

AD9518-0A/PCBZ Eval Rev B RoHS 2011-05-11											
#	QTY	REFDES	DESCRIPTION	SIZE	VALUE	VOLT	MFG	MFG PART NUMBER	TOL	VENDOR/DIST	VENDOR PART NUMBER
1	4	C1, C2, C7, C8	CAP CER X5R SMD 0508	0508	0.01 UF	50V	Panasonic	ECY-29RH103KV	10	Digi-Key	PCC2187CT-ND
2	38	C3, C4, C5, C6, C14, C26, C27, C28, C29, C33, C34, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C53, C56, C58, C59, C60, C64, C65, C66, C67, C68, C69, C70, C73, C75, C80, C81, C88	CAP CER SMD 0402	0402	0.1 UF	16V	Murata	GRM155R71C104KA88D	10	Digi-Key	490-3261-1-ND
3	4	C9, C10, C11, C13	CAP CER C0G SMD 0805	0805	1000 PF	50V	Murata	GRM2165C1H102JA01D	5	Digi-Key	490-1622-1-ND
4	1	C12	CAP CER SMD0402	0402	0.22 UF	16V	Murata	GRM155F51C224ZA01D	20	Digi-Key	490-3273-1-ND
5	1	C15	CAP CER SMD 0805	0805	1 UF	25V	Murata	GRM216R61E105KA12D	10	Digi-Key	490-1700-1-ND
6	1	C16			_F DO NOT INSERT						
7	4	C17, C21, C23, C24	CAP TANT CHIP	3216	4.7 UF	16V	KEMET	T491A475M016AT	20	Digi-Key	399-3699-1-ND
8	1	C18	CAP CER SMD 1206	1206	4700 PF	50V	Murata	GRM3195C1H472A01D	5	Digi-Key	490-3357-1-ND
9	1	C19	CAP CER X5R SMD 0805	0805	2.2 UF	25V	Murata	GRM21BR61E225KA12L	10	Digi-Key	490-3334-1-ND
10	1	C20	CAP CER X5R SMD 0805	0805	10 UF	10V	Murata	GRM21BR61A106KE19L	10	Digi-Key	490-1709-1-ND
11	1	C22	CAP CER X7R SMD 0603	0603	8200 PF	50V	Murata	GRM188R71H822KA01D	10	Digi-Key	490-1510-1-ND
12	1	C25	CAP CER C0G SMD 0603	0603	470 PF	100V	Murata	GRM1885C2A471JA01D	5	Digi-Key	490-1367-1-ND
13	1	C30		0603	_F LOOP FILTER DO NOT INSERT						
14	1	C31	CAP CER C0G SMD 0603	0603	150 PF	100V	Murata	GRM1885C2A151JA01D	5	Digi-Key	490-1355-1-ND
15	4	C32, C47, C52, C54	CAP TANT CHIP	6032	10 UF	20V	AVX	TAJC106K020R	10	Digi-Key	478-1699-1-ND
16	1	C35	CAP CER SMD 0402	0402	1000 PF	50V	Murata	GRM155R71H102KA01D	10	Digi-Key	490-1303-1-ND
17	1	C36	CAP CER X7R SMD 0402	0402	0.01 UF	25V	Murata	GRM155R71E103KA01D	10	Digi-Key	490-1312-1-ND
18	1	C48	CAP TANT CHIP	7343	47 UF	10V	AVX	TAJD476K010R	10	Digi-Key	478-3048-1-ND
19	4	C49, C50, C51, C55	CAP CER X7R SMD 1206	1206	0.1 UF	50V	Murata	GRM319R71H104KA01D	10	Digi-Key	490-1775-1-ND
20	4	C57, C61, C62, C63	CAP TANT CHIP	3528	10 UF	10V	AVX	TAJB106K010R	10	Digi-Key	478-1672-1-ND
21	4	C71, C72, C74, C76	CAP CER X7R SMD 0805	0805	0.1 UF	50V	Murata	GRM21BR71H104KA01L	10	Digi-Key	490-1666-1-ND
22	2	C108, C109	CAP CER NPO SMD 0805	0805	12 PF	50V	Yageo	CC0805JRNPO9BN120	5	Digi-Key	311-1100-1-ND
23	2	CR1, CR9	LED ORANGE SURFACE MOUNT	1206	ORANGE		Panasonic	LNJ811R8DRA		Digi-Key	P11526TR-ND
24	1	CR2	LED SOFT ORANGE SURFACE MOUNT	1206	SOFT ORANGE		Panasonic	LNJ811K8SRA		Digi-Key	P11527TR-ND
25	1	CR3	LED PURE GREEN SURFACE MOUNT	1206	PURE GREEN		Panasonic	LNJ311G8PRA		Digi-Key	P11531TR-ND
