

Bill of Materials

Date : 8/1/2012

COMPANY: ANALOG DEVICES

AD9139-EBZ

REV: A

ITEM	QTY/ASY	REFERENCE DESIGNATORS	DESCRIPTION	PKG	MFR	MFR PART NO	DISTRIBUTOR	DISTRIBUTOR PART NUMBER	RoHS CMLPT	COMMENTS
1	0	THIS LINE BLANK								
2	4	A1,U6,U7,U9			ADI	ADP3338AKC-1-8				
3	9	C6,C87,C104,C122,C137,C142,C143,C149,C150	CAP 1000PF 25V CERAMIC 0402 SMD	0402	Murata Electronics	GRM155R71H102KA01D	DIGIKEY	490-1303-1-ND	YES	
4	30	C7,C9,C9,C10,C11,C12,C13,C14,C15,C16,C17,C20,C21,C28,C31,C39,C42,C43,C45,C47,C68,C77,C78,C85,C115,C117,C121,C140,C141,C148	CAP CER .1UF 16V X7R 0402	0402	MURATA	GRM155R71C104KA88D	DIGIKEY	490-3261-1-ND	YES	
5	1	C95	CAP CER 1PF 100V NPO 0603	0603	AVX	06031A1R0BAT2A	DIGIKEY	478-3677-1-ND	YES	
6	2	C49,C96	CAP CER 1.2PF 50V NPO 0603	0603	TDK	C1608C0G1H1R2C	DIGIKEY	445-5011-1-ND	YES	
7	14	C41,C51,C52,C63,C64,C65,C66,C73,C92,XC4,C102,C110,C146,C147	CAP TANTALUM 10UF 10V 10% SMD	3216-18 A-CASE	AVX Corporation	TAJ1A106K010R	MOUSER	581-TAJA106K010	YES	
8	18	C18,C19,C29,C37,C58,C59,C60,C61,C62,C66,C67,C69,XC5,XC6,XC7,XC8,C103,C107	CAP CER 0.10UF 25V X8R 10% 0603	0603	TDK Corporation	C1608X8R1E104K	DIGIKEY	445-2500-1-ND	YES	
9	12	C24,C27,C30,C33,C34,C35,C36,C37,C38,C63,C105,C111	CAP CER 1.0UF 16V 10% X5R 0603	0603	Murata Electronics	GRM188R61C105KA88D	DIGIKEY	490-1536-1-ND	YES	
10	14	C72,C84,C89,C90,C106,C120,C123,C139,C144,C145,C152,C153,C154,C199	CAP CER 100PF 50V 5% COG 0402	0402	Murata Electronics	GRM1555C1H101JZ01D	DIGIKEY	490-3458-1-ND	YES	
11	1	C114	CAP TANTALUM 4.7UF 20V 10% SMD	3216-18 A-CASE	AVX	TAJ1A475K020R	DIGIKEY	478-1668-1-ND	YES	
12	0	C124,C125		DNI	TDK	C1608X8R1E104K				
13	6	C32,C44,C46,C83,C181,C182	CAP CER 0.01UF 25V X8R 10% 0402	0402	TDK	C1005X8R1E103K	DIGIKEY	445-2494-1-ND	YES	
14	0	C93,C133		DNI	MURATA	GRM1555C1H101JD01D				
15	1	C2	CAP CER 1200PF 50V COG 5% 0603	0603	TDK	C1608C0G1H122J	DIGIKEY	445-1294-1-ND	YES	
16	1	C23	CAP CER 1.6PF 50V NPO 0603	0603	MURATA	GRM1885C1H1R6CZ01D	DIGIKEY	490-1377-1-ND	YES	
17	2	C25,C70	CAP 10000PF 50V CERAM X7R 0603	0603	Murata Panasonic-EGG	GRM188R71H103KA01D ECU-V1H103KBY	DIGIKEY	490-1512-1-ND	YES	
18	1	C26	CAP .22UF 25V CERAMIC X7R 0805	0805	Murata Panasonic-EGG	GRM219R71E224KA01D ECJ-2YB1E224K	DIGIKEY	490-1675-1-ND	YES	
19	1	C3	CAP CER 3900PF 50V 10% X7R 0603	0603	MURATA YAGEO	GRM188R71H292KA01D CC0603KRX7R7BB993	DIGIKEY	490-1504-1-ND	YES	
20	1	C4	CAP CER 2700PF 50V 10% X7R 0603	0603	MURATA PANASONIC	GRM188R71H272KA01D ECJ-1VB1H272K	DIGIKEY	490-1502-1-ND	YES	
21	1	C50	CAP TANTALUM 100UF 6.3V 10% SMD	3528-21 CASE	AVX Corporation	TAJ1B107K006R	DIGIKEY	478-1677-1-ND	YES	
22	4	C79,C82,XC1,XC2	CAP CER 10PF 50V 5% NPO 0603	0603	MURATA	GRM1885C1H100UA01D	DIGIKEY	490-1403-1-ND	YES	
23	0	C69,C76		DNI	TDK	C1005X8R1E103K				
24	3	CR1-CR3	LED 570NM GREEN WTR CLR 0603 SMD	0603	ROHM	SML-310MTT86	MOUSER	755-SML-310MTT86	YES	
25	1	CR4	DIODE SCHOTTKY GP LN 20V SOT-323	0603	SUSUMU OSRAM Opto Semiconductors Inc	HSMS-281C-BLKG	DIGIKEY	516-1921-ND	YES	
26	2	CR5,CR6	LED SMARTLED GREEN 570NM 0603	0603		LG L29K-G2J1-24-Z	DIGIKEY	475-2708-1-ND	YES	

