

drawing no.	page no.	page title	section	name	value	notes	Digi-Key	status
4096600 E00 001	1	BLOWER COMMAND BOARD	POWER SUPPLY	C1	100nF	24V(AC?)		
				C2	100uF			
				C3	100nF			
				C4	22uF			
				C5	100nF			
				C27	470uF			
				D1	BZG03C30	DIODE ZENER 30V 1.25W DO214AC	BZG03C30-M3-08GICT-ND	ACTIVE
				D17	STPS15L45CB	DIODE ARRAY SCHOTTKY 45V DPAK	497-STPS15L45CB-ND	ACTIVE
				D24	BAT54S	DIODE ARRAY SCHOTTKY 30V SOT23-3	BAT54SLT1GOSCT-ND	ACTIVE
				F1	5A			
				FL1	BNX002-01	MURATA EMI Filter 5th Order Low Pass 2 Channel 10A Block, 4 Lead	490-5053-ND	OBSOLETE
					BNX002-011	PIN/SPEC COMPATIBLE REPLACEMENT FOR ABOVE	490-18606-ND	ACTIVE
				IC6	L78M15CDT	IC REG LINEAR 15V 500MA DPAK	497-1212-1-ND	ACTIVE
				J1	NA	2-PIN CONNECTOR, 24V(AC?) INPUT, PARALLEL WITH J11		
				J4	NA	SHORTS AROUND FL1?		
				J11	NA	2-PIN CONNECTOR, 24V(AC?) INPUT, PARALLEL WITH J1		
				L1	22uH	FULL CURRENT OF DEVICE		
				R3	100K			
				R4	100K			
				T9	SUD50P06	MOSFET P-CH 60V 50A TO-252 DPAK	SUD50P06-15-GE3CT-ND	ACTIVE
				T10	IRLML2803	MOSFET N-CH 30V 1.2A SOT-23	IRLML2803PBFCT-ND	ACTIVE
			OSCILLATOR	C6	100nF			
				C7	2.2nF			
				C8	10nF			
				IC2	NE555D	IC OSC SGL TIMER 100KHZ 8-SOIC	296-6501-1-ND	ACTIVE
				R37	10K			
				R50	1K			
			MOTOR DRIVER CONTROL	C16	330nF			
				C19	100nF	15V		
				C20	10nF			
				C21	100nF			
				C22	47pF X 4	CAPACITOR ARRAY		
				C23	47pF X 4	CAPACITOR ARRAY		
				FL3	FILTER? NA			
				FL4	FILTER? NA			
				FL5	FILTER? NA			
				FL6	FILTER? NA			
				FL7	FILTER? NA			
				FL8	FILTER? NA			
				FL9	FILTER? NA			
				IC1	MC33935DW	IC MOTOR DRIVER 10V-30V 24SOIC	MC33035DWR2GOSCT-ND	ACTIVE
				J2	NA	10-PIN CONNECTOR		
				J22	NA	9-PIN CONNECTOR		
				PT1	TEST POINT NA			
				R1	0.047	CURRENT SENSE		
				R2	10K			
				R5	10K			
				R7	100K			
				R8	4.7K			
				R38	1K			
				R39	1K			
				R40	0.1	CURRENT SENSE		
				R41	22K			
				R42	10K			
				T1	IRLML2803	MOSFET N-CH 30V 1.2A SOT-23	IRLML2803PBFCT-ND	ACTIVE
				T6	IRLML2803	MOSFET N-CH 30V 1.2A SOT-23	IRLML2803PBFCT-ND	ACTIVE
			MOTOR DRIVER OUTPUT	J3	NA	2-PIN CONNECTOR, TEMP SENSOR		
				J6	NA	8-PIN CONNECTOR, BRUSHLESS MOTOR		
				C28	1000uF	24V		
				C29	1000uF	24V		
				C9	100nF	15V		
				C10	220nF	15V		
				C11	2.2nF			
				C24	100nF	24V		
				D2	PMEG4005AEA	DIODE SCHOTTKY 40V 500MA SOD323	1727-5209-1-ND	ACTIVE
