

Component list

Source Data From:

RD071408JC.PrjPCB

Project:

24VIN, 23LED, 350mA, MAX16834 Boost

Variant:

None

Creation Date:

Print Date:

#	Designator	LibRef	Comment	Footprint	Quantity	Notes
1	C1, C2	CAPACITOR - POLARIZED	330uF,35V	CAPACITOR - 10X20	2	Panasonic-ECG
2	C3	CAPACITOR - POLARIZED	No-pop	CAPACITOR - 10X20	1	
3	C4, C5	CAPACITOR - POLARIZED	47uF,160V	CAPACITOR - 10X20	2	Panasonic-ECG
4	C6	CAPACITOR - NONPOLARIZED	0.01uF,200V,X7R	1206	1	Murata
5	C7	CAPACITOR - NONPOLARIZED	2.2uF,16V,X7R	0805	1	Murata
6	C8, C16	CAPACITOR - NONPOLARIZED	0.001uF,50V,X7R	0603	2	Murata
7	C9, C10, C11, C15, C17	CAPACITOR - NONPOLARIZED	0.1uF,25V,X7R	0603	5	Murata
8	C12	CAPACITOR - NONPOLARIZED	0.33uF,10V,X7R	0805	1	Murata
9	C13	CAPACITOR - NONPOLARIZED	470pF,50V,C0G	0603	1	Murata
10	C14	CAPACITOR - NONPOLARIZED	0.1uF,50V,X7R	0603	1	Murata
11	C18	CAPACITOR - NONPOLARIZED	No-pop	1812	1	
12	D1, Q2, Q4	DIODE - D2PAK, MOSFET - N	No-pop	TO-252 D-PAK	3	
13	D2	DIODE	ES3DB	SMB	1	Diodes, Inc
14	D4	DIODE	BAV16WS-7-F	SOD323	1	Diodes, Inc
15	D5, D6	DIODE - SCHOTTKY, DIODE - ZENER	no-pop	SOD-523	2	
16	L1	INDUCTOR	MSS1278-123	INDUCTOR - COILCRAFT MSS1278	1	Coilcraft
17	L2	INDUCTOR	SHORT		1	
18	Q1	MOSFET - N CHANNEL	IRFR4615	TO-252 D-PAK	1	International Rectifier
19	Q3	MOSFET - N TSSOP-6	FDC2512	SOT23-6	1	Fairchild
20	Q5	TRANSISTOR - NPN	no-pop	SOT23-3	1	
21	R1, R2	RESISTOR	0.1,0.5W	2010	2	
22	R3	RESISTOR	0.47	1206	1	
23	R4	RESISTOR	2.0	0603	1	
24	R5, R6	RESISTOR	499K	1206	2	
25	R7, R11	RESISTOR	14.3K	0603	2	
26	R8, R15	RESISTOR	16.5K	0603	2	
27	R9, R12	RESISTOR	10.0K	0603	2	
28	R10	RESISTOR	187K	0603	1	
29	R13	RESISTOR	4.75K	0603	1	
30	R14	RESISTOR	20.5K	0603	1	
31	R16	RESISTOR	0	0603	1	
32	R17	RESISTOR	no-pop	0603	1	
33	R18, R19	RESISTOR	0	1206	2	
34	U1	MAX16834	MAX16834	QFN-20 4X4	1	Maxim Integrated Products