

Bill Of Materials April 8,2010 12:00:51

Item	Quantity	Reference	Part	PCB Footprint	Manufacturer	Part Number	Distributor	Distributor Num	Comments
1	15	C1,C4,C5,C12,C17,C20,C23,C24,C32,C33,C34,C35,C36,C39,C46	0.1u	0805	Kemet	C0805C104K3RACTU	Digikey	399-1168-1-ND	
2	4	C2,C3,C21,C22	470p	0805	Murata	GRM2165C2A471JA01D	Digikey	490-1611-1-ND	
3	2	C26,C6	33p	0805	Murata	GRM2195C2A330JZ01D	Digikey	490-1592-1-ND	
4	2	C27,C7	22p	0805	Murata	GRM2195C2A220JZ01D	Digikey	490-1591-1-ND	
5	4	C8,C10,C25,C29	100p	0805	Murata	GRM2165C2A101JA01D	Digikey	490-1599-1-ND	
6	2	C30,C9	150p	0805	Murata	GRM2165C2A151JA01D	Digikey	490-1603-1-ND	
7	3	C11,C15,C28	0.47u	0805	Murata	GRM21BR72A474KA73L	Digikey	490-3326-1-ND	
8	2	C31,C13	200p	0805	Murata	GRM2165C2A201JA01D	Digikey	490-1606-1-ND	
9	1	C14	470u	FKISMD	Panasonic	EEV-FK1J471M	Digikey	PCE3485CT-ND	L=5000hrs/105C, 63volt
10	1	C16	4.7u	1206	Kemet	C1206C475K8RACTU	Digikey	399-4950-1-ND	10v ceramic
11	2	C19,C18	10u	1206	Kemet	C1206C10628VACTU	Digikey	399-1299-1-ND	10v ceramic
12	4	C37,C38,C40,C42	1000p	0805	Murata	GRM2165C1H102JA01D	Digikey	490-1622-1-ND	5%
13	2	C44,C41	3300p	0805	Murata	GRM2165C1H332JA01D	Digikey	490-1628-1-ND	5%
14	1	C43	2.2u	1206	Kemet	C1206C225K4PACTU	Digikey	399-1263-1-ND	16v ceramic
15	1	C45	6.8p	0805	AVX	08051A6R8CAT2A	Digikey	478-5025-1-ND	
16	1	C47	22u	HD/SMT	Panasonic	EEE-HD1J220P	Digikey	PCE4982CT-ND	L=5000hrs/105C, 63v
17	5	D1,D2,D3,D4,D5	1N4148	SOD123	Diodes Inc	1N4148W-7-F	Digikey	1N4148W-FDICT-ND	
18	3	D6,D7,D8	LED	1206	Lumex	SML-LX1206SIC-TR	Digikey	67-1695-1-ND	
19	2	GAP2,GAP1	GTC523-75	GDT/3MM	Raychem	GTC523-750M-R01	Mouser		3mm 75v gas discharge tube
20	1	JP1	Header14	HEADER7X2	3M	N2514-6002-RB	Digikey	MHC14K-ND	mate 89114-0101
21	2	J7,J1	Ftype_S	FCONREV1	Tyco	5-1814825-1	Digikey	A97611-ND	F-straight, mate Amphenol 222F-90
22	2	J8,J2	Ftype	FCONREV1	Tyco	5415024-1	Digikey	5415024-1-ND	
23	2	J5,J6	TP	TSTPNT1THRU					
24	6	L1,L2,L3,L5,L6,L7	1100nH	1008CS	Coilcraft	1008AF-112XKLB			
25	2	L8,L4	390uH	MSS1278	Coilcraft	MSS1278-394KLB			
26	1	Q1	FDD3672	TO-252	Fairchild	FDD3672	Digikey	FDD3672CT-ND	
27	1	Q2	2SC5876	SOT-323	Rohm	2SC5876T106Q	Digikey	2SC5876T106QCT-ND	
28	4	R1,R2,R14,R15	1k	0805	Panasonic	ERJ-6ENF1001V	Digikey	P1.00KCCT-ND	
29	4	R3,R4,R16,R17	3.16k	0805	Panasonic	ERJ-6ENF3161V	Digikey	P3.16KCCT-ND	
