

**1417WHD 메인보드 REV6\_1 BOM\_140515 / 블루 / 2차진행**

Sr No	Quantity	Reference Designators	Part No/Value	Remarks
1	19	BD1,BD2,BD3,BD4,BD5,BD6, BD7,BD8,BD9,BD10,BD11, BD12,BD13,BD14,BD15,BD16, BD17,BD18,BD19	MPZ2012S300A	
2	1	BD20	NC/MPZ2012S102A	
3	8	BD21,BD22,BD23,BD24,BD25, BD26,BD27,BD28	BLM188B220SN1	
4	1	BD29	MPZ2012S102A	
5	9	BD30,BD31,BD35,BD41,BD44, BD49,BD82,BD84,BD85	BLM41PG181SN1	
6	20	BD32,BD33,BD34,BD36,BD37, BD38,BD39,BD40,BD42,BD43, BD45,BD46,BD47,BD48,BD50, BD51,BD52,BD53,BD81,BD83	BLM41PG750SN1	
7	1	BD54	LQH32CN100K53	
8	52	BD55,BD56,BD57,BD58,BD59, BD60,BD61,BD62,BD63,BD64, BD65,BD66,BD67,BD68,BD69, BD70,BD71,BD72,BD73,BD74, BD75,BD76,BD77,BD78,BD79, BD80,BD86,BD87,BD88,BD89, BD90,BD91,BD92,BD93,BD94, BD95,BD96,BD97,BD98,BD99, BD100,BD101,BD102,BD103, BD104,BD105,BD106,BD107, BD108,BD109,BD110,BD111	MPZ1608S600A	
9	8	CT1,CT2,CT3,CT4,CT5,CT6, CT7,CT8	220uF/3528/6.3V	
10	7	CT9,CT10,CT11,CT12,CT13, CT14,CT15	47uF/3528/16V	
11	75	C1,C4,C7,C10,C13,C16,C19, C22,C25,C28,C31,C34,C37, C40,C43,C46,C49,C52,C55, C58,C61,C64,C67,C70,C73, C76,C79,C82,C85,C88,C91, C94,C97,C100,C103,C106, C109,C112,C115,C118,C121, C124,C127,C130,C133,C136, C139,C142,C145,C148,C151, C154,C157,C160,C163,C166, C169,C172,C175,C178,C181, C184,C187,C190,C193,C204, C218,C232,C246,C635,C636, C644,C661,C678,C705	1nF/1005/50V	
12	631	C2,C5,C8,C11,C14,C17,C20, C23,C26,C29,C32,C35,C38, C41,C44,C47,C50,C53,C56, C59,C62,C65,C68,C71,C74, C77,C80,C83,C86,C89,C92, C95,C98,C101,C104,C107, C110,C113,C116,C119,C122, C125,C128,C131,C134,C137, C140,C143,C146,C149,C152, C155,C158,C161,C164,C167, C170,C173,C176,C179,C182, C185,C188,C191,C194,C196, C197,C198,C199,C200,C201, C202,C203,C209,C225,C239, C247,C250,C307,C313,C314, C316,C317,C318,C319,C320, C321,C322,C323,C324,C325, C328,C330,C331,C332,C337, C338,C339,C340,C341,C342, C343,C345,C346,C347,C348, C349,C350,C351,C352,C353, C354,C357,C359,C360,C361, C366,C367,C368,C369,C370, C371,C372,C374,C375,C376, C377,C378,C379,C380,C381, C382,C383,C386,C388,C389, C390,C395,C396,C397,C398, C399,C400,C401,C403,C404, C405,C406,C407,C408,C409,	0.1uF/1005/16V	

