\$0.69	\$0.69
U404	1	L78S24	497-1470-5	\$0.73	\$0.73
U405	1	Si8233	336-3066	\$2.40	\$2.40
SOCKET (OPTIONAL)	1	16 PIN DIP(OPTIONAL)	AE9992	\$0.24	\$0.24
SOCKET (OPTIONAL)	2	8 PIN DIP(OPTIONAL)	AE9986	\$0.17	\$0.34
PCB	1	REV8-3_2_3	FAB	\$70.00	\$70.00
RUBBER FEET	4	.687D X 1/4	36-724	\$0.42	\$1.68
FUSE CLIP	2	2AG FUSEHOLDER	WK6243	\$0.18	\$0.18
FH401	1	3AG FUSEHLDR 250V 16A	F055	\$4.78	\$4.78
E CORE	6	MAGNETICS INC.	0P45530EC	\$3.50	\$21.00
BOBBIN, E CORE	3	MAGNETICS INC	PCB5530FA	\$4.00	\$12.00
P CORE	2	POT CORE 78 14/8	5678140921	\$1.00	\$2.00
BOBBIN	1	U/W 14/8 P CORE	865542	\$0.75	\$0.75

FASTON FREE END RT	4	.250X.032 AWG14-18	920044-15	\$0.00	\$0.00	
SHOULDER WASHER	2	4-40 .135 SHOULDER	RPC1554	\$0.15	\$0.15	
STANDOFF, ALUM RND	5	6-32 X .5 THD'D	36-3487	\$0.32	\$1.60	
STANDOFF, INSULATING	1	6-32 X .5 THD'D	36-1903C	\$0.67	\$0.67	
BRACKET	12	RT ANG .5 THD X .578	36-617	\$0.40	\$4.80	50 qty
BRACKET	8	RT ANG 9/16 SQ THD'D	36-4334	\$0.31	\$2.48	
TERMINAL	12	U/W WM2000 2001	WM1114CT	\$0.05	\$0.60	
HOOKUP WIRE 10 FT		#16 GRY	C76512S-50	\$0.00	\$0.00	
GRILL, FAN GUARD, 2 PER	2	92MM	1053-1383	\$0.82	\$1.64	
ALUMINUM SHEET, 0.040	1	3003 3 SQ FT	MBF		\$336.08	
TAPE, KAPTON 1 1/4" 2MIL	1	5YD	EBAY			
TAPE, KAPTON, 1" 1MIL	1	1YD	EBAY			
TAPE, ALUM FOIL, 1/2"	1	3YD	EBAY			
HS1 (SEE DWG.)	1	4"Wx5"Hx1 1/4"D 1/4"WEB	EBAY; D&T			
HS2 (SEE DWG)	1	600X140X20MM BULK MTL	EBAY; CUT, D&T			
HS3 (SEE DWG)	1	3003 ALUM SHT	FAB; CUT, BEND, D&T			