26	1	CR4	DIODE RECTIFIER GPP SMD	DO214AA	S1AB-13-F	50V	Discrete Semiconductor Products	S1AB-13-F		Digi-Key	S1AB-FDICT-ND
27	2	CR5, CR10	LED AMBER SURFACE MOUNT	1206	AMBER		Panasonic	LNJ411K8YRA		Digi-Key	P11528TR-ND
28	2	CR6, CR8	LED YELLOW GREEN SURFACE MOUNT	1206	YELLOW GREEN		Panasonic	LNJ311G8TRA		Digi-Key	P11529TR-ND
29	1	CR7	LED SM RED	1206	RED		Panasonic	LNJ211R8ARA		Digi-Key	P11141TR-ND
30	1	DUT	AD9518-0ABCPZ				ADI	AD9518-0BCPZ		ADI	AD9518-0BCPZ

31	8	F1, F2, F3, F4, F5, F6, F7, F8	FERRITE BEAD	0805	600 OHM, .5A		STEWARD	HZ0805E601R-10		Digi-Key	240-2399-1-ND
32	12	J0A, J0B, J1A, J1B, J2A, J2B, J3A, J3B, J4A, J4B, J5A, J5B	CONN-PCB COAX SMA END LAUNCH	CNJOHNSON142-0701-801	JOHNSON142-0701-801		JOHNSON	142-0701-801		Digi-Key	J502-ND
33	4	J10, J11, J12, J13	CONN-PCB COAX SMA ST	CNJOHNSON142-0701-201	JOHNSON142-0701-201		JOHNSON	142-0701-201		Digi-Key	J500-ND
34	1	J14	USB_TYPE_B	USB_TYPE_B	Assman Electronics		Assmann Electronics	AU-Y1007-R		Digi-Key	AE9925-ND
35	1	P1	CONN-PCB DUAL HDR ST 26P MALE	HEADER26	26 PIN HEADER		MOLEX	90131-0773		Digi-Key	WM8149-ND
36	1	P2		CNHEC0470-01-630			CUI	PJ-102A		Digi-Key	CP-102A-ND
37	5	R6, R15, R16, R46, R55	RES FILM SMD 0402	0402	0	1/16W	PANASONIC	ERJ-2GE0R00X	1	Digi-Key	P0.0JCT-ND
38	1	R10	RES FILM SMD 0402	0402	0 DO NOT INSERT	1/16W	PANASONIC	ERJ-2GE0R00X	1	Digi-Key	P0.0JCT-ND
39	1	R2	RES FILM SMD 0603	0603	2.40K	1/10W	Yageo	RC0603FR-072K4L	1	Digi-Key	311-2.40KHRCT-ND
40	1	R5	RES FILM SMD 0603	0603	910	1/10W	Vishay/Dale	CRCW0603910RFKEA	1	Digi-Key	541-910HCT-ND
41	3	R3, R8, R79	RES JMPR SMD 0603 (RES)	0603	0 LOOP FILTER	1/16W	PANASONIC	ERJ-3GEY0R00V	1	Digi-Key	P0.0GCT-ND
42	3	R9, R35, R37	RES JMPR SMD 0603 (RES)	0603	0 DO NOT INSERT	1/16W	PANASONIC	ERJ-3GEY0R00V	1	Digi-Key	P0.0GCT-ND
43	12	R1, R4, R7, R11, R12, R13, R29, R42, R43, R51, R83, R85	RES FILM SMD 0402	0402	200	1/16W	PANASONIC	ERJ-2RKF2000X	1	Digi-Key	P200LCT-ND
44	2	R17, R22	RES FILM SMD 1206	1206	100K	1/8W	PANASONIC	ERJ-8ENF1003V	1	Digi-Key	P100KFTR-ND
45	4	R18, R19, R20, R77	RES FILM SMD 1206	1206	300	1/8W	PANASONIC	ERJ-8GEYJ301V	5	Digi-Key	P300ECT-ND
46	1	R21	RES FILM SMD 1206	1206	1M	1/8W	PANASONIC	ERJ-8ENF1004V	1	Digi-Key	P1.00MFCT-ND
47	3	R23, R62, R63	RES FILM SMD 1206	1206	10K	1/8W	PANASONIC	ERJ-8ENF1002V	1	Digi-Key	P10.0KFCT-ND
48	4	R24, R25, R26, R27	RES FILM SMD 0603	0603	330	1/16W	PANASONIC	ERJ-3GEYJ331V	5	Digi-Key	P330GCT-ND
49	4	R28, R32, R34, R38	RES FILM SMD 0805	0805	78.7K	1/8W	PANASONIC	ERJ-6ENF7872V	1	Digi-Key	P78.7KCCT-ND
50	1	R30	RES FILM SMD 1206	1206	806	1/8W	PANASONIC	ERJ-8ENF8060V	1	Digi-Key	P806FCT-ND
51	4	R31, R33, R36, R40	RES FILM SMD 0805	0805	140K	1/10W	PANASONIC	ERJ-6ENF1403V	1	Digi-Key	P140KCCT-ND
