

## DEMO CIRCUIT 1292A

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacture / Part #</i>
<b>REQUIRED CIRCUIT COMPONENTS</b>				
1	2	CIN1,CIN4	CAP, X5R, 10uF 16V, 20%, 1210	TDK, C3225X5R1C106MT
2	1	CIN3	CAP, OSCON, SVP, 180uF, 16V, 20%	SANYO, 16SVP180MX
3	2	COUT1,COUT2	CAP, X5R, 100uF 6.3V, 20%, 1206	MURATA, GRM31CR60J107ME39L
4	2	COUT3,COUT4	CAP, POSCAP, 330uF, 2.5V, 20%, 7343	SANYO, 2R5TPE330M9
5	1	C1	CAP, X5R, 1uF, 16V, 10%, 0603	AVX, 0603YD105KAT2A
6	2	C2,C4	CAP, X7R, 0.1uF, 16V, 10%, 0603	AVX, 0603YC104KAT2A
7	1	C3	CAP, C0G, 68pF, 50V, 5%, 0603	AVX, 06035A680JAT2A
8	1	C5	CAP, COG, 390pF, 50V, 5%, 0603	AVX, 06035A391JAT2A
9	1	C6	CAP, X5R, 4.7uF, 16V, 10%, 0805	KEMET, C0805C475K4PAC
10	1	D1	DIODE, SCHOTTKY, 30V, SOD323	CENTRAL SEMI., CMDSH3 TR
11	1	L1	IND, PWR, 0.47uH, L-PULSE-PA0515	PULSE, PA0515.471NLT
12	1	Q1	MOSFET, POWER N-CH, LFPK	RENESAS, RJK0305DPB
13	1	Q3	MOSFET, POWER N-CH, LFPK	RENESAS, RJK0330DPB
14	1	R1	RES, CHIP, 100K, 1/16W, 5%, 0603	VISHAY, CRCW0603100KJKEA
15	1	R4	RES, CHIP, 2.2, 1/16W, 5%, 0603	VISHAY, CRCW06032R20JNEA
16	1	R5	RES, CHIP, 13K, 1/16W, 5%, 0603	VISHAY, CRCW060313K0JNEA
17	1	R6	RES, CHIP, 20K, 1/16W, 1%, 0603	VISHAY, CRCW060320K0FKEA
18	3	R7,R11,R13	RES, CHIP, 0 , 1/16W, 0603	VISHAY, CRCW06030000Z0EA
19	1	R5	RES, CHIP, 10K, 1/16W, 5%, 0603	VISHAY, CRCW060310K0JNEA
20	1	U1	IC, LTC3878,GN16	LINEAR TECH., LTC3878EGN
<b>ADDITIONAL CIRCUIT COMPONENTS</b>				
1	0	CIN2	CAP, 1210	OPT
2	0	C7,C8	CAP, 0603	OPT
3	0	Q2,Q4	MOSFET, POWER N-CH, LFPK	OPT
4	0	R9	RES, CHIP, 0603	OPT
<b>HARDWARE</b>				
1	6	E1-E4,E6,E7	TESTPOINT, TURRET, .094"	MILL-MAX, 2501-2-00-80-00-00-07-0
2	2	JP1,JP2	JMP, 3PIN 1 ROW .079CC	SAMTEC, TMM-103-02-L-S
3	2	JP1,JP2 (1 & 2 )	SHUNT, .079" CENTER	SAMTEC, 2SN-BK-G
4	4	J1,J2,J3,J4	JACK, BANANA, KEY-575	KEYSTONE, 575-4
5	4	4 CORNERS	STAND-OFF, NYLON 0.50"	KEYSTONE, 8833 (SNAP-ON)