

AD9551/PCBZ REV. D EVALUATION BOARD RoHS BILL OF MATERIALS

BOM REV:		D															
BOM DATE:		12 JAN 09															
#	INSTALL?	ADI SUPPLIED?	QTY	REFDES	DEVICE	PACKAGE	VALUE	MIN. TOL	MFR	MFR P/N	COMMENTS						
1	Yes	No	4	C1,C2,C3,C4	CAP0201	0201_EIMICRO	0.47uF, 4V, X5R	20%	Taiyo Yuden	AMK063BJ474MP-F	No Substitution (Suggest Digi-Key #587-2147-1-ND)						
2	Yes	No	24	C5,C6,C9,C10,C16,C17,C18,C19,C20,C21,C22,C23,C24,C25,C26,C30,C31,C34,C35,C37,C57,C58,C59,C60	CAP0402	0402_EIMICRO	0.1uF, 16V, X7R	10%	Murata	GRM155R71C104KA88D	Mfr. Substitution OK						
3	Yes	No	2	C7,C8	CAP0201	0201_EIMICRO	0.1uF, 6.3V, X5R	10%	Taiyo Yuden	JMK063BJ104KP-F	No Substitution (Suggest Digi-Key #587-1183-1-ND)						
4	No	No	6	C11,C12,C13,C14,C55,C56	CAP0402	0402_EIMICRO	OPT				DO NOT INSTALL						
5	Yes	No	1	C15	CAP0402	0402_EIMICRO	12nF, 10V, X7R	10%	Kemet	C0402C123K8RACTU	No Substitution (Suggest Digi-Key #399-4876-1-ND)						
6	Yes	No	3	C32,C36,C38	CAP0402	0402_EIMICRO	1nF, 25V, X7R	10%	Panasonic-ECG	ECJ-0EB1E102K	Mfr. Substitution OK						
7	Yes	No	1	C33	CAP0402	0402_EIMICRO	10nF, 16V, X7R	10%	Panasonic-ECG	ECJ-0EB1C103K	Mfr. Substitution OK						
8	Yes	No	1	C39	CAP1206	1206_EIMICRO	4700pF, 50V, C0G	5%	Murata	GRM3195C1H472JA01D	Mfr. Substitution OK						
9	Yes	No	5	C40,C41,C42,C43,C44	TAJD	TAJD_EIMICRO	10uF, 35V, TAJD	10%	AVX	TAJD106K035R	Mfr. Substitution OK						
10	Yes	No	1	C45	CAP0603	0603_EIMICRO	10uF, 6.3V, X5R	20%	Panasonic-ECG	GRM188R60J106ME47D	Mfr. Substitution OK						
11	Yes	No	1	C46	CAP0603	0603_EIMICRO	1uF, 10V, X5R	10%	Panasonic-ECG	ECJ-BVB1A105K	Mfr. Substitution OK						
12	Yes	No	1	C47	CAP0805	0805_EIMICRO	2.2uF, 16V, X5R	10%	Panasonic-ECG	ECJ-2FB1C225K	Mfr. Substitution OK						
13	Yes	No	2	C48,C49	CAP0805	0805_EIMICRO	12pF, 50V, C0G	5%	Murata	GQM2195C2A120JB01D	Mfr. Substitution OK						
14	Yes	No	4	C50,C51,C53,C54	CAP_TAJA	TAJA_EIMICRO	4.7uF, 10V, TAJA	10%	AVX	TAJA475K010R							
15	Yes	No	1	C52	CAP_TAJD	TAJD_EIMICRO	47uF, 16V, TAJD	10%	AVX	TAJD476K016R							
16	Yes	No	1	CR1	GPDIODE	S1AB(SMB)	50V, 1A	N/A	Discrete Semiconductor Products	S1AB-13-F	Mfr. Substitution OK						
17	Yes	No	3	CR2,CR3,CR5	LED	1206_EIMICRO	GREEN	N/A	Lumex Opto	SML-LX1206GW-TR							
18	Yes	No	1	CR4	LED	1206_EIMICRO	RED	N/A	Lumex Opto	SML-LX1206IW-TR							
19	Yes	No	2	F1,F2	FERRITE	0805_EIMICRO	600 Ohm, 0.5A	N/A	Steward	HZ0805E601R-10							
20	Yes	No	8	J1,J2,J3,J4,J5,J6,J7,J8	SMA	THRU SMA		N/A	Johnson Components	142-0701-231							
21	Yes	No	1	J30	USB_HDR	USB_TYPE_B		N/A	Assman Electronics	AU-Y1007-R							
22	Yes	No	1	JMP1	2PINJUMP	SIP-2P		N/A	Samtec	TSW-102-07-S-S							
23	Yes	No	1	JMP3	JUMP3PIN	SIP-3P		N/A	Samtec	TSW-103-07-S-S							
24	Yes	No	1	P1	40PINHEADER	HEADER40	Double Row	N/A	Samtec	TSW-120-07-S-D							
25	Yes	No	1	P2	10PINHEADER	HEADER10	Double Row	N/A	Samtec	TSW-105-07-S-D							
26	Yes	No	14	R1,R2,R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13,R51	0805RES	0805_EIMICRO	1.0K, 1/8W	5%	Panasonic-ECG	ERJ-6GEYJ102V	Mfr. Substitution OK						
