

Decription	DigiKey #	Name	Qty
48V DC Socket	277-5963-ND	X1	1
Diode Bridge	GBJ2510DI-ND	U\$2	1
5V Regulator	LM2574HVMX-5.0/NOPB	IC2	1
Cap 22u-100V	399-6627-ND	C1,C4	2
Cap 220u-75V	399-6112-ND	C2,C5	2
Inductor 330uH	732-4196-ND	L1,L2	2
Shotcky Diode	B360A-M3/61TGICT-ND	D1,D2	2
IGBT (AOTS40B65H1)	785-1774-ND	Q1 to Q6	6
MOTOR CONN	277-5965-ND	X2	1
Rsense 0.02 - 30W	MP821-0.020F-ND	R1	1
Resistor 100 Ohm	541-3982-6-ND	R2,R3,R44,R45,R46	5
Capacitor 1nF	C1206C102K1RACAUTODKR-ND	C3,C30,C31	3
15V Regulator	LM2574HVM-15/NOPB-ND	IC3	1
Trans. Driver	296-42629-5-ND	U1,U2,U3	3
Resistor 51.1	CRCW120651R1FKEACDKR-ND	R4 to R9	6
Capacitor 220pF	C1206C221J1HACAUTODKR-ND	C6 to C11+C32	7
Cap. 1uF	1001-2519-6-ND	C12 to C17	6
Resistor 5.11	541-5.11FFDKR-ND	R10 to R18	9
Shotcky Diode	SDM20U40-7DIDKR-ND	D3 to D8. and D12 to D14	9
Resistor 10	541-10.0UDKR-ND	R19 to R24	6
Resistor 20K	541-4187-6-ND	R25 to R30 +R42,R43	8
Cap 100nF	C1206C104KAREC7800DKR-ND	C18 to C23- C28,C33,C34	9
Diode	US1M-FDIDKR-ND	D9,D10,D11	3
Resistor 3.3	541-4175-6-ND	R31,R32,R33	3
Resistor 18K	CRCW120618K0FKEACDKR-ND	R34,R35,R36	3
Resistor 2k	541-4181-6-ND	R37,R38,R39	3
Cap. 10p	399-9296-6-ND	C24,C25,C26,C27,C29	5
Op amp	OPA374AIDBVRG4-ND	IC4P	1
Resistor 1K	TNP1.00KACDKR-N	R40.R41,R48,R49	4
Temperature sensor	497-7324-ND	D15	1
Resistor 6p4K	541-4461-6-ND	R47	1

DIP-switch	A105447CT-ND	S1	1
20k Variable	1993-1134-ND	R50	1
R 1M	541-2320-6-ND	R51	1

WEB

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