

	A	B	C	D	E	F
1						
2	LINEAR TECHNOLOGY CORP.					
3	DEMO BOARD BILL OF MATERIALS					
4	DUAL 2A STEP-DOWN MODULE REGULATOR					
5	SKU# = DC2568A					
6	IC NO. = LTM4622AV					
7						
8	Item	Qty	Part Reference	Description	Manufacturer	Manufacturer PN
9	<b>REQUIRED CIRCUIT COMPONENTS:</b>					
10	1	1	C1	CAP.,2.2uF,X5R,10V,10%,0603	MURATA	GRM188R61A225KE34D
11	2	2	C2,C30	CAP.,10uF,X5R,25V,10%,0805	MURATA	GRM21BR61E106KA73L
12	3	2	C3,C13	CAP.,22uF,X5R,25V,20%,0805	MURATA	GRM21BR61E226ME44L
13	4	2	C8,C28	CAP.,10pF,C0G,25V,5%,0603	AVX	06033A100JAT2A
14	5	2	C10,C32	CAP.,22uF,TANT POLY,25V,20%,7343, D2	PANASONIC	25TQC22MV
15	6	4	C16,C20,C23,C29	CAP.,4.7uF,X5R,16V,10%,0805	MURATA	GRM219R61C475KE15D
16	7	2	C17,C25	CAP.,47uF,TANT.POLYMER,16V,20%,7343	PANASONIC	16TQC47MW
17	8	2	C21,C24	CAP.,0.1uF,X5R,25V,10%,0603	AVX	06033D104KAT2A
18	9	1	PCB1	PCB, DC2568A	EAGLE ELECTRONICS, INC	600-DC2568A
19	10	4	R9,R15,R24,R25	RES.,100k OHMS,5%,1/10W,0603	VISHAY	CRCW0603100KJNEA
20	11	1	R11	RES.,13.3k OHMS,1%,1/10W,0603	VISHAY	CRCW060313K3FKEA
21	12	1	R13	RES.,0 OHM,1/10W,0603	VISHAY	CRCW06030000Z0EA
22	13	1	R20	RES.,8.25k OHMS,1%,1/10W,0603	VISHAY	CRCW06038K25FKEA
23	14	1	R30	RES.,0 OHM,1/2W,1206,HIGH POWER	VISHAY	CRCW12060000Z0EAHP
24	15	1	U1	IC,Dual 2A Step-Down uMODULE REG.,LGA	LINEAR TECHNOLOGY	LTM4622AV#PBF
25						
26	<b>ADDITIONAL DEMO BOARD CIRCUIT COMPONENTS:</b>					
27	1	0	C11,C14,C26,C31	CAP., OPTION, 1210		
28	2	0	C15,C22	CAP., OPTION, 0603		
29	3	0	R2,R10,R12,R14,R16-	RES., OPTION, 0603		
30	4	0	R29	RES., OPTION, 1206		
31						
32	<b>HARDWARE</b>					
33	1	13	E1-E13	TEST POINT,TURRET,0.094",MTG. HOLE	MILL-MAX	2501-2-00-80-00-00-07-0
34	2	2	JP1,JP2	CONN.,HDR,MALE,1x3,2mm,THT, STR	Wurth Elektronik	62000311121
35	3	1	JP3	CONN.,HDR,MALE,2x3,2mm,THT, STR	WURTH ELEKTRONIK	62000621121

	A	B	C	D	E	F
36	4	1	LB1	LABEL SPEC, DEMO BOARD SERIAL NUMBER	BRADY	THT-96-717-10
37	5	4	MP1-MP4	STANDOFF,NYLON, SNAP-ON, 0.250"	KEYSTONE	8831
38	6	3	XJP1-XJP3	CONN.,SHUNT,FEMALE,2 POS,2mm	Würth Elektronik	60800213421