27	Yes	No	3	R14,R15,R16	RES_SM	1206_EIMICRO	300, 1/4W	5%	Panasonic-ECG	ERJ-8GEYJ301V	Mfr. Substitution OK						
28	Yes	No	1	R17	RES_SM	1206_EIMICRO	1M, 1/4W	1%	Panasonic-ECG	ERJ-8ENF1004V	Mfr. Substitution OK						
29	Yes	No	1	R18	RES_SM	1206_EIMICRO	806, 1/4W	1%	Panasonic-ECG	ERJ-8ENF8060V	Mfr. Substitution OK						
30	Yes	No	2	R19,R20	RES_SM	0603_EIMICRO	100K, 1/10W	5%	Panasonic-ECG	ERJ-3GEYJ104V	Mfr. Substitution OK						
31	Yes	No	2	R21,R22	RES_SM	0603_EIMICRO	2.2K, 1/10W	5%	Panasonic-ECG	ERJ-3GEYJ222V	Mfr. Substitution OK						
32	Yes	No	1	R23	RES_SM	0402_EIMICRO	10K, 1/16W	1%	Panasonic-ECG	ERJ-2RKF1002X	Mfr. Substitution OK						
33	Yes	No	2	R24,R26	RES_SM	0603_EIMICRO	140K, 1/10W	1%	Panasonic-ECG	ERJ-3EKF1403V	Mfr. Substitution OK						
34	Yes	No	2	R25,R27	RES_SM	0603_EIMICRO	78.7K, 1/10W	1%	Panasonic-ECG	ERJ-3EKF7872V	Mfr. Substitution OK						
35	Yes	No	15	R28,R29,R30,R31,R32,R33,R34,R35,R36,R37,R38,R52,R53,R54,R55	RES_SM	1206_EIMICRO	0, 1/4 W	5%	Panasonic-ECG	ERJ-8GEY0R00V	Mfr. Substitution OK						
36	Yes	No	4	R39,R40,R46,R50	RES_SM	0402_EIMICRO	24.9, 1/16W	1%	Panasonic-ECG	ERJ-2RKF24R9X	Mfr. Substitution OK						
37	No	No	8	R41,R42,R43,R47,R48,R49,R61,R65	RES_SM	0402_EIMICRO	OPT				DO NOT INSTALL						
38	Yes	No	2	R44,R45	RES_SM	0402_EIMICRO	100, 1/16W	5%	Panasonic-ECG	ERJ-2GEJ101X	Mfr. Substitution OK						
39	Yes	No	4	R62,R63,R64,R66	RES_SM	0402_EIMICRO	0, 1/16W	5%	Panasonic-ECG	ERJ-2GEOR00X	Mfr. Substitution OK						
40	Yes	No	4	S1,S2,S3,S4	DIPSW	DIP8		N/A	Grayhill	76SB04ST	Match "OPEN" side to PCB Silkscreen (Upside Down)						
41	Yes	No	2	T1,T2	ETC1_1_13	SM22	1:1, 4.5-3000MHz	N/A	Tyco/M/A-COM	MABA-007159-000000	Replacement for Non-RoHS ETC1-1-13 Xfmr						
42	Yes	No	1	TB1	6_POS	TB6A	Gray	N/A	Wieland	Terminal Strip: Z5.530.0625.0 and Plug: 25.602.2653.0	(2 Items) Install terminal block onto pin header						
43	No	No	1	TB2	TB2	TB2					DO NOT INSTALL						
44	Yes	Yes	1	U1 (DUT)	AD9551	6X6 MM LFCSP		N/A	Analog Devices	AD9551	Supplied by ADI						
45	Yes	No	1	U2	CY7C68013A_128	128TQFP_EIMICRO		N/A	Cypress	CY7C68013A-128AXC							
46	Yes	No	1	U3	24LC00	DIP8		N/A	MicroChip Tech	24LC00-I/PW							
47	Yes	No	1	U4	74LVC541A	TSSOP20		N/A	Texas Instruments	SN74LVC541APW							
48	Yes	No	1	U5	74LVC14A	TSSOP14		N/A	Texas Instruments	SN74LVC14APW							
49	Yes	Yes	2	VR1,VR2	ADP3334ACP	ADP3334ACP_EIMICRO		N/A	Analog Devices	ADP3334ACPZ	Supplied by ADI						
50	Yes	No	1	X1	FX425B_XTAL	3.2X2.5MM_SMD	26MHz, 10pF Load	20 ppm	NDK	NX3225SA-26.000000MHZ-G2	Suggest Digi-Key P/N 644-1109-1-ND						
51	Yes	No	1	X2	XTAL	HC49SD	24MHz	N/A	Fox (Alternate: ECS)	HC49SD_24MHZ (Alternate: ECS-240-12-5PX-TR)	Mfr. Substitution OK						
52	Yes	No	4	BUMPER FEET	BLACK	0.50 in. Sq. x 0.23 in. Thick		N/A	3M	SJ-5518	BUMPER FEET -- Install in squares on 4 board corners						
53	Yes	No	7	2 POS. SHUNTING JUMPERS	BLACK	0.100 in.		N/A	Samtec	SNT-100-BK-G	Install on JMP1, on "PC" side of JMP3, and on each Horizontal Pair of P2 (5 Places)						