

ASMPCB-HURRICANE-MOTHERBOARD_REVX2

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Quantity to Build: 5
 Part List Revision: A
 Purchase List Number: 001
 List Release Date: 2/4/2018

Item	Qty	Part Number	Description	Reference
	Loc	Sort Code		
		Vendor Name	Vendor Part Number	Manf Name
			Manf Part Number	
1	40	BW-301-231	Cap ceramic 10pF 50V 1% COG NPO 0402	C77 C79 C81 C83 C96 C98 C100 C102
	* A1	CAPC-0402 10pF 50V	Murata GRM1555C1H100FA01D	
		Digi-Key 490-6186-1-ND	Murata GRM1555C1H100FA01D	
2	10	BW-419-162	Cap ceramic 1.2nF 50V 5% COG NPO 0402	C88 C94
	* A2	CAPC-0402 1.2nF 50V	Kemet C0402C122J5GACTU	
		Digi-Key 399-7334-1-ND	Kemet C0402C122J5GACTU	
3	10	BW-173-862	Cap ceramic 2.7nF 50V 5% COG NPO 0603	C87 C93
	* A3	CAPC-0402 2.7nF 50V	Murata GRM1885C1H272JA01D	
		Digi-Key 490-3283-1-ND	Murata GRM1885C1H272JA01D	
4	40	BW-489-672	Cap ceramic 0.01uF 16V 10% X7R 0402	C4 C89 C90 C91 C104 C105 C107 C108
	* A4	CAPC-0402 0.01uF 16V	AVX 0402YC103KAT2A	
		Digi-Key 478-1114-1-ND	AVX 0402YC103KAT2A	
5	400	BW-794-372	Cap ceramic 0.1uF 10V 10% X5R 0402	C1 C2 C3 C5 C7 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23
	* A5	CAPC-0402 0.1uF 10V	Murata GRM155R61A104KA01D	
		Digi-Key GRM155R61A104KA01D	Murata 490-1318-6-ND	
6	5	BW-466-928	Cap ceramic 1uF 10V 10% X5R 0805	C58
	* A6	CAPC-0805 1uF 10V	AVX 0805ZD105KAT2A	
		Digi-Key 478-1412-1-ND	AVX 0805ZD105KAT2A	
7	5	BW-012-654	Cap ceramic 4.7uF 10V 10% X5R 0805	C44
	* A7	CAPC-0805 4.7uF 10V	Taiyo Yuden LMK212BJ475KD-T	
		Digi-Key 587-1297-6-ND	Taiyo Yuden LMK212BJ475KD-T	

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8	10	BW-496-598	Cap ceramic 39nF 50V 5% COG NPO 1206	C86 C92
	*A8	CAPC-1206 39nF 50V	Murata GRM31M5C1H393JA01L	
		Digi-Key 490-3358-1-ND	Murata GRM31M5C1H393JA01L	
9	80	BW-840-130	Cap ceramic 10uF 16V 20% X5R 1206	C6 C8 C42 C46 C48 C52 C55 C60 C62 C64 C66 C68 C70 C73 C75 C76
	*B1	CAPC-1206 10uF 16V	TDK C3216X5R1C106M160AA	
		Digi-Key 445-1426-1-ND	TDK C3216X5R1C106M160AA	
10	10	BW-701-605	Cap aluminum electrolytic 1000uF 16V 20% radial	C51 C54
	*B2	CAPE-AL-GP 1000uF 16V	Panasonic EEU-FM1C102	
		Digi-Key P12366-ND	Panasonic EEU-FM1C102	
11	10	BW-700-435	Cap tantalum electrolytic 3.3uF 35V 10% 2312	C57 C59
	*B3	CAPT 3.3uF 35V	AVX TPSC335K035R0700	
		Digi-Key 478-1769-1-ND	AVX TPSC335K035R0700	
12	60	BW-072-821	Con 1 pin 100 mil 1x1 dtr male	J23 J27 J28 J29 J30 J31 J32 J33 J34 J35 J36
	*B4	CON-025 1	TE 4-103327-3	
		Digi-Key A122848-ND	TE 4-103327-3	
13	30	BW-003-156	Con 2 pin 100 mil 1x2 str male	J20 J22 J24 J25 J26
	*B5	CON-025 2	TE 5-146252-1	
		Digi-Key A105225-ND	TE 5-146252-1	
14	5	BW-008-317	Con 3 pin 100 mil 1x3 keyed male	J10
	*B6	CON-025 3	Molex 22-11-2032	
		Digi-Key WM2701-ND	Molex 0022112032	

