

# Linear Technology Corporation

LTC1668CG

**Bill Of Materials**  
**Demo Bd. #2459A2-General BOM**

2/22/2016 11:56 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>270</b>
1	0	C3	CAP., 0.1uF, X7R, 25V,10%, 0603	OPT	0
2	4	C5,C7,C11,C14	CAP., 0.1uF, X7R, 25V,10%, 0603	MURATA, GRM188R71E104KA01D	1080
3	0	C9,C16	CAP., 0603	OPT	0
4	1	C12	CAP., 1uF, X5R, 50V, 10%, 0603	MURATA, GRM188R61H105KAALD	270
5	6	C20,C21,C23,C24,C25,C27	CAP., 10uF, X5R, 25V, 20%, 0603	MURATA, GRM188R61E106MA73D	1620
6	2	C22,C26	CAP., 0.01uF, X7R, 50V, 10%, 0603	MURATA, GRM188R71H103KA01D	540
7	8	E1-E4,E8-E11	TEST POINT, TURRET, 0.094"	MILL-MAX, 2501-2-00-80-00-00-07-0	2160
8	0	E5,E6,E7	TEST POINT, TURRET, 0.094"	OPT	0
9	2	JP1,JP2	CONN., HEADER, MALE, 1X3, 2mm, THT	Würth Elektronik, 62000311121	540
10	1	JP3	HEADER, 2.54 mm 1X2 STR GOLD PLATING	Würth Elektronik, 61300211121	270
11	1	J1	CONN., HEADER, 14 Pin, 2mm	MOLEX, 87831-1420	270
12	1	J2	HEADER, 2.54 mm 10 PINS STR GOLD PLATING	Würth Elektronik, 61301011121	270
13	1	J3	SOCKET, 2.54 mm 2x20 STR GOLD PLATING	SAMTEC BCS-120-L-D-TE	270
14	1	J4	HEADER, 2.54 mm 2x20 STR GOLD PLATING	Würth Elektronik, 61304021121	270
15	2	J5,J6	CONN., BNC JACK STR 50 OHM PCB	Amphenol Connex, 112404	540
16	1	P1	CONN., HSMC	SAMTEC, ASP-122952-01	270
17	0	R23	RES., 0603	OPT	0
18	2	R22,R24	RES., 49.9 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW060349R9FKEA	540
19	1	U1	IC, 50Msps DACS, SSOP28	LINEAR TECH., LTC1668CG	270
20	1	U6	IC, LINEAR REGULATOR, DFN14DEMA-4X3	LINEAR TECH., LT3032EDE-5	270
21	0	Y1	OSCILLATOR, HCMOS/TTL CLOCK, Y-CB3LV	OPT	0
22	4	MH1-MH4	STANDOFF, NYLON, SNAP-ON, 0.50"	Würth Elektronik, 702935000	1080
23	2		STENCILS FOR TOP AND BOTTOM SIDES	DC2459A-2	2

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LTC1668CG

Bill Of Materials

Demo Bd. # 2459A2-A

2/22/2016 11:56 AM

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>90</b>
1	1		DC2459A2-GENERAL BOM		1
2	0	C1,C2,C4,C13,C15,C17,C18,C19,C28,C29	CAP., 0603	OPT	0
3	2	C6,C10	CAP., 0.1uF, X7R, 25V,10%, 0603	MURATA, GRM188R71E104KA01D	180
4	1	C8	CAP., 62pF, X7R, 50V,5%, 0603	MURATA, GRM1885C1H620JA01D	90
5	0	J7	CONN., BNC JACK STR 50 OHM PCB	OPT	0
6	0	R1,R3,R5,R6,R8,R11,R14,R16-R19,R21	RES., 0603	OPT	0
7	2	R2,R4	RES., 52.3 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW060352R3FKEA	180
8	2	R7,R15	RES., 499 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603499RFKEA	180
9	2	R9,R13	RES., 200 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW0603200RFKEA	180
10	3	R10,R12,R25	RES., 0 OHM, 1/10W, 1%, 0603	VISHAY, CRCW06030000Z0EA	270
11	1	R20	RES., 2K OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06032K00FKEA	90
12	0	U2,U4	IC, SO8	OPT	0
13	1	U3	IC, SO8	LINEAR TECH., LT1812CS8	90
14	0	U5	IC, MSO8	OPT	0
15	2	SHUNTS FOR JP1 AND JP2 (PINS 1&2) ON -5V AND +5V LOCATIONS	SHUNT, 0.079" CENTER	Würth Elektronik, 60800213421	180

