

Count	RefDes	Value	MFR	Part Number	Description	Size	Mfr.
1	C25	0.1uF	muRata	GRM39COG271K050A	Capacitor, Ceramic, 270pF, 50V, COG	603	
1	C16	0.1uF	muRata	GRM39X7R104K016D	Capacitor, Ceramic, 0.1 uF, 16 V, X7R	603	
1	C19	0.1uF	muRata	GRM39X7R182K025A	Capacitor, Ceramic, 180pF, 25V, X7R	603	
1	C22	1000pF	muRata	GRM39COG271K050A	Capacitor, Ceramic, 270pF, 50V, COG	603	
1	C23	1500pF	muRata	GRM39COG151K050A	Capacitor, Ceramic, 150pF, 50V, COG	603	
1	C2	10uF	Taiyo Yuden	EMK325BJ106M	Capacitor, Ceramic, 10-uF, 16-V, [temp], [tol]	1210	
1	C12	100 uF	Nichicon	UHD1H101MXXX	Capacitor, Aluminum, 220-uF, 50-V, 20% (HD Series)	0.400", "	
5	C4	1000 uF	Nichicon	UHD1H102MXXX	Capacitor, Aluminum, 1000-uF, 50-V, 20% (HD Series)	0.492", "	
	C5	1000 uF	Nichicon	UHD1H102MXXX	Capacitor, Aluminum, 1000-uF, 50-V, 20% (HD Series)	0.492", "	
	C9	1000 uF	Nichicon	UHD1H102MXXX	Capacitor, Aluminum, 1000-uF, 50-V, 20% (HD Series)	0.492", "	
	C10	1000 uF	Nichicon	UHD1H102MXXX	Capacitor, Aluminum, 1000-uF, 50-V, 20% (HD Series)	0.492", "	
	C11	1000 uF	Nichicon	UHD1H102MXXX	Capacitor, Aluminum, 1000-uF, 50-V, 20% (HD Series)	0.492", "	
1	D7	MBR20100CT	On Semi	MBR20100CT	Diode, Dual Schottky, 100V, 20A	TO-220V	
1	D2	9.1-V	On Semi	BZX84C15LT1	Diode, Zener, 15V, 350mW, SOT23	SOT23	
2	HS1	576602b00000	Aavid	576602b00000	Heatsink, TO-220, Vertical-mount	0.500 x 0.950	
	HS2	576602b00000	Aavid	576602b00000	Heatsink, TO-220, Vertical-mount	0.500 x 0.950	
2	L2	100 uH	J.W.Miller	2305-H	Inductor, 100-uH, 8-A, zz-milliohm	1.280 dia	
	L3	100 uH	J.W.Miller	2305-H	Inductor, 100-uH, 8-A, zz-milliohm	1.280 dia	
1	R15	5.9K	Std	Std	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	
1	R12	9.09K	Std	Std	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	
1	R20	10K	Std	Std	Resistor, Chip, 1K-Ohms, 1/16-W, 1%	603	
3	R22	10K	Std	Std	Resistor, Chip, 20KOhms, 1/16-W, 1%	603	
	R25	10K	Std	Std	Resistor, Chip, 20KOhms, 1/16-W, 1%	603	
	R26	10K	Std	Std	Resistor, Chip, 20KOhms, 1/16-W, 1%	603	
1	R10	10K	Std	Std	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	
1	R11	14.7K	Std	Std	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	
1	R24	15K	Std	Std	Resistor, Chip, 15.0K-Ohms, 1/16-W, 1%	603	
1	R13	49.9K	Std	Std	Resistor, Chip, xx-Ohms, 1/16-W, yy%	603	
1	R23	100K	Std	Std	Resistor, Chip, 100K-Ohms, 1/16-W, 1%	603	
1	R19	150K	Std	Std	Resistor, Chip, 187K-Ohms, 1/16-W, 1%	603	
1	R2	10k	Std	Std	Resistor, Chip, 10k, 1%, 0805	805	
2	J1		OST	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25""	
	J4		OST	ED1514	Terminal Block, 2-pin, 6-A, 3.5mm	0.27 x 0.25""	
1	U1	{Value}		TLC271xx	IC, LinCMOS Programmable Low-Power Operational Amplifier	SO8	TI
1	TP6	{Value}	Mill-Max	1045-3-17-15-30-14-02-0	Post, Wirewrap, 0.043 press-fit	For 0.015-0.025" pins"	0.043", "
1	Q6	IRF318	IR	IRf318	MOSFET, N-ch, 80-V, 10A, 14-milliOhms	DPAK	
1	Q2	BC846	ON Semi	BC846ALT1	Bipolar, NPN, SOT23	SOT23	
1	Q7	FMMT3904TA	Zetex		Bipolar, NPN, 40-V, 200-mA, 330-mW	SOT23	
1	U2	UCC3813D-0	TI	UCC3813-3D	IC, Low-Power BiCMOS Current-mode PWM, Von = 4.1V	SO8	

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