

DAC348X EVM BOM rev F (DAC3482/DAC3484)											
Item	#	Reference	Note	Part	Part Number	Manufacturer	Foot Print	Tol	Volt	Rating	DCR
1	4	C1,C2,C3,C4		.01uF	GRM155R71E103K A01D	Murata	402	10%	25V		
2	18	C5,C6,C7,C8,C9,C10,C13, C14,C15,C25,C26,C27,C28, C38,C41,C42,C43,C49		.22uF	LMK063BJ224MP-F	Taiyo Yuden	201	20%	10V		
3	5	C16,C22,C30,C31,C44		10uF	LMK107BJ106MAL	Taiyo Yuden	603	20%	10V		
4	12	C34,C37,C94,C97,C98,C10 8,C112,C114,C153,C177,C		.1uF	ECJ-0EB1C104K	Panasonic	402	10%	16V		
5	4	C35,C47,C50,C53		1000pF	ECJ-0EB1E102K	Panasonic	402	10%	25V		
6	2	C36,C48		.1uF	LMK063BJ104KP-F	Taiyo Yuden	201	10%	10V		
7	19	C52,C59,C60,C61,C62,C66, C68,C71,C72,C74,C79,C80, C81,C83,C85,C87,C89,C10		4.7uF	C1608X5R1A475K	TDK	603	10%	10V		
8	7	C54,C90,C99,C100,C101,C 102,C103		.01uF	ECJ-0EB1E103K	Panasonic	402	10%	25V		
9	1	C55		.27uF	C0603C274K8PAC	Kemet	603	10%	10V		
10	16	C56,C57,C58,C65,C67,C69, C70,C73,C76,C77,C78,C82, C84,C86,C88,C127		.01uF	ECJ-ZEB1A103K	Panasonic	201	10%	10V		
11	1	C63		1uF	GRM155R61A105K E15D	Murata	402	10%	10V		
12	2	C64,C75		10uF	GRM21BR61A106K E19L	Murata	805	10%	10V		
13	1	C91		10nF	ECJ-1VB1C103K	Panasonic	603				
14	2	C92,C95		4.7uF	LMK212B7475KG-T	Taiyo Yuden	805	10%	10V		
15	1	C93		10uF	GRM21BR71A106K E51L	Murata	805				
16	2	C96,C107		47pF	ECJ-1VC1H470J	Panasonic	603				
17	1	C105		0.22uF	JMK063BJ224MP-F	Taiyo Yuden	201				
18	12	C111,C113,C117,C119,C12 1,C123,C125,C164,C170,C 238,C244,C246		1uF	ECJ-1V41E105M	Panasonic	603	20%	25V		
19	4	C120,C122,C124,C126		.015uF	GRM155R71C153K A01D	Murata	402	10%	16V		
20	10	C133,C134,C143,C144,C14 5,C146,C147,C148,C149,C		10uF	GRM21BR71A106K E51L	Murata	805	10%	10V		
21	2	C135,C150		10uF	GRM21BR71A106K E51L	Murata	805	20%	10V		
22	1	C152		47uF	T491B476M010AT	Kemet	tant_b	20%	10V		
23	1	C154		1uF	C1005X5R1C105K	TDK	402	10%	16V		
24	8	C155,C233,C234,C237,C23 9,C242,C245,C247		10nF	C1005X7R1E103K	TDK	402	10%	25V		
25	3	C163,C169,C240		2.2uF	ECJ-1VB1A225K	Panasonic	603	10%	10V		
26	2	C165,C167		22uF	GRM31CR60J226K E19L	Murata	1206	10%	6.3V		
27	1	C166		33pF	250R07S330GV4T	Johansen	402	2%	25V		

28	1	C178		100pF	ECJ-0EB1E101K	Panasonic	402	10%	25V			
29	1	C179		4.7uF	AMK105BJ475MV-	Taiyo Yuden	402	20%	4V			
30	1	C181		10uF	T494A106M016AT	Kemet	tant_a	20%	16V			
31	1	C196		22pF	500R07S220GV4T	JOHANSON TECH	402	2%				
					GRM21BR70J106K							
32	2	C197,C217		10uF	E76L	MURATA	805	10%	6.3V			
33	1	C198		.01uF	C0402C103J3RAC	KEMET	402	10%	25V			
34	2	C243,C248		10nF	C0402C103K3RAC	Panasonic	402	10%	25V			