				D5	PMEG4005AEA	DIODE SCHOTTKY 40V 500MA SOD323	1727-5209-1-ND	ACTIVE
				D8	ES1D	DIODE GEN PURP 200V 1A SMA	ES1DFSCCT-ND	ACTIVE
				D11	BZV55C15	DIODE ZENER 15V 500MW SOD80C	1727-4962-1-ND	ACTIVE
				D14	BAT54S	DIODE ARRAY SCHOTTKY 30V SOT23-3	BAT54SLT1GOSCT-ND	ACTIVE
				D18	BZG03C30	DIODE ZENER 30V 1.25W DO214AC	BZG03C30-M3-08GICT-ND	ACTIVE
				D19	BZG03C30	DIODE ZENER 30V 1.25W DO214AC	BZG03C30-M3-08GICT-ND	ACTIVE
				IC3	IR2118S	IC GATE DRVR HIGH-SIDE 8SOIC	IR2118SPBF-ND	ACTIVE
				R6	680			
				R11	100			
				R31	10			
				R35	10			
				R58	1K			
				T2	IRFR024	MOSFET N-CH 55V 17A DPAK	IRFR024NPBFCT-ND	ACTIVE
				T3	IRFR024	MOSFET N-CH 55V 17A DPAK	IRFR024NPBFCT-ND	ACTIVE
				C12	100nF	15V		
				C13	220nF	15V		
				C14	2.2nF			
				C25	100nF	24V		
				D3	PMEG4005AEA	DIODE SCHOTTKY 40V 500MA SOD323	1727-5209-1-ND	ACTIVE
				D6	PMEG4005AEA	DIODE SCHOTTKY 40V 500MA SOD323	1727-5209-1-ND	ACTIVE
				D9	ES1D	DIODE GEN PURP 200V 1A SMA	ES1DFSCCT-ND	ACTIVE
				D12	BZV55C15	DIODE ZENER 15V 500MW SOD80C	1727-4962-1-ND	ACTIVE
				D15	BAT54S	DIODE ARRAY SCHOTTKY 30V SOT23-3	BAT54SLT1GOSCT-ND	ACTIVE
				D20	BZG03C30	DIODE ZENER 30V 1.25W DO214AC	BZG03C30-M3-08GICT-ND	ACTIVE
				D21	BZG03C30	DIODE ZENER 30V 1.25W DO214AC	BZG03C30-M3-08GICT-ND	ACTIVE
				IC4	IR2118S	IC GATE DRVR HIGH-SIDE 8SOIC	IR2118SPBF-ND	ACTIVE
				R9	680			
				R12	100			
				R32	10			
				R33	10			
				R59	1K			
				T4	IRFR024	MOSFET N-CH 55V 17A DPAK	IRFR024NPBFCT-ND	ACTIVE
				T5	IRFR024	MOSFET N-CH 55V 17A DPAK	IRFR024NPBFCT-ND	ACTIVE
				IC5	IR2118S	IC GATE DRVR HIGH-SIDE 8SOIC	IR2118SPBF-ND	ACTIVE
				C15	100nF	15V		
				C16	220nF	15V		
				C17	2.2nF			
				C26	100nF	24V		
				D4	PMEG4005AEA	DIODE SCHOTTKY 40V 500MA SOD323	1727-5209-1-ND	ACTIVE
				D7	PMEG4005AEA	DIODE SCHOTTKY 40V 500MA SOD323	1727-5209-1-ND	ACTIVE
				D10	ES1D	DIODE GEN PURP 200V 1A SMA	ES1DFSCCT-ND	ACTIVE
				D13	BZV55C15	DIODE ZENER 15V 500MW SOD80C	1727-4962-1-ND	ACTIVE
				D16	BAT54S	DIODE ARRAY SCHOTTKY 30V SOT23-3	BAT54SLT1GOSCT-ND	ACTIVE
				D22	BZG03C30	DIODE ZENER 30V 1.25W DO214AC	BZG03C30-M3-08GICT-ND	ACTIVE
				D23	BZG03C30	DIODE ZENER 30V 1.25W DO214AC	BZG03C30-M3-08GICT-ND	ACTIVE
				R10	680			
				R13	100			
				R20	10			
				R30	10			
				R60	1K			
				T7	IRFR024	MOSFET N-CH 55V 17A DPAK	IRFR024NPBFCT-ND	ACTIVE
				T8	IRFR024	MOSFET N-CH 55V 17A DPAK	IRFR024NPBFCT-ND	ACTIVE