

Design Resources

Bill of Materials

Date : 6/11/2012

COMPANY: ANALOG DEVICES

AD9744 LFCSP

REV: B

ITEM	QTY/ ASY	REFERENCE DESIGNATORS	DESCRIPTION	PKG	MFR	MFR PART NO	DISTRIBUTOR	DISTRIBUTOR PART NUMBER	RoHS CMLPT	COMMENTS
1	3	C2,C4,C5	CAP TANT 10UF 6.3V 10% 1206	1206	AVX	TAJA106K006R	DIGIKEY	478-1653-1-ND	YES	
2	12	C3,C6,C7,C8,C9,C10, C11,C17,C19,C32,C34,C35	CAP CER 0.1UF 50V 10% X7R 0603	0603	TDK	C1608X7R1H104K	DIGIKEY	445-1314-1-ND	YES	
3	2	C12,C13	DNP			DNP				
4	1	C20	CAP TANT 10UF 16V 10% 1206	1206	AVX	TAJA106K016R	DIGIKEY	478-1655-1-ND	YES	
5	1	J1	40 PIN UP HEADER MALE		MOLEX	10-89-7402	MOUSER	538-10-89-7402	YES	
6	1	JP1	2 PIN JUMPER HEADER		MOLEX	22-10-2021	MOUSER	538-22-10-2021	YES	
6A	1	@JP1	SHUNT		T.E.CONNECTIVITY	382811-6	MOUSER	571-382811-6	YES	
7	2	JP2,JP3	SOLDER JUMPER	SLD02						SHORTED
7A	0	JP8,JP9	SOLDER JUMPER	SLD02						OPEN
8	3	L1,L2, L3	BEAD CORE 4A 100 MHZ 0805 SMD	0805	PANASONIC	EXC-ML20A390U	DIGIKEY	P10191CT-ND	YES	
9	1	R1	RES 2.0K OHM .1% 25PPM 1/4W	THRU	Vishay Dale	CMF502K0000BEEB	DIGIKEY	CMF2.0KQBCT-ND	YES	
10	2	R2,R5	RES 120 OHM 1/10W 1% 0603 SMD	0603	PANASONIC	ERJ-3EKF1200V	DIGIKEY	P120HCT-ND	YES	
11	14	R3,R4,R15,R16,R17,R18,R19, R20,R21,R24,R25,R26,R27,R28	RES 100 OHM 1/10W 1% 0603 SMD	0603	PANASONIC	ERJ-3EKF1000V	DIGIKEY	P100HCT-ND	YES	
12	3	R6,R10, R11	RES 49.9 OHM 1/10W 1% 0603 SMD	0603	YAGEO	RC0603FR-0749R9L	DIGIKEY	311-49.9HRCT-ND	YES	
13	2	R29,R30	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	YAGEO	RC0603FR-0710KL	DIGIKEY	311-10.0KHRCT-ND	YES	
14	2	RP3,RP4	RES 22 OHM 1/16W 5% RES ARRAY		CTS	742C163220JP	DIGIKEY	742C163220JPCT-ND	YES	
15	2	S3,S5	SMA CONNECTOR RF 5 PIN UPRIGHT		JOHNSON	142-0701-201	MOUSER	530-142-0701-201	YES	
16	1	T1	DIP TRANSFORMER T1-1T IN CUPS		MINICIRCUITS	T1-1T-X65+			YES	
16A	1	@T1	IC SOCKET .300 6 DIP GOLD		Assmann	AR06-HZL/01-TT-R	DIGIKEY	AE10021-ND	YES	
17	3	TB1,TB3,TB4	PIN STRIP HEADER, PCB, 2 CONTACT		WEILAND	Z5.530.0225.0	NEWARK	50F3563	YES	
17A	3	@TB1,TB3,TB4	TERMINAL BLOCK PLUGGABLE, 2POS, 22-12AWG		WEILAND	25.602.2253.0	NEWARK	95F5996	YES	
18	4	TP1,TP3,TP7,TP11	TEST POINT PC MINI .040"D WHITE		KEYSTONE	5002	MOUSER	534-5002	YES	
19	3	TP2,TP4,TP6	TEST POINT PC MINI .040"D ORANGE		KEYSTONE	5003	MOUSER	534-5003	YES	
20	3	TP5,TP12,TP13	TEST POINT PC MINI .040"D BLACK		KEYSTONE	5001	MOUSER	534-5001	YES	
21	1	U1	32 PIN 5X5 LFCSP		ADI	AD9744LFCSPZ			YES	
22	1	U4	IC XLATOR DL TTL/CMOS-PECL 8SOIC		ON Semi	MC100EPT22DG	MOUSER	863-MC100EPT22DG	YES	