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13	102	C3,C6,C9,C12,C15,C18,C21,	47uF/3216/16V
		C24,C27,C30,C33,C36,C39,	
		C42,C45,C48,C51,C54,C57,	
		C60,C63,C66,C69,C72,C75,	
		C78,C81,C84,C87,C90,C93,	
		C96,C99,C102,C105,C108,	
		C111,C114,C117,C120,C123,	
		C126,C129,C132,C135,C138,	
		C141,C144,C147,C150,C153,	
		C156,C159,C162,C165,C168,	
		C171,C174,C177,C180,C183,	
		C186,C189,C192,C195,C205,	
		C206,C207,C208,C210,C211,	
		C212,C213,C214,C215,C216,	
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14	89	C219,C220,C221,C222,C223,	10uF/3216/50V
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15	246	C251,C254,C257,C260,C261,	10uF/2012/16V
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		C480,C489,C500,C509,C564,	
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		C700,C701,C702,C737,C738,		
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16	32	C252,C253,C255,C256,C258,	2.2uF/1005/6.3V	
		C259,C262,C264,C265,C267,		
		C268,C270,C271,C272,C275,		
		C276,C279,C280,C282,C283,		
		C284,C287,C288,C291,C292,		
		C295,C296,C298,C299,C300,		
		C303,C304		
17	2	C305,C311	NC/0.1uF/1005/16V	
18	2	C306,C312	NC/10uF/2012/16V	
19	32	C327,C334,C356,C363,C385,	1uF/1005/16V	
		C392,C414,C421,C443,C450,		
		C472,C479,C501,C508,C516,		
		C517,C528,C536,C537,C549,		
		C550,C555,C556,C569,C571,		
		C573,C575,C627,C629,C637,		
		C657,C671		
20	14	C329,C336,C358,C365,C387,	56pF/1005/50V	
		C394,C416,C423,C445,C452,		
		C474,C481,C503,C510		
21	7	C333,C362,C391,C420,C449,	10nF/1005/16V	
		C478,C507		
22	26	C531,C533,C534,C540,C580,	0.1uF/1608/50V	
		C582,C588,C596,C600,C607,		
		C610,C615,C618,C622,C645,		
		C649,C654,C662,C666,C673,		
		C683,C688,C693,C696,C721,		
		C1295		
23	3	C539,C553,C554	22pF/1005/50V	
24	1	C542	56nF/1005/16V	
25	1	C561	1nF_2KV/4532	
26	22	C583,C587,C589,C591,C597,	2.2uF/2012/50V	
		C601,C608,C611,C616,C619,		

		C623,C646,C650,C655,C663,		
		C667,C674,C684,C689,C694,		
		C722,C1296		
27	74	C599,C621,C648,C665,C670,	22uF/2012/35V	SEC벤더로 25V사용 / 사용가능
		C680,C1128,C1129,C1130,		
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		C1187,C1191,C1192,C1193,		
		C1202,C1203,C1210,C1211,		
		C1390		
28	2	C1125,C1126	2.2uF/1608/16V	
29	1	C1127	10pF/1005/50V	
30	3	C1258,C1260,C1261	1uF/1608/50V	
31	1	C1259	15pF/1005/50V	
32	26	C1262,C1263,C1264,C1265,	12pF/1005/50V	
		C1266,C1267,C1268,C1269,		
		C1270,C1271,C1272,C1273,		
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		C1278,C1279,C1280,C1281,		
		C1282,C1283,C1284,C1285,		
		C1286,C1287		
33	7	C1288,C1289,C1290,C1291,	20pF/1005/50V	
		C1292,C1293,C1294		
34	1	D1	MRA4003/SMA	
35	1	D6	STPS5L60S/SMC	
36	1	D7	BAT54/SOT23	
37	1	D8	SS24/SMB	
38	2	D9,D10	1N4148/LL-34	
39	1	D11	GREEN/1608/LED	
40	1	F5	0154003/125V,3A SMD	
41	4	H1,H2,H3,H4	T POINT R_5.2pi	
42	6	H7,H8,H9,H10,H11,H12	T POINT R_8pi	
43	13	J1,J2,J3,J4,J5,J6,J7,J8,	24 5602 060 000 829 H+_STACK_KCR	24-5602-660-001-829+, WITH BOSS 사용
		J9,J10,J11,J12,J13		
44	1	J14	FX11A-60S/6-SV(573-0702-9-71)	
45	2	J15,J22	12513WR-06	
46	1	J16	NC/DNI/HEADER 8x1/2.54	
47	1	J18	108-78493-8362AD-204	2013022-1 TYCO 사용
48	1	J20	12507WR-30L	
49	1	J21	12507WR-08L	
50	1	J23	24 6407 052 000888+	
51	2	J24,J26	NC/DNI/HEADER 12x1/2.54	
52	1	J25	FH12-6S-0.5SH	
53	2	LS1,LS2	AQY272AX/SO-4	
54	1	L1	HP10046R8M_6.8uH/8A	
55	58	TP1,TP2,L2VN_BB,TP3,TP4,	T POINT R	
		TP5,L5VN_VGL,L5VN_ADC,		
		TP6,TP7,TP8,TP9,TP10,		
		TP11,TP12,TP13,L14VP_VGH,		
		S15VP_VGH,TP18,TP19,		
		L2.5VP_GATE,TP36,TP37,		
		TP46,TP47,TP48,TP49,TP50,		
		TP51,TP52,TP53,TP57,TP61,		
		TP63,TP65,S6.5VN,TP67,		
		TP69,TP71,TP72,TP73,TP74,		
		TP75,TP76,TP77,TP78,TP88,		
		TP91,TP93,TP94,TP95,TP96,		
		TP97,TP98,TP99,TP100,		
		TP101,TP102		
56	3	Q1,Q2,Q3	AO4409/SOIC8	
57	2	Q4,Q5	AO4474/SOIC8	
58	25	R1,R2,R3,R4,R5,R6,R7,R8,	4.7K/1005/1%	
		R83,R96,R98,R100,R190,		
		R191,R192,R193,R350,R391,		
		R392,R396,R397,R402,R407,		

