

## DEMO CIRCUIT 1185A-B

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacture / Part #</i>
<b>REQUIRED CIRCUIT COMPONENTS</b>				
1	3	C11,C32,C36	CAP, 0805 4.7uF 10% 6.3V X5R	AVX 08056D475KAT
2	5	C12,C14,C15,C41,C44	CAP, 0603 1nF 10% 50V X7R	AVX 06035C102KAT
3	5	C2,C17,C20,C21,C47	CAP, 0603 0.1uF 10% 25V X7R	TDK C1608X7R1E104K
4	2	C43,C42	CAP, 0603 100pF 5% 25V X7R	AVX 06033C101JAT
5	1	CIN1	CAP, 180uF 20% 16V OSCON	SANYO OSCON 16SVP180MX
6	2	CIN2,CIN3	CAP, 1210 10uF 10% 16V X5R	TAIYO YUDEN EMK325BJ106KN-T
7	2	COU1,COU4	CAP, 1210 100uF 20% 6.3V X5R	TDK C3225X5R0J107MT
8	4	COU2,COU3,COU5,COU6	CAP, 7343 330uF 20% 2.5V POSCAP	SANYO 2R5TPE330M9
9	2	D2,D1	DIODE,CMDSH-3 SOD323	CENTRAL CMDSH-3TR
10	2	L1,L2	IND, 0.4uH	VITEC 59PR9875
11	2	Q1, Q3	XSTR, N-CHANNEL MOSFET	RENESAS RJK0305DPB
12	2	Q2, Q4	XSTR, N-CHANNEL MOSFET	RENESAS RJK0301DPB
13	1	R10	RES, 0603 2.55K OHMS 1% 1/10W	VISHAY CRCW06032K55FKEB
14	1	R18	RES, 0603 2.2 OHMS 5% 1/10W	VISHAY CRCW06032R20JNEA
15	1	R27	RES, 0603 17.8K OHMS 1% 1/10W	VISHAY CRCW060317K8FKEA
16	4	R29,R30,R39,R40	RES, 0603 100 OHMS 5% 1/10W	VISHAY CRCW0603100RJNEA
17	2	R31,R35	RES, 0603 5.9K OHMS 1% 1/10W	VISHAY CRCW06035K90FKEA
18	2	R32,R33	RES, 0603 20K OHMS 1% 1/10W	VISHAY CRCW060320KFKEA
19	1	R43	RES, 0603 10.0K OHMS 1% 1/10W	VISHAY CRCW060310K0FKEB
20	1	R46	RES, 0603 100K OHMS 5% 1/10W	VISHAY CRCW0603100KJNEB
21	2	R7,R4	RES, 0603 10K OHMS 1% 1/16W	VISHAY CRCW060310K0FKEB
22	3	R8,R9,R25	RES, 0603 0 OHM JUMPER	Panasonic ERJ3GEY0R00V
23	2	RS2,RS1	RES, 2010 0.002 OHMS 5% 1/2W	VISHAY WSL20102L000FEA
24	1	U1	IC, LTC3850EUF	LINEAR TECH. LTC3850EUF

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<b>ADDITIONAL CIRCUIT COMPONENTS</b>				
1	0	CIN5,CIN4	CAP, 1210 OPTION	OPTION
2	0	C1,C37,C38,C47,C48,C49	CAP, 0603 OPTION	OPTION
3	1	C50	CAP, 0603 1uF 20% 16V X7R	AVX 0603YC105MAT2A
4	0	D4,D3	DIODE, SCHOTTKY 40V 3A OPTION	OPTION
5	0	Q5,Q6,Q7,Q8	DO NOT STUFF	OPTION
6	3	R1,R3,R36	RES, 0603 0 OHM JUMPER	Panasonic ERJ3GEY0R00V
7	0	R2,R26,R28,R34,R37,R38,R41,R42,	RES, 0603 OPTION	OPTION
		R44,R45,R47,R49,R50-R53,R55,		
		R60-R62		
<b>HARDWARE</b>				
1	12	E1-E6,E9-E14	TURRET	MILL-MAX 2501-2-00-80-00-00-07-0
2	2	JP2,JP1	HEADER,3PIN, 2mm	SAMTEC TMM-103-02-L-S
3	1	JP3	HEADER, 4PIN	SAMTEC TMM-104-02-L-S
4	6	J1,J2,J3,J4,J5,J6	JACK, BANANA	KEYSTONE 575-4
5	3	JP1-JP3	SHUNT, 2mm	SAMTEC 2SN-BK-G