

Bill Of Materials December 19,2009 8:50:49

Item	Quantity	Reference	Part	PCB Footprint	Manufacturer	Part Number	Distributor	Distributor Num	Comments
1	14	C1,C2,C3,C8,C13,C16,C17,C25,C26,C27,C28,C29,C32,C36	0.1u	0805	Kemet	C0805C104K3RACTU	Digikey	399-1168-1-ND	
2	3	C4,C18,C22	100p	0805	Murata	GRM2165C2A101JA01D	Digikey	490-1599-1-ND	
3	3	C5,C10,C21	0.47u	0805	Murata	GRM21BR72A474KA73L	Digikey	490-3326-1-ND	
4	2	C11,C6	4.7u	1206	Kemet	C1206C475K8RACTU	Digikey	399-4950-1-ND	10v ceramic
5	2	C24,C7	200p	0805	Murata	GRM2165C2A201JA01D	Digikey	490-1606-1-ND	
6	1	C9	470u	FK1SMD	Panasonic	EEV-FK1J471M	Digikey	PCE3485CT-ND	L=5000hrs/105C, 63volt
7	1	C12	10u	1206	Kemet	C1206C106Z8VACTU	Digikey	399-1299-1-ND	10v ceramic
8	2	C14,C15	470p	0805	Murata	GRM2165C2A471JA01D	Digikey	490-1611-1-ND	
9	1	C19	33p	0805	Murata	GRM2195C2A330JZ01D	Digikey	490-1592-1-ND	
10	1	C20	22p	0805	Murata	GRM2195C2A220JZ01D	Digikey	490-1591-1-ND	
11	1	C23	150p	0805	Murata	GRM2165C2A151JA01D	Digikey	490-1603-1-ND	
12	2	C30,C31	1000p	0805	Murata	GRM2165C1H102JA01D	Digikey	490-1622-1-ND	5%
13	1	C33	2200p	0805	Murata	GRM2165C1H222JA01D	Digikey	490-1628-1-ND	5%
14	1	C34	3300p	0805	Murata	GRM2165C1H332JA01D	Digikey	490-1628-1-ND	5%
15	1	C35	6.8p	0805	AVX	08051A6R8CAT2A	Digikey	478-5025-1-ND	
16	5	D1,D2,D4,D5,D6	1N4148	SOD123	Diodes Inc	1N4148W-7-F	Digikey	1N4148W-FDICT-ND	
17	4	D7,D8,D9,D10	BAS16	SOT-23	NXP	BAS16 T/R	Digikey	568-1596-1-ND	1.5pf Cd
18	1	D11	LED	1206/LED	Lumex	SML-LX1206SIC-TR	Digikey	67-1695-1-ND	
19	2	GAP2,GAP1	GTCS23-75	GDT/3MM	Raychem	GTCS23-750M-R01	Mouser		3mm 75v gas discharge tube
20	1	JP1	HEADER 5X2	HEADER5X2	3M	N2510-6002-RB	Digikey	MHC10K-ND	mate D89110-0131HK
21	1	JP2	HEADER 10X2	HEADER10X2	3M	N2520-6002-RB	Digikey	MHC20K-ND	mate D89120-0131HK
22	2	J10,J1	SMB	SMBCONN	Amphenol	142138-75	Digikey	ACX1313-ND	order mating cable
23	2	J11,J2	Ftype	FCONREV1	Tyco	5415024-1	Digikey	5415024-1-ND	
24	2	J4,J5	TP	TSTPNTTHRU					
25	6	L1,L2,L3,L5,L6,L7	1100nH	1008CS	Coilcraft	1008AF-112XKLB			
26	2	L8,L4	390uH	MSS1278	Coilcraft	MSS1278-394KLB			
27	3	R1,R20,R27	47.5k	0805	Panasonic	ERJ-6ENF4752V	Digikey	P47.5KCCT-ND	
28	4	R2,R19,R21,R31	4.75k	0805	Panasonic	ERJ-6ENF4751V	Digikey	P4.75KCCT-ND	
29	2	R18,R4	75	0805	Panasonic	ERJ-6ENF75R0V	Digikey	P75.0CCT-ND	
30	3	R9,R10,R26	1k	0805	Panasonic	ERJ-6ENF1001V	Digikey	P1.00KCCT-ND	
31	2	R12,R11	3.16k	0805	Panasonic	ERJ-6ENF3161V	Digikey	P3.16KCCT-ND	
32	1	R13	1.4k	0805	Panasonic	ERJ-6ENF1401V	Digikey	P1.40KCCT-ND	
33	1	R14	1.05k	0805	Panasonic	ERJ-6ENF1051V	Digikey	P1.05KCCT-ND	
34	1	R15	2.67k	0805	Panasonic	ERJ-6ENF2671V	Digikey	P2.67KCCT-ND	
35	1	R16	2.87k	0805	Panasonic	ERJ-6ENF2871V	Digikey	P2.87KCCT-ND	
36	1	R17	1.74k	0805	Panasonic	ERJ-6ENF1741V	Digikey	P1.74KCCT-ND	
37	2	R24,R22	4.99k	0805	Panasonic	ERJ-6ENF4991V	Digikey	P4.99KCCT-ND	
38	2	R23,R30	3.01k	0805	Panasonic	ERJ-6ENF3011V	Digikey	P3.01KCCT-ND	
39	1	R25	30k	0805	Panasonic	ERJ-6ENF3002V	Digikey	P30.0KCCT-ND	
40	2	R28,R29	10k	0805	Panasonic	ERJ-6ENF1002V	Digikey	P10.0KCCT-ND	
41	2	SHLD2,SHLD1	BMI-S-104	RF/SHIELD	LairdTech	BMI-S-104	Digikey	903-1009-1-ND	1.26inx1.26in
42	2	U6,U1	NC7SZ14	SOT23-5	Fairchild	NC7SZ14M5X	Digikey	NC7SZ14M5XCT-ND	
43	2	U7,U2	LMV7239	SOT23-5	National	LMV7239M5X/NOPB	Digikey	LMV7239M5X-ND	
44	2	U9,U3	74VHC221A	SOIC-16	Fairchild	74VHC221AM	Fairchild Direct	74VHC221AM	PW depends on Manufacturer, use Fairchild
45	1	U4	M74VHC1GT125	SOT23-5	ONSemi	M74VHC1GT125DT1G	Digikey	M74VHC1GT125DT1GOSCT-ND	
46	1	U5	OPA2830	SOIC-8	TI	OPA2830ID	Digikey	296-17957-5-ND	
47	1	U8	74HC74	SOIC-14	Fairchild	MM74HC74AMX	Digikey	MM74HC74AMXCT-ND	
48	1	U10	74VHC123A	SOIC-16	Fairchild	74VHC123AM	Fairchild Direct	74VHC123AM	PW depends on Manufacturer, use Fairchild
49	1	U11	LM4128	SOT23-5	National	LM4128DMF-2.5/NOPB	Digikey	LM4128DMF-2.5CT-ND	2.5v reference
50	1	U12	LP2985	SOT23-5	National	LP2985IM5-3.3/NOPB	Digikey	LP2985IM5-3.3CT-ND	