		C251,C252,C253,C257,C258,C259,C260,C261,C262,C266,C267,C268,C269,C270,C271,C275,C276,C277,C278,C279,C280,C284,C285,C288,C289,C290,C291,C292,C293,C294,C295,C296,C297,C298,C299,C300,C301,C302,C303,C304,C305,C306,C307,C308,C309,C310,C311,C312,C313,C314,C315,C316,C317,C318,C319,C320,C321,C322,C323,C324,C325,C326,C327,C328,C329,C330,C331,C332,C333,C334,C335,C336,C337,C338,C339,C340,C341,C342,C343,C344,C345,C346,C347,C348,C349,C350,C351,C352,C353,C354,C355,C356,C357,C358,C359,C360,C361,C362,C363,C364,C365,C366,C367,C368,C369,C370,C371,C372,C373,C374,C375,C376,C377,C378,C379,C380,C381,C382,C383,C384,C385,C386,C387,C388,C389,C390,C391,C392,C393,C394,C395,C396,C397,C398,C399,C400,C401,C402,C403,C404,C405,C406,C407,C408,C409,C410,C411,C412,C413,C414,C415,C416,C417,C418,C419,C420,C421,C422,C423,C424,C425,C426,C427,C428,C429,C430,C431,C432,C433,C434,C435,C436,C437,C438,C439,C440,C441,C442,C443,C444,C445,C446,C447,C448,C449,C450,C451,C452,C453,C454,C455,C456,C457,C458,C459,C460,C461,C462,C463,C464,C465,C466,C467,C468,C469,C470,C471,C472,C473,C474,C475,C476,C477,C478,C479,C480,C481,C482,C483,C484,C485,C486,C487,C488,C489,C490,C491,C492,C493,C494,C495,C496,C497,C498,C499,C500,C501,C502,C503,C504,C505,C506,C507,C508,C509,C510,C511,C512,C513,C514,C515,C516,C517,C518,C519,C520,C521,C522,C523,C524,C525,C526,C527,C528,C529,C530,C531,C532,C533,C534,C535,C536,C537,C538,C539,C540,C541,C542,C543,C544,C545,C546,C547,C548,C549,C550,C551,C552,C553,C554,C555,C556,C557,C558,C559,C560,C561,C562,C563,C564,C565,C566,C567,C568,C569,C570,C571,C572,C573,C574,C575,C576,C577,C578,C579,C580,C581,C582,C583,C584,C585,C586,C587,C588,C589,C590,C591,C592,C593,C594,C595,C596,C597,C598,C599,C600,C601,C602,C603,C604,C605,C606,C607,C608,C609,C610,C611,C612,C613,C614,C615,C616,C617,C618,C619,C620,C621,C622,C623,C624,C625,C626,C627,C628,C629,C630,C631,C632,C633,C634,C635,C636,C637,C638,C639,C640,C641,C642,C643,C644,C645,C646,C647,C648,C649,C650,C651,C652,C653,C654,C655,C656,C657,C658,C659,C660,C661,C662,C663,C664,C665,C666,C667,C668,C669,C670,C671,C672,C673,C674,C675,C676,C677,C678,C679,C680,C681,C682,C683,C684,C685,C686,C687,C688,C689,C690,C691,C692,C693,C694,C695,C696,C697,C698,C699,C700,C701,C702,C703,C704,C705,C706,C707,C708,C709,C710,C711,C712,C713,C714,C715,C716,C717,C718,C719,C720,C721,C722,C723,C724,C725,C726,C727,C728,C729,C730,C731,C732,C733,C734,C735,C736,C737,C738,C739,C740,C741,C742,C743,C744,C745,C746,C747,C748,C749,C750,C751,C752,C753,C754,C755,C756,C757,C758,C759,C760,C761,C762,C763,C764,C765,C766,C767,C768,C769,C770,C771,C772,C773,C774,C775,C776,C777,C778,C779,C780,C781,C782,C783,C784,C785,C786,C787,C788,C789,C790,C791,C792,C793,C794,C795,C796,C797,C798,C799,C800,C801,C802,C803,C804,C805,C806,C807,C808,C809,C810,C811,C812,C813,C814,C815,C816,C817,C818,C819,C820,C821,C822,C823,C824,C825,C826,C827,C828,C829,C830,C831,C832,C833,C834,C835,C836,C837,C838,C839,C840,C841,C842,C843,C844