		R573,R576		
59	125	R9,R10,R11,R12,R13,R14, R15,R16,R17,R18,R19,R20, R21,R22,R23,R24,R25,R26, R27,R28,R29,R31,R32,R34, R35,R37,R38,R40,R41,R43, R44,R46,R47,R49,R50,R52, R53,R55,R56,R58,R59,R61, R62,R64,R65,R67,R84,R85, R86,R87,R88,R89,R90,R91, R92,R93,R94,R155,R156, R157,R158,R159,R161,R162, R163,R164,R165,R166,R169, R175,R176,R177,R178,R179, R180,R181,R182,R183,R184, R185,R186,R187,R188,R189, R320,R325,R330,R332,R333, R341,R343,R345,R347,R349, R351,R352,R353,R354,R355, R356,R357,R384,R385,R399, R400,R406,R410,R412,R454, R474,R479,R480,R499,R519, R547,R556,R557,R580,R473	0E/1005/5%	
60	13	R30,R33,R36,R39,R42,R45, R48,R51,R54,R57,R60,R63, R66	0E/1608/5%	
61	37	R68,R69,R72,R73,R74,R75, R76,R77,R203,R204,R217, R218,R231,R232,R245,R246, R259,R260,R273,R274,R287, R288,R327,R328,R334,R335, R336,R337,R338,R359,R360, R373,R416,R417,R446,R466, R467	10K/1005/1%	
62	44	R70,R71,R195,R196,R197, R207,R209,R210,R211,R221, R223,R224,R225,R235,R237, R238,R239,R249,R251,R252, R253,R263,R265,R266,R267, R277,R279,R280,R281,R291, R318,R319,R342,R344,R382, R383,R394,R395,R398,R405, R428,R457,R498,R520	1K/1005/1%	
63	1	R78	22E/3216/1%	
64	2	R79,R80	1K/3216/1%	
65	1	R81	47E/3216/1%	
66	1	R82	100E/3216/1%	
67	15	R95,R200,R201,R214,R215, R228,R229,R242,R243,R256, R257,R270,R271,R284,R285	100E/1005/1%	
68	5	R97,R99,R101,R292,R340	330E/1005/1%	
69	89	R102,R103,R104,R105,R106, R107,R108,R109,R110,R111, R112,R113,R114,R115,R116, R117,R118,R119,R120,R121, R122,R123,R124,R125,R126, R127,R128,R129,R130,R131, R132,R133,R134,R135,R136, R137,R138,R139,R140,R141, R142,R143,R144,R145,R146, R147,R148,R149,R150,R151, R152,R153,R154,R160,R173, R199,R206,R213,R220,R227, R234,R241,R248,R255,R262, R269,R276,R283,R290,R408, R409,R414,R415,R481,R482, R483,R484,R485,R486,R487, R488,R489,R490,R491,R492, R493,R494,R495,R496	33E/1005/1%	
70	23	R194,R208,R222,R236,R250, R264,R278,R386,R387,R388, R389,R390,R401,R403,R404, R501,R502,R503,R504,R505, R506,R507,R509	2K/1005/1%	
71	11	R198,R212,R226,R240,R254, R268,R282,R368,R372,R510, R512	NC/1005/1%	

