

Bill Of Materials									
Line #	Designator	Comment	Quantity	Value					
1	C1, C4, C13, C21	TDK CD12-E2GA222MYNS	4	2.2nF					
2	C2, C3	EPCOS B32922C3104	2	100nF					
3	C5, C6, C26	EPCOS C2012X7R1H104K	3	100nF					
4	C7, C8, C9	ETHER C3216X7R1H105K	3	1uF					
5	C10	TDK C3216C0G2J222J115A A	1	2.2nF					
6	C11	RUBYCON 400BXC68MEFC18X25	1	68uF					
7	C12, C14, C17	EPCOS B41827A6226M000	3	22uF					
8	C15	MURATA GA355QR7GF222KW0 1L	1	2.2nF					
9	C16	EPCOS B37871K5221J60	1	DNP					
10	C18	EPCOS B41856A5108M000	1	1000uF					
11	C19	EPCOS B41856A5337M008	1	330uF					
12	C20, C23	EPCOS B37872K5223K60	2	22nF					
13	C22	EPCOS B37940K51102J60	1	1nF					
14	C24, C27	EPCOS CL31B473KBCNNNC	2	47nF					
15	C25	EPCOS B32529C0102K000	1	1nF					
16	C28, C29	EPCOS B32794D2106	2	10uF					
17	D1	M7	1						
18	D2, D5, D8	ES1D	3						
19	D3, D6	BZV55C15V	2						
20	D4	STTH112	1						
21	D7	V30100C	1						
22	D9	BZV55C22V	1						
23	IC1	TPS71501	1						
24	IC2	ICE3BR1765J	1						
25	L1	Coupled Inductors	1	1mH					
26	L2	2 Primary, 3 Secondary, Shield	1						
27	L3, L4	Inductor	2	10nH					
28	L5	Coupled Inductors	1	10mH					
29	L6	Coupled Inductors	1	10mH					
30	L7	Coupled Inductors	1	10mH					
31	P1, P7	WF-4	2						
32	P2, P3, P4, P6	Faston 5mm PCB	4						
33	P5	XY2500R-A-3P	1						
34	P8	WF-5	1						
35	P9	WF-2	1						
36	Q1	IPx65R110CFD	1						
37	R1, R6	Shunt Resistor Kelvin	2	20m					
38	R2, R3, R4, R5, R9	Resistor SMD 1206	5	1M					
39	R7, R8, R12	Resistor SMD 1206	3	100K					
40	R10	Bourns 3386	1	1M					
41	R11	Resistor SMD 0805	1	10R					
42	R13	Resistor SMD 2512	1	1K					
43	R14, R15	Resistor SMD 1206	2	1R3 1%					
44	R16	Resistor SMD 0805	1	18R					
45	R17	Resistor SMD 1206	1	1K					
46	R18	Resistor SMD 0805	1	47R					
47	R19	Resistor Through-hole	1	75K					
48	R20	Resistor SMD 0805	1	1.2K					
49	R21, R23	Resistor SMD 0805	2	1K					
50	R22	Resistor SMD 0805	1	430R					
51	R24	Resistor SMD 0805	1	DNP					
52	R25	Resistor SMD 0805	1	20K					
53	U1	IRS2101	1						
54	U2, U3	SFH617A	2						
55	U4	TL431ACLP	1						
					View from Top side (Scale 1:1)				