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>90</b>
1	1		DC2459A2-GENERAL BOM		1
2	4	C1,C2,C28,C29	CAP., 0.1uF, X7R, 25V,10%, 0603	MURATA, GRM188R71E104KA01D	360
3	0	C4,C6,C10,C8,C13,C15,C17,C18,C19	CAP., 0603	OPT	0
4	1	J7	CONN., BNC JACK STR 50 OHM PCB	Amphenol Connex, 112404	90
5	2	R1,R3	RES., 1.58K OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06031K58FKEA	180
6	2	R2,R4	RES., 52.3 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW060352R3FKEA	180
7	1	R5	RES., 0 OHM, 1/10W, 1%, 0603	VISHAY, CRCW06030000Z0EA	90
8	1	R6	RES., 1K OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06031K00FKEA	0
9	0	R7-R19,R21,R25	RES., 0603	OPT	90
10	1	R20	RES., 2K OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06032K00FKEA	0
11	1	U2	IC, SO8	LINEAR TECH., LT6600CS8-2.5	0
12	0	U3,U4	IC, SO8	OPT	
13	0	U5	IC, MSO8	OPT	
14	2	SHUNTS FOR JP1 AND JP2 (PINS 1&2) ON -5V AND +5V LOCATIONS	SHUNT, 0.079" CENTER	Würth Elektronik, 60800213421	180

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				<b>NUMBER OF BOARDS =</b>	<b>90</b>
1	1		DC2459A2-GENERAL BOM		1
2	0	C1,C2,C8,C28,C29	CAP., 0603	OPT	90
3	1	C4	CAP., 20pF, X7R, 50V,5%, 0603	MURATA, GRM1885C1H200JA01D	90
4	5	C6,C10,C15,C17,C18	CAP., 0.1uF, X7R, 25V,10%, 0603	MURATA, GRM188R71E104KA01D	0
5	1	C13	CAP., 47pF, X7R, 50V,5%, 0603	MURATA, GRM1885C1H470JA01D	0
6	1	C19	CAP., 10uF, X5R, 25V, 20%, 0603	MURATA, GRM188R61E106MA73D	450
7	0	J7	CONN., BNC JACK STR 50 OHM PCB	OPT	360
8	0	R1-R6,R12,R13,R20	RES., 0603	OPT	270
9	5	R7,R8,R11,R14,R16	RES., 1K OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06031K00FKEA	0
10	4	R9,R10,R17,R18	RES., 24.9 OHMS, 1%, 1/10W, 0603	VISHAY, CRCW060324R9FKEA	180
11	3	R15,R21,R25	RES., 0 OHM, 1/10W, 1%, 0603	VISHAY, CRCW06030000Z0EA	90
12	1	R19	RES., 4.02K OHMS, 1%, 1/10W, 0603	VISHAY, CRCW06034K02FKEA	
13	0	U2	IC, SO8	OPT	180
14	2	U3,U4	IC, SO8	LINEAR TECH., LT1468CS8	0
15	1	U5	IC, MSO8	LINEAR TECH., LTC6655BHMS8-5	0
16	2	SHUNTS FOR JP1 AND JP2 (PINS 2&3)	SHUNT, 0.079" CENTER	Würth Elektronik, 60800213421	180
		ON V- AND V+ LOCATIONS			