

KickerBoard Rev C Population List

Population List

Kicker Board Revision C

71 Total Components

[Gerbers](#)

MPN	Quantity	Designator	Footprint	Comment	64 components
	2	CC1, CS	0603	22nF	
	1	CS2	0603	100pF	
	1	CSS	0603	100nF	
	1	C2	0603	220pF, 100V	
	1	C5	0603	47uF	
	1	C6	0603	4.7uF	
	1	CVCC	1206	4.7uF, 25V	
	1	C4	1206	4.7uF	
BAS16HT1G	1	D8	SOD323-W		
C1H 30	1	F1	1206	30A Power Fuse	
293D476X9025D2TE3	1	C3	2917		
UWT1E471MNL1GS	1	C1	Radial, Can - SMD		
LT3757	1	U1	10-MSOP	Flyback Converter Controller	
IX4427N	1	U2	8-SOIC	IGBT Gate Driver	
ATTINY84A	1	U3	14-SOIC	Microcontroller	
DA2034	1	T1	12-SMD	Transformer	
Multiple	3	SB1, SB3, 12V_SB	0603	0ohm	
52852-0870	1	J4	Molex 52852-0870	Control Board Flex Cable Connector	
LTST-S270KRKT	1	LED	0603	Deathlight	
STB40NF20	1	Q1	TO-263-3	Flyback Converter Power MOSFET	
FQT1N80TF_WS	2	Q4, Q5	SOT-223-3		
FDV303N	1	Q3	SOT-23		
	1	RS	0805	0.015, 1%, 1/2W	
	2	R2, R3	0603	22ohm	
	3	R20, R21, R16	0603	220ohm	
	4	R1, R8, R9, R17	0603	10kohm, 1%	

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		1	RT	0603	140kohm
	MCR03EZPFX1004	3	R4, R5, R12	0603	1Mohm, 1%
		2	R10, R11	0603	10ohm
		1	R14	0603	10Mohm
	RHC2512FT33K0	1	R15	2512	33kohm, 1%, 2W
		1	R6	0603	470kohm, 1%
		1	R7	0603	16.2kohm, 1%
		1	RC	0603	6.8kohm
	STTH3R06U	1	D1	DO-214AA	
	S10M-TP	2	D4, D6	DO-214AB	Flyback Voltage Diode
	BZV55-B18,115	3	D3, D5, D7	DO-213AC	
	PWR163S-25-3301J	2	R18, R19	TO-252-3	33kohm, 25W
	PTS645SK50SMTR92 LFS	4	U\$2, U\$3, U\$4, U\$5	4-SMD	Red Push Buttons
	TIG058E8-TL-H	2	U\$6, U\$7	8-SMD	Alternative IGBTs, Ignore
	Multiple	3	SB4, SB5, 5V_SB	0603	0ohm, Ignore
THROUGH-HOLE					
	B2PS-VH(LF)(SN)	5	J1, J2, J3, J5, J6	B2PS-VH	Kicker Connector, Through Hole
	IXGK400N30A3	2	Q2, Q2	TO-264-3	IGBTs, Through Hole

7 components

Related Parts					