72	15	R202,R205,R216,R219,R230, R233,R244,R247,R258,R261, R272,R275,R286,R289,R518	590E/1005/1%	
73	4	R293,R294,R295,R296	10E/6432/5%	
74	5	R523,R524,R525,R526, R566	4.7K/1005/5%	
75	2	R314,R468	10E/3216/1%	
76	2	R315,R324	0.01E/3216/1%	
77	6	R316,R317,R321,R322,R323, R339	100K/1005/1%	
78	1	R326	32.4K/1005/1%	
79	26	R329,R369,R370,R371,R545, R546,R548,R549,R550,R551, R552,R553,R554,R555,R558, R559,R561,R562,R567,R569, R577,R578,R581,R582,R583, R584	NC/1005/5%	
80	1	R331	499K/1005/1%	
81	1	R346	NC/1K/1005/1%	
82	1	R348	NC/0E/1005/5%	
83	1	R358	360K/1005/1%	
84	11	R361,R511,R513,R514,R541, R542,R543,R544,R572,R575,R313	0E/1005/1%	
85	2	R362,R393	1.6K/1005/1%	
86	1	R363	130K/1005/1%	
87	4	R364,R365,R366,R367	75E/1005/1%	
88	4	R374,R375,R376,R570	NC/1608/5%	
89	7	R377,R378,R424,R425,R440, R447,R451	13K/1005/1%	
90	3	R379,R380,R381	2.49K/1005/1%	
91	2	R411,R413	NC/4.7K/1005/1%	
92	3	R422,R438,R444	41.2K/1005/1%	
93	3	R423,R439,R445	31.6K/1005/1%	
94	5	R426,R427,R429,R441,R452	4.12K/1005/1%	
95	1	R430	54.9K/1005/1%	
96	1	R431	61.9K/1005/1%	
97	4	R432,R436,R442,R448	3.57K/1005/1%	
98	1	R433	2.26K/1005/1%	
99	3	R434,R443,R450	1.69K/1005/1%	
100	1	R435	4.99K/1005/1%	
101	1	R437	1.15K/1005/1%	
102	3	R449,R464,R522	7.87K/1608/1%	
103	3	R453,R458,R463	12.1K/1005/1%	
104	1	R455	10.7K/1005/1%	
105	2	R456,R460	37.4K/1005/1%	
106	1	R459	174K/1005/1%	
107	1	R461	27K/1005/1%	
108	1	R462	78.7K/1005/1%	
109	5	R465,R469,R470,R471,R472	0E/3216/5%	
110	1	R497	NC/15K/1608/1%	
111	1	R500	15K/1608/1%	
112	1	R508	49.9K/1005/1%	
113	1	R515	47K/1005/1%	
114	1	R516	330K/1005/1%	
115	1	R517	30.1K/1005/1%	
116	1	R521	220E/1005/1%	
117	1	R560	10K/1005/5%	
118	2	R563,R564	1K/1005/5%	
119	1	R565	N.C/1005/5%	
120	1	R568	100K/1005/5%	
121	2	R571,R574	N.C/1005/1%	
122	1	R579	470E/1005/5%	
123	2	TH1,TH2	GND	
124	1	TH3	POW	
125	8	U1,U2,U3,U4,U5,U6,U7,U8	SN74HC244PW	
126	1	U9	XC6SLX25FPG484	
127	1	U10	SIT9102AI-243N25E200	SIT9120AI-2D3-25E200 로 리비전 사용
128	7	U11,U19,U27,U35,U43,U51, U59	ADR444B/SOIC-8	
129	14	U12,U18,U20,U26,U28,U34, U36,U42,U44,U50,U52,U58, U60,U66	AD8031ART/SOT-23	
130	7	U13,U21,U29,U37,U45,U53, U61	AD8030ARJZ/SOT23-8	
131	28	U14,U16,U17,U22,U24,U25, U30,U32,U33,U38,U40,U41, U46,U48,U49,U54,U56,U57,	AD8029AKSZ/SC70	

		U62,U64,U65,U102,U103,		
		U104,U105,U106,U107,U108		
132	7	U15,U23,U31,U39,U47,U55,	AD7626BCPZ	
		U63		
133	1	U71	bq24610RGET/QFN24	
134	1	U72	S-1142B33I-E6T1U /HSOP-6	
135	1	U73	ATtiny87-A15XZ/TSSOP-20	
136	1	U74	H5084NL/MAGNETICS	
137	2	U75,U76	ADC128D818CIMT/NOPB	
138	1	U77	UIS302DL/LGA-14	
139	1	U78	AT24C1024B SOIC-8S1 -2.5	
140	4	U80,U84,U88,U91	LTM8032EV#PBF	
141	7	U81,U82,U83,U89,U93,U94,	LT1963AEFE	
		U95		
142	5	U85,U86,U87,U90,U92	TPS74401RGWR	
143	3	U96,U98,U99	LT3015EDD#PBF	
144	1	U97	TPS84259RKGR	
145	2	U100,U101	MAX319CSA	
146	1	U109	LT3461AES6	
147	1	X1	8MHz/SX-3	