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27	6	E1E6	FERRITE BEAD CORE 4.5X3.2X1.8 SMD		Panasonic-ECG	EXC-CL4532U1	DIGIKEY	P9812CT-ND	YES	
28	6	J1-J5,J14	CONN RECEPT STRAIGHT PCB .155" G		JOHNSON	142-0701-201	MOUSER	530-142-0701-201	YES	
29	0	J6,J9	RF Connectors PC END MT JACK GLD .062 BOARDS TAB		JOHNSON	142-0701-851	MOUSER	530-142-0701-851	YES	
30	6	JP2,JP3,JP8,JP9,JP11,JP12	CONN HEADER 2POS .100 VERT GOLD		Molex/Walidom BERG	22-10-2021 69157-102	MOUSER	538-22-10-2021	YES	
30A	6	JP2,JP3,JP8,JP9,JP11,JP12	SHUNT_ECON_PHR8 15 AU BLACK		Tyco Electronics Amp	382811-6	MOUSER	571-382811-6	YES	
31	4	L5,L6,L10,L11	22H RF Inductor, ceramic core, 2% tol, SMT, RoHS		COILCRAFT VISHAY	0603CS-22NXGLU IMC0603ER22NG01			YES	SUB APPROVED YI.ZHANG 2/6/12
32	2	P1,P2	Z-Pack Connectors REC 4X010P R/A B-PLANE HWZD		Tyco Electronics / AMP	6469028-1	MOUSER	571-6469028-1	YES	
33	1	P5	4mm Connectors SINGLE PCB SOCK RED		Deltron	571-0500	MOUSER	164-6219	YES	
34	1	P6	4mm Connectors SINGLE PCB SOCK BLK		Deltron	571-0100	MOUSER	164-6218	YES	
35	1	R1	RES 226 OHM 1/10W 1% 0603 SMD	0603	PANASONIC	ERJ-3EKF2260V	DIGIKEY	P226HCT-ND	YES	
36	3	R10,R13,R14	RES 53.6 OHM 1/10W 1% 0603 SMD	0603	PANASONIC	ERJ-3EKF53R6V	DIGIKEY	P53.6HCT-ND	YES	
37	1	R11	RES 4.12K OHM 1/10W 1% 0603 SMD RES 4.12K OHM 1/16W 1% 0603 SMD	0603	SUSUMU	RG1608P-4121-B-T5 RR0816P-4121-B-T5-60H	DIGIKEY	RG16P4_12KBCT-ND	YES	
38	1	R12	RES 5.1K OHM 1/16W 1% 0402 SMD	0402	PANASONIC	ERA-2AE512X	DIGIKEY	P5.1KDCCT-ND	YES	
39	1	R15	RES 165 OHM 1/10W 1% 0402 SMD RES ANTI-SULFUR 165 OHM 1% 0402	0402	Panasonic - ECG	ERJ-2RKF1650X ERJ-S02F1650X	DIGIKEY	P165LCT-ND	YES	
40	2	R16,R39	RES 1.00K OHM 1/10W 1% 0603 SMD	0603	Panasonic - ECG	ERJ-3EKF1001V	DIGIKEY	P1.00KHCT-ND	YES	
41	1	R17	RES 100 OHM 1/16W 0.1% 0402 SMD	0402	Susumu Co Ltd	RG100SP-101-B-T5	DIGIKEY	RG10P100BCT-ND	YES	
42	3	R4,R9,R19	RES 49.9 OHM 1/16W 0.1% 0402 SMD	0402	Susumu Co Ltd	RG100SP-49R9-B-T5	DIGIKEY	RG10P49.9BCT-ND	YES	
43	1	R2	RES 113 OHM 1/10W 1% 0603 SMD	0603	Panasonic-ECG	ERJ-3EKF1130V	DIGIKEY	P113HCT-ND	YES	
44	5	R22,R24,R30,R31,R38	RES 100 OHM 1/16W 1% 0402 SMD	0402	Rohm VENKEL	MCR01MZPF1000 CR0402-16W-1000FPT	DIGIKEY	P100LCT-ND	YES	
45	1	R21	RES 10K OHM 1/10W 1% 0805 SMD	0805	Panasonic - ECG	ERA-6YEB103V	DIGIKEY	P10KZCT-ND	YES	
46	1	R3	RES ZERO OHM 1/10W 5% 0603 SMD	0603	PANASONIC	ERJ-3GEY0R00V	DIGIKEY	RHM0.0GCT-ND P.0.0GCT-ND	YES	
47	1	R26	RES ZERO OHM 1/10W 5% 0402 SMD	0402	Panasonic-ECG	ERJ-2GEOR00X	DIGIKEY	P.0.0JCT-ND	YES	
48	2	R27,R28	RES 200 OHM 1/16W 1% 0402 SMD	0402	Panasonic - ECG	ERJ-2RF2000X	DIGIKEY	P200LCT-ND	YES	
49	4	R6,R32,R33,R37	RES 49.9 OHM 1/16W 1% 0402 SMD	0402	Panasonic - ECG	ERJ-2RKF49R9X	DIGIKEY	P49.9LCT-ND	YES	
50	4	R34,XR1,XR2,XR5	RES 10.0K OHM 1/10W 1% 0603 SMD	0603	Panasonic - ECG	ERJ-3EKF1002V	DIGIKEY	P10.0KHCT-ND	YES	
51	0	R35,R36		DNI	PANASONIC	ERJ-2RKF2000X				
52	1	R8	RES 137 OHM 1/10W 1% 0402 SMD	0402	Panasonic-ECG	ERJ-2RKF1370X	DIGIKEY	P137LCT-ND	YES	
53	2	S1,S2	SWITCH TACT 6MM SMD MOM 160GF		OMRON	B3S1000	MOUSER	653-B3S-1000	YES	
54	2	T2,T5	TC XFMR / SURF MOUNT / RoHS		Minicircuits	TC1-1-13M+			YES	
55	1	T4	TC XFMR / SURF MOUNT / RoHS		Minicircuits	TC1-1-13M+			YES	
56	1	T7			Minicircuits	ADT2-TT-1P+			YES	
57	12	TP1,TP3,TP7,TP9,TP11,TP17,TP20,TP22,TP24,TP26,TP28,TP30	TEST POINT PC COMPACT .063"D RED		Keystone COMP CORP	5005 TP-104-01-02	MOUSER	534-5005	YES	