30	2	R18,R5	1.4k	0805	Panasonic	ERJ-6ENF1401V	Digikey	P1.40KCCT-ND	
31	2	R19,R6	1.05k	0805	Panasonic	ERJ-6ENF1051V	Digikey	P1.05KCCT-ND	
32	2	R20,R7	2.67k	0805	Panasonic	ERJ-6ENF2671V	Digikey	P2.67KCCT-ND	
33	2	R21,R8	2.87k	0805	Panasonic	ERJ-6ENF2871V	Digikey	P2.87KCCT-ND	
34	2	R22,R9	1.74k	0805	Panasonic	ERJ-6ENF1741V	Digikey	P1.74KCCT-ND	
35	2	R23,R10	75	0805	Panasonic	ERJ-6ENF75R0V	Digikey	P75.0CCT-ND	
36	5	R13,R30,R31,R39,R40	10k	0805	Panasonic	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	
37	3	R24,R26,R41	4.75k	0805	Panasonic	ERJ-6ENF4751V	Digikey	P4.75KCTR-ND	
38	7	R25,R35,R42,R43,R44,R45,R47	47.5k	0805	Panasonic	ERJ-6ENF4752V	Digikey	P47.5KCTR-ND	
39	1	R27	2.00k	0805	Panasonic	ERJ-6ENF2001V	Digikey	P2.00KCCT-ND	
40	1	R28	4.02k	0805	Panasonic	ERJ-6ENF4021V	Digikey	P4.02KCCT-ND	
41	1	R29	6.04k	0805	Panasonic	ERJ-6ENF6041V	Digikey	P6.04KCCT-ND	
42	2	R32,R46	3.01k	0805	Panasonic	ERJ-6ENF3011V	Digikey	P3.01KCCT-ND	
43	1	R33	0.027	2010/4	Ohmite	LVK20R027FER	Digikey	LVK20R027FERCT-ND	1%, 4terminal resistor
44	1	R34	191k	0805	Panasonic	ERJ-6ENF1913V	Digikey	P191KCCT-ND	
45	1	R36	121k	0805	Panasonic	ERJ-6ENF1213V	Digikey	P121KCCT-ND	
46	1	R37	4.99k	0805	Panasonic	ERJ-6ENF4991V	Digikey	P4.99KCCT-ND	
47	1	R38	8.45k	0805	Panasonic	ERJ-6ENF8451V	Digikey	P8.45KCCT-ND	
48	1	R48	100k	0805	Panasonic	ERJ-6ENF1003V	Digikey	P100KCCT-ND	
49	2	SHLD2,SHLD1	BMI-S-104	RF/SHIELD	LairdTech	BMI-S-104	Digikey	903-1009-1-ND	1.26inx1.26in
50	4	U1,U4,U9,U12	74VHC221A	SOIC-16	Fairchild	74VHC221AM	Fairchild Direct	74VHC221AM	PW depends on Manufacturer, use Fairchild
51	2	U5,U2	M74VHC1GT125	SOT23-5	ONSemi	M74VHC1GT125DT1G	Digikey	M74VHC1GT125DT1GOSCT-ND	
52	2	U6,U3	OPA2830	SOIC-8	TI	OPA2830ID	Digikey	296-17957-5-ND	
53	1	U7	NC7SZ14	SOT23-5	Fairchild	NC7SZ14MSX	Digikey	NC7SZ14MSXCT-ND	
54	1	U8	LMV7239	SOT23-5	National	LMV7239M5X/NOPB	Digikey	LMV7239M5X-ND	
55	1	U10	74HC32	SOIC-14	Fairchild	MM74HC32MX	Digikey	MM74HC32MXCT-ND	
56	1	U11	74HC08	SOIC-14	Fairchild	MM74HC08MX	Digikey	MM74HC08MXCT-ND	
57	1	U13	LM4128	SOT23-5	National	LM4128DMF-2.5/NOPB	Digikey	LM4128DMF-2.5CT-ND	2.5v reference
58	1	U14	LP2985	SOT23-5	National	LP2985IM5-3.3/NOPB	Digikey	LP2985IM5-3.3CT-ND	
59	1	U15	LM5069	10-MSOP	National	LM5069MM-2/NOPB	Digikey	LM5069MM-2CT-ND	