,C845,C846,C847,C848,C849,C850,C851,C852,C853,C854,C855,C856,C857,C858,C859,C860,C861,C862,C863,C864,C865,C866,C867,C868,C869,C870,C871,C872,C873,C874,C875,C876,C877,C878,C879,C880,C881,C882,C883,C884,C885,C886,C887,C888,C889,C890,C891,C892,C893,C894,C895,C896,C897,C898,C899,C900,C901,C902,C903,C904,C905,C906,C907,C908,C909,C910,C911,C912,C913,C914,C915,C916,C917,C918,C919,C920,C921,C922,C923,C924,C925,C926,C927,C928,C929,C930,C931,C932,C933,C934,C935,C936,C937,C938,C939,C940,C941,C942,C943,C944,C945,C946,C947,C948,C949,C950,C951,C952,C953,C954,C955,C956,C957,C958,C959,C960,C961,C962,C963,C964,C965,C966,C967,C968,C969,C970,C971,C972,C973,C974,C975,C976,C977,C978,C979,C980,C981,C982,C983,C984,C985,C986,C987,C988,C989,C990,C991,C992,C993,C994,C995,C996,C997,C998,C999,C1000	DNI	CAP NP_1				402	.25pF	50V		
35	24	C254,C255,C256,C263,C264,C265,C272,C273,C274,C281,C282,C283	DNI	3.3pF	GJM1555C1H3R3C B01D	Murata	402	.25pF	50V			
36	12											
37	1	D1		LED green	LNJ306G5PRX	Panasonic	LED_0805					
38	1	D2		Blue	LTST-C170TBKT	Lite On	LED_0805					
39	1	D3		LED AMBER	LNJ406K54RX	PANASONIC	LED_0805					
40	1	FB1		1.5K @ 100MHz	BLM18HE152SN1D	Murata	603				.500 Ohm	
		FB3,FB5,FB8,FB9,FB10,FB11,FB12,FB13,FB15		120	BLM15PD121SN1D	Murata	402				90 mOhm	
41	9			1K	BLM15AX102SN1D	Murata	402				490 mOhm	
42	4	FB4,FB6,FB7,FB25		68 OHM @ 100MHz	EXC-ML32A680U	Panasonic	1206					
43	2	FB16,FB20		1K	FBMH4525HM102N	Taiyo Yuden	1810					
44	5	FB22,FB24,FB34,FB35,FB3		27uF	NFM31PC276B0J3	MURATA	1206_BEAD_NFM31P					
45	3	FB28,FB30,FB31		1 AMP FUSE	0154001_DNI	LITTELFUSE	NANO_SMF					
46	1	F1	DNI	Jumper_1x3_100_430L	HMTSW-103-07-G-S-.230	SAMTEC	HDR_THVT_1x3_100_M					
47	4	JP2,JP5,JP6,JP10	(SHUNT 1-2)	Jumper_1x3_100_430L	HMTSW-103-07-G-S-.230	SAMTEC	HDR_THVT_1x3_100_M					
48	2	JP3,JP4	(SHUNT 2-3)	HEADER_1x2_100_430L	HMTSW-102-07-G-S-.240	SAMTEC	HDR_THVT_1x2_100_M					
49	5	JP7,JP8,JP9,JP12,JP13	SHORTED	SMA_PCB_THVT	142-0701-201	Johnson	SMA_THVT_312x312					
50	4	J1,J4,J5,J8	DNI	SMA_PCB_THVT	142-0701-201	Johnson	SMA_THVT_312x312					
51	4	J2,J3,J6,J7		SMA THRU HOLE R/A	132136	AMPHENOL CONNEX	SMA_THRT_276X276					
52	1	J9		SMP_PCB_SMT		Molex Inc.	smp_b120					
53	1	J10		SMP_PCB_SMT	853050232	Molex Inc.	smp_b120					
54	8	J11,J12,J15,J19,J20,J21,J2		HEADER, SMT, 180POS, HS GND	QTH-090-01-L-D-A	SAMTEC	CON_SMVT_180POS_QTH_SAMTEC_RT1					
55	1	J13		USB_MINI_AB	DX3R005HN2E700	JAE	CON_SMRT_USBMN E20_F					
56	1	J14		CONN JACK PWR	RAPC722	Switchcraft	CON_RAPC722_JACK_THVT_3					
57	1	J18		2.2uH	LPS3015-222ML	Coilcraft	LPS3015					
58	3	L6,L25,L26										

59	24	L27,L28,L29,L30,L31,L32,L33,L34,L35,L36,L37,L38,L39,L40,L41,L42,R104,R105,R106,R107,R108,R109,R11		0	RMCF 1/16S 0 R	Stackpole Electronics Inc	402	5%			