52	1	R41	RES FILM SMD 0402	0402	49.9	1/16W	PANASONIC	ERJ-2RKF49R9X	1	Digi-Key	P49.9LCT-ND
53	1	R39	RES FILM SMD 0402	0402	49.9 DO NOT INSERT	1/16W	PANASONIC	ERJ-2RKF49R9X	1	Digi-Key	P49.9LCT-ND
54	2	R44, R45	RES FILM SMD 1206	1206	2.2K	1/8W	PANASONIC	ERJ-8GEYJ222V	5	Digi-Key	P2.2KECT-ND
55	2	R47, R48	RES FILM SMD 0402	0402	49.9	1/16W	PANASONIC	ERJ-2RKF49R9X	1	Digi-Key	P49.9LCT-ND
56	2	R49, R50	RES FILM SMD 0402	0402	24.9 DO NOT INSERT	1/16W	PANASONIC	ERJ-2RKF24R9X	1	Digi-Key	P24.9LCT-ND
57	1	R53	RES FILM SMD 0402	0402	4.12K	1/16W	PANASONIC	ERJ-2RKF4121X	1	Digi-Key	P4.12KLCT-ND
58	1	R54	RES FILM SMD 0402	0402	5.1K	1/16W	PANASONIC	ERJ-2GEJ512X	5	Digi-Key	P5.1KJCT-ND
59	2	S1, S2		SIP-2P			MOLEX	90120-0762		Digi-Key	WM8084-ND
60	2	S3, S4		SIP-3P			MOLEX	90120-0763		Digi-Key	WM8085-ND
61	1	S5		7914J-1-000E			Bourns	7914J-1-000E		Digi-Key	7914J-1-000ECT-ND
62	2	T1, T2	XFMR RF 1:1	ETC1	ETC1_1_13 DO NOT INSERT		Tyco/M/A/Com	MABA-007159-000000		MA Com	MABA-007159-000000
63	1	TB1	6 pin Terminal Block		DO NOT INSERT		Wieland	(Terminal Strip) Z5.530.3625.0, (Plug) 25.602.2653.0		Newark	59K9215, 95F6000
64	7	TP1, TP2, TP4, TP5, TP6, TP30, TP31		TP_1	DO NOT INSERT						
65	1	TP3		MOIRE	DO NOT INSERT						

66	4	U1, U4, U6, U7	IC-TTL INVERTER DUAL SHMT-T	SC-70-6	SN74LVC2G14DCKR		TI	SN74LVC2G14DCKR		Digi-Key	296-13011-1-ND
67	1	U2		SSOP56	CY7C68013A-56PVXC		CYPRESS	CY7C68013A-56PVXC		Digi-Key	428-1627-ND
68	1	U3	IC 128 BIT SERIAL EEPROM	DIP8	24LC00-I/P		MicroChip Tech	24LC00-I/P		Digi-Key	24LC00-I/P-ND
69	1	U5	IC-TTL OCTAL BUFFER/DRVR W/3 STATE OUT	TSSOP20	SN74LVC541APWR		TI	SN74LVC541APWR		Digi-Key	296-8521-1-ND
70	4	VR1, VR2, VR3, VR4	IC-ADI LOW IQ 500MA ADJ LOW DROPOUT REG	LFCSP8-3X3	ADP3334ACP		ADI	ADP3334ACPZ		ADI	ADP3334ACPZ- REEL7
71	1	X1	IC CRYSTAL OSC 24 MHZ	HC49SDSPX	ECS-240-12-5PX-TR		ECS Inc.	ECS-240-12-5PX-TR		Digi-Key	XC-1001CT-ND
72	4	Rubber Foot	Bumpon Tall Taper Square	0.50x0.23			3M	SJ-5518(BLACK)		Digi-Key	SJ5518-0-ND
73	2	Same as S1, S2	Conn Shunt, 2 Position (across both pins S1 & S2)		Black		Samtec	SNT-100-BK-G		Digi-Key	SNT-100-BK-G- ND
74	2	Same as S3, S4	Conn Shunt, 2 Position (to cntr pin S3, to cntr pin		Black		Samtec	SNT-100-BK-G		Digi-Key	SNT-100-BK-G- ND
			and neg. silkscreen S4)								
			Notes:								
			1	CR1-CR3, CR5-CR10: These LEDs differ only in color. Different part numbers (colors) can be substituted as necessary due to							
			2	DUT and VR1 - VR4 are ADI parts, which we will supply							
			3	Rubber Foot - There are four squares on the bottom silk screen, near the corners, where these feet should be placed.							
			4	Shunt - Placed on S1; S2; S3; S4 per diagram provided by ADI.							