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58	12	TP2,TP4,TP6,TP8,TP10,TP12,TP21,TP23,TP25,TP27,TP29,TP31	TEST POINT PC COMPACT .063"D BLK		Keystone COMP CORP	5006 TP-104-01-00	MOUSER	534-5006	YES	
59	3	TP13,TP14,TP15	TEST POINT PC COMPACT .063"D YLW		Keystone COMP CORP	5009 TP-104-01-04	MOUSER	534-5009	YES	
60	2	TP5,TP16	TEST POINT PC COMPACT .063"D WHT		Keystone Electronics	5007 TP-104-01-09	MOUSER	534-5007	YES	
61	1	U1			ADI	AD9516-1BCPZ				
62	2	U10,U11			ADI	ADP3338AKCZ-3.3				
63	1	U15	IC BUFFER TRPL NON-INV 8VSSOP	8VSSOP	TEXAS INSTRUMENT S	SN74LVCG34DCUR	DIGIKEY	296-13286-1-ND	YES	
64	1	U2	IC LINE RVR LVDS SINGL DIF 8SOIC	8-SOIC	National Semiconductor	DS90LV018ATM/NOPB	DIGIKEY	DS90LV018ATM-ND	YES	
65	1	U3	IC BUFFER/XLATOR 1:4 LVDS 16MLF	16MLF	Micrel Inc	SY89833LMG	DIGIKEY	576-1433-ND	YES	
66	0	U4			ADI	ADL5375-05ACPZ-R7				
67	1	U5			ADI	ADCLK914BCPZ				
68	1	X1	DUT		ADI	AD9132/42				
69	1	XC3	CAP CER 470PF 50V C0G 5% 0603	0603	TDK Corporation	C1608C0G1H471J	DIGIKEY	445-1289-1-ND	YES	
70	1	XD1	LED 3X2.5MM GRN WTR CLR CERM SMD LED 1.5V BLUE WTR CLR 1210 SMD	1210	Lumex Opto	CCL-CRS10G SML-DSP1210USBC-TR	DIGIKEY	67-1343-1-ND	YES	
71	1	XP1			SAMTEC	TSW-106-08-G-S			YES	
72	1	XP2			SAMTEC	MUSB-05-F-AB-SM-A			YES	
73	1	XR3	RES 1.00M OHM 1/10W 1% 0603 SMD	0603	Panasonic-ECG	ERJ-3EKF1004V	DIGIKEY	P1.00MHCT-ND	YES	
74	1	XR4	RES 150 OHM 1/4W 1% 1206 SMD	1206	Panasonic - ECG	ERJ-8ENF1500V	DIGIKEY	P150FCT-ND	YES	
75	2	XU1,XU3			ADI	ADG3304BRUZ				
76	1	XU2	IC PIC MCU FLASH 16KX16 44QFN	44QFN	Microchip Technology	PIC18F4550-I/MIL	DIGIKEY	PIC18F4550-I/MIL-ND	YES	
77	1	XY1	CRYSTAL 20.0000MHZ 10PF SMD		Abracon Corporation	ABM3B-20.000MHZ-10-1-U-T	DIGIKEY	300-8214-1-ND	YES	