60	1	Q1		FDC3616N	FDC3616N	Fairchild Semiconductor	SSOT6_FLMP				
61	12	R4,R13,R16,R20,R24,R25,R28,R32,R34,R36,R40,R42	DNI	0	RMCF0402ZT0R00	Stackpole Electronics Inc	402	5%			
62	2	R5,R15		100	CRCW0402100RFK	Vishay/Dale	402	1%		1/16W	
63	8	R6,R10,R21,R23,R29,R31,R37,R39		100	RMCF0402FT100R	Stackpole Electronics Inc	402	1%			
64	4	R9,R12,R14,R18		0	RMCF0402ZT0R00	Stackpole Electronics Inc	402	5%			
65	8	R33,R35,R41,R94,R96,R97,R98,R112	DNI	49.9	CRCW020149R9FK ED	Stackpole Electronics Inc	201	1%			
66	2	R43,R46		1K	ERJ-2RKF1001X	Panasonic	402	1%			
67	1	R44		1.27K	ERJ-2RKF1271X	Panasonic	402	1%			
68	1	R45		10	CRCW040210R0FK	Vishay/Dale	402	1%			
69	2	R47,R51		82.5	ERJ-2RKF82R5X	Panasonic	402	1%			
70	1	R48		1.1K	ERJ-2RKF1101X	Panasonic	402	1%			
71	1	R49	DNI	49.9	ERJ-	Panasonic	402	1%			
72	2	R50,R103		130	ERJ-2RKF1300X	Panasonic	402	1%			
73	1	R52		301	CRCW0402301RFK	Vishay	402	1%			
74	10	R53,R57,R60,R61,R62,R63,R68,R69,R89,R91	DNI	130	ERJ-2RKF1300X	Panasonic	402	1%			
75	1	R54		3.01K	ERJ-2RKF3011X	PANASONIC	402	5%	1/16W		
76	10	R55,R116,R117,R149,R152,R154,R155,R156,R157,R1		0	ERJ-2GE0R00X	Panasonic	402	5%			
77	4	R56,R59,R64,R65	DNI	82.5	ERJ-2RKF82R5X	Panasonic	402	1%			
78	6	R66,R67,R71,R72,R90,R92		150	ERJ-2RKF1500X	Panasonic	402	1%			
79	1	R70	<Note>	0	ERJ-2GE0R00X	Panasonic	402	5%			
80	5	R73,R74,R83,R166,R167		10K	ERJ-2RKF1002X	Panasonic	402	1%			
81	8	R75,R76,R77,R78,R79,R80,R81,R82		22.1	ERJ-2RKF22R1X	Panasonic	402	1%			
82	5	R84,R85,R86,R87,R88		100	ERJ-2RKF1000X	Panasonic	402	1%			
83	10	R95,R120,R121,R122,R123,R124,R125,R129,R130,R1	DNI	0	ERJ-2GE0R00X	Panasonic	402	5%			
84	2	R114,R148		750K	CRCW0402750KJN	Vishay/Dale	402	1%		1/16W	
85	2	R115,R151		150K	RC0402FR-	Yageo	402	1%		1/16W	
86	2	R126,R127	DNI	0	RMCF0805ZT0R00	Stackpole Electronics Inc	805	5%		1/8W	
87	1	R128		0	RMCF0805ZT0R00	Stackpole Electronics Inc	805	5%		1/8W	
88	1	R131		60.4K	ERJ-2RKF6042X	Panasonic	402	1%			
89	1	R143		10K	ERJ-3EKF1002V	Panasonic	603	1%		1/10W	
90	1	R150		191K	CRCW0402191KFK	Vishay/Dale	402	1%		1/16W	
91	1	R153		182K	CRCW0402182KFK	Vishay/Dale	402	1%		1/16W	
92	2	R164,R165	DNI	10K	ERJ-2RKF1002X	Panasonic	402	1%			

93	2	R168,R169		1.15K	RMCF0603FT1K15	Stackpole Electronics Inc	603	1%		1/10W	
94	2	R170,R171		3.57K	RMCF0603FT3K57	Stackpole Electronics Inc	603	1%		1/10W	
95	1	R172	DNI	0	CRCW12060000Z0	Vishay/Dale	1206	5%		1/4W	
96	2	R173,R175		4.99K	RMCF0603FT4K99	Stackpole Electronics Inc	603	1%		1/10W	
97	2	R174,R176		2.49K	RMCF0603FT2K49	Stackpole Electronics Inc	603	1%		1/10W	
98	2	R206,R207		49.9	ERJ-2RKF49R9X	Panasonic	402	1%			
99	1	SJP1	DNI	SOLDER JUMPER,	DNI	DNI	0603_bridge				
