

Linear Technology Corporation

LTC4274AIUHF-1 Thru LTC4274AIUHF-2

GENERAL BOM (A,B,C,D)

Bill Of Materials

Demo Bd. 1814A

QTY- 324

5/14/2013

Item	Qty	Reference	Part Description	Manufacturer / Part #	Kit Qty
				NUMBER OF BOARDS =	324
1	1	C1	CAP, 0603 0.1uF 10% 25V X7R	TDK C1608X7R1E104K	324
2	1	C2	CAP, 4.7uF 20% 63V ALUM.	PANASONIC, EEEFK1J4R7R	324
3	1	C5	CAP, 1206 0.22uF 20% 100V X7R	AVX 12061C224MAT	324
4	1	C4	CAP, 1210 1.0uF 10% 100V X7R	AVX, 12101C105KAT	324
5	2	C3,C6	CAP, 1808 1000pF 10% 2KV X7R	TDK C4520X7R3D102K	648
6	4	CT1-CT4	CAP, 0805 0.01uF 5% 100V X7R	AVX 08051C103JAT	1296
7	2	D4,D5	DIODE, RECTIFIER, 100V 1A, SMA	VISHAY S1B-E3/61T	648
8	1	D3	DIODE, TVS 58V 400W SMA	DIODES INC., SMAJ58A-13-F	324
9	1	D2	DIODE, TVS, 64V 600W SMB	DIODES INC., SMBJ64A-13-F	324
10	1	D1	DIODE, ZENER 3.9V SOD-123	ON SEMI MMSZ4686T1G	324
11	1	D23	DIODE, ZENER 5.6V 5% SOT23	FAIRCHILD, BZX84C5V6	324
12	4	E1-E4	TESTPOINT, TURRET, .094" pbf	MILL-MAX, 2501-2-00-80-00-00-07-0	1296
13	4	F7-F10	FUSE, 3A, 63VDC 1206	BEL FUSE C1Q 3	1296
14	2	J3,J4	CONN, JACK, BANANA	KEYSTONE 575-4	648
15	2	J1,J2	CONN, RJ45, SINGLE PORT	STEWART CONN., SS-7188S-A-NF	648
16	1	R10	RES, 0603 1.0 OHMS 5% 1/10W	VISHAY CRCW06031R00JNEA	324
17	4	R6-R9	RES, 0603 10K OHMS 5% 1/10W	YAGEO, RC0603JR-0710KL	1296
18	1	R5	RES, 0603 100K OHMS 5% 1/10W	YAGEO, RC0603JR-07100KL	324
19	8	R1-R4,RT1-RT4	RES, 0603 75 OHMS 5% 1/10W	YAGEO, RC0603JR-0775RL	2592
20	1	R11	RES, THICK FILM 0805 1.0K OHMS 5% 1/4W	PANASONIC, ERJ-P06J102V	324
21	1	RS1	RES, 2512 0.25 OHMS 1% 2W	STACKPOLE, CSRN2512FKR250	324
22	4	MH1-MH4	STAND-OFF, NYLON 0.75"	KEYSTONE, 8834(SNAP ON)	1296
23	2	SW1,SW2	SWITCH, MOMENTARY PUSHBUTTON	WURTH, 434 123 050 816	648
24	1	Q1	XSTR, MOSFET, N-CHANNEL 100V 2.3A POWER-3	FAIRCHILD FDMC86102	324
25	1	Q2	XSTR, PNP, 300V 500MA SOT23 CMPTA92	CENTRAL SEMI CMPTA92	324
26	1	T1	XFMR, POE+ 1.5A	WURTH ELECTRONICS, 749022016	324
			(option)	COILCRAFT ETH1-460L	
27	2		STENCIL Top & Bottom	STENCIL DC1814A-1	2

Linear Technology Corporation

LTC4274AIUHF-1

Bill Of Materials
Demo Bd. 1814A-A

QTY- 62

5/14/2013

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacturer / Part #</i>	<i>Kit Qty</i>
				NUMBER OF BOARDS =	62
1	1	DC1814A-1	GENERAL BOM		1
2	4	FB1-FB4	FERRITE BEAD, 1K, 0805	TDK MPZ2012S102A	248
3	1	U1	IC, LTC4274A-1, SINGLE PORT 38.7W PSE CONTROLLE	LINEAR LTC4274AIUHF-1	62
4	1		FAB, PRINTED CIRCUIT BOARD	DEMO CIRCUIT 1814A	62

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacturer / Part #</i>	<i>Kit Qty</i>
				NUMBER OF BOARDS =	62
1	1	DC1814A-1	GENERAL BOM		1
2	4	FB1-FB4	FERRITE BEAD, 1K, 0805	TDK MPZ2012S102A	248
3	1	U1	IC, LTC4274A-2, SINGLE PORT 52.7W PSE CONTROLLE	LINEAR LTC4274AIUHF-2	62
4	1		FAB, PRINTED CIRCUIT BOARD	DEMO CIRCUIT 1814A	62

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacturer / Part #</i>	<i>Kit Qty</i>
				NUMBER OF BOARDS =	100
1	1	DC1814A1	GENERAL BOM		1
2	4	FB1-FB4	FERRITE BEAD, 1K, 0805	TDK MPZ2012S102A	400
3	1	U1	IC, LTC4274A-3, SINGLE PORT 70W PSE CONTROLLER	LINEAR LTC4274AIUHF-3	100
4	1		FAB, PRINTED CIRCUIT BOARD	DEMO CIRCUIT 1814A	100

<i>Item</i>	<i>Qty</i>	<i>Reference</i>	<i>Part Description</i>	<i>Manufacturer / Part #</i>	<i>Kit Qty</i>
				NUMBER OF BOARDS =	100
1	1	DC1814A1	GENERAL BOM		1
2	4	FB1-FB4	FERRITE BEAD, 1300 OHM, 1812	TAIYO YUDEN FBMH4532HM132-T	400
3	1	U1	IC, LTC4274A-4, SINGLE PORT 90W PSE CONTROLLER	LINEAR LTC4274AIUHF-4	100
4	1		FAB, PRINTED CIRCUIT BOARD	DEMO CIRCUIT 1814A	100