100	4	SJP9,SJP10,SJP11,SJP12	(SHUNT 1-2)	SMT Jumper_1x3	NO PART-SMD	NO PART	0201_smd_jumper3x1				
101	1	SW1		SW RESET	KT11P3JM	C&K	SW_SMVT_RESET				
102	1	SW2		USB RESET	KT11P3JM	C&K	SW_SMVT_RESET				
103	6	TP1,TP6,TP7,TP8,TP9,TP1		Testloop_Black	5011	KEYSTONE	testpoint_62dia				
104	3	TP4,TP5,TP14		Testloop_White	5012	KEYSTONE	testpoint_62dia				
105	1	TP12		Testloop_Red	5010	Keystone	testpoint_62dia				
106	5	TP15,TP16,TP17,TP18,TP1		Testloop_Red	5005	Keystone	testpoint_62dia				
		TP27,TP28,TP29,TP30,TP3									
107	8	1,TP32,TP33,TP34		GND PAD			testpad20_30				
108	4	T1,T2,T3,T4		ADT4-1WT	ADT4-1WT+	Mini-Circuits	TFMR_6_RF_DUAL_FOOTPRINT				
109	4	T8,T9,T10,T11		ETC1-1-13	ETC1-1-13	AMP M/A-COM	TFMR_6_RF_DUAL_FOOTPRINT				
110	1	U1	TI Supplied	DAC3482 or DAC3484	DAC3482IRKDT or DAC3484IRKDT	Texas Instruments	PWQFN88_p6mm				
111	1	U2	TI Supplied	CDCE62005	CDCE62005RGZT	Texas Instruments	QFN48_RGZ_RTC				
112	1	U3		FT245RL	FT245RL	FTDI Chip	ssop_28_413x220_26				
113	1	U4	TI Supplied	SN74HC241PW	SN74HC241PW	Texas Instruments	tssop_20_260x177_26				
114	1	U5	TI Supplied	SN74AHC541PW	SN74AHC541PW	Texas Instruments	tssop_20_260x177_26				
115	1	U6	TI Supplied	CDCP1803	CDCM1803RGET	Texas Instruments	qfn24_rge_rtw				
116	1	U7	TI Supplied	TPS62290	TPS62290DRVT	TI	SON_DRV_6				
117	1	U11	TI Supplied	TPS62420	TPS62420DRCR	Texas Instruments	SON_DRC_10				
118	4	U12,U13,U15,U18	TI Supplied	TPS74201	TPS74201RGWR	Texas Instruments	qfn20_rgw_p65pitch				
119	1	U14	TI Supplied	LP2985-50	LP2985-50DBVR	TI	SOT_5_120X69_37				
120	1	U16	DNI	TCXO 19.2MHz	D75A-019.2 MHZ	Connor-Winfield	SMD_XTAL_7X5MM_D75Aseries				
121	1	U17		TCXO 19.2MHz	VTD3-J0BC-	Vectron	OSC_4_SM_460x386				
122	1	U21	TI Supplied	TPS2400	TPS2400DBVT	Texas Instruments	DBV5				
123	4	Z_SCREW1,Z_SCREW2,Z_SCREW3,Z_SCREW4	SCREW FOR STANDOFF	SCREW PANHEAD 4-40 x 3/8	PMS 440 0038 PH	Building Fasteners					
124	5	Z_SH-H2,Z_SH-H3,Z_SH-H6,Z_SH-H7,Z_SH-H12	SHUNT FOR HEADER	SHUNT-HEADER	MJ-5.97-G	Keltron					
125	1	Z_SH-H4	SHUNT FOR HEADER	SHUNT-HEADER	MJ-5.97-G	Keltron	603				
126	5	Z_SH-H5,Z_SH-H14,Z_SH-H15,Z_SH-H16,Z_SH-H17	SHUNT FOR HEADER	SHUNT-HEADER	MJ-5.97-G or equivalent	Keltron					
127	1	Z_SH-H8	SHUNT FOR HEADER	0 Ohm	RMCF0402ZT0R00	Stackpole Electronics Inc	402				

128	3	Z_SH-H9,Z_SH-H10,Z_SH-H11	SHUNT FOR HEADER	0 Ohm	RMCF0402ZT0R00	Stackpole Electronics Inc					
129	1	Z_SH-J29	SHUNT FOR JUMPER	SHUNT-JUMPER-0603	ERJ-3GE0R00X	PANASONIC					
130	4	Z_STANDOFF1,Z_STANDOFF2,Z_STANDOFF3,Z_STANDOFF4	INSTALLED	STANDOFF ALUM HEX 4-40 x 1"	2205	Keystone					
131	4	Z_STANDOFF1,Z_STANDOFF2,Z_STANDOFF3,Z_STANDOFF4	INCLUDED WITH BOARD IN SEPARATE BAG	STANDOFF ALUM HEX 4-40 x .750"	2204	Keystone					

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