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15	60	BW-389-759	Con 3 pin 100 mil 1x3 str male	J37 J38 J39 J40 J41 J42 J43 J44 J45 J46 J47
	*B7	CON-025 3	TE 5-146280-3	
	Digi-Key 5-146280-3-ND		TE 5-146280-3	
16	5	BW-970-533	Con 4 pin 100 mil 2x2 str male	J11
	*B8	CON-025 4	TE 87227-2	
	Digi-Key A26567-ND		TE 87227-2	
17	5	BW-009-332	Con 8 pin 100 mil 2x4 str male	J14
	*C1	CON-025 8	TE 87227-4	
	Digi-Key A26571-ND		TE 87227-4	
18	5	BW-715-979	Con 20 pin 100 mil 2x10 str male shrouded	J21
	*C2	CON-025 20	3M 30320-6002HB	
	Digi-Key 3M11932-ND		3M 30320-6002HB	
19	5	BW-935-627	Con 400 pin 1.27mm 10x40 FMC VITA 57 male plug	J17
	*C3	CON-FMC 400 plug	Molex 0459704715	
	Digi-Key WM4985CT-ND		Molex 0459704715	
20	5	BW-349-120	Con 400 pin 1.27mm 10x40 FMC VITA 57 female recp	J18
	*C4	CON-FMC 400 recp	Molex 0459714515	
	Digi-Key WM4982CT-ND		Molex 0459714515	
21	100	BW-222-950	Con SMA jack str 50 ohm PCB THT-SMT	J1 J2 J3 J4 J5 J6 J7 J8 J9 J12 J13 J15 J16 J19
	*C5	CON-RF SMA	Amphenol RF 132134-15	
	Digi-Key ACX1962-ND		Amphenol RF 132134-15	

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22	5	BW-082-896	Osc 50MHz	X2
	*C6	CRY-OSC 50MHz	Epson SG210SED50.0000ML3	
		Digi-Key SER3708DKR-ND	Epson SG-210SED50.0000ML3	
23	5	BW-448-646	Osc 125MHz	X1
	*C7	CRY-OSC 125MHz	Kyocera KC3225A125.000C30E00	
		Digi-Key 478-4593-1-ND	Kyocera KC3225A125.000C30E00	
24	5	BW-364-542	Diode 75V 150mA MELF	D1
	*C8	D-PN DL4148	Micro Commercial DL4148-TP	
		Digi-Key DL4148-TPMSCT-ND	Micro Commerci DL4148-TP	
25	5	BW-493-051	IC LM2776 voltage inverter SOT23-6	U8
	*D1	IC LM2776	TI LM2776DBVR	
		Digi-Key 296-43957-1-ND	Texas Instrume LM2776DBVR	
26	5	BW-430-932	IC LT3022 adj LDO regulator 1A MSOP-EP-16	U5
	*D2	IC LT3022	Linear Tech LT3022EMSE#PBF	
		Digi-Key LT3022EMSE#PBF-ND	Linear Technol LT3022EMSE#PBF	
27	10	BW-328-278	IC ADF4351 wideband synthesizer w/integrated VCO LFCSP-;	U1 U15
	*D3	IC ADF4351	Analog Devices ADF4351BCPZ	
		Digi-Key ADF4351BCPZ-RL7CT-ND	Analog Devices ADF4351BCPZ-RL7	
28	5	BW-280-531	IC DS4432 prog current source DAC I2C uSOP-8	U3
	*D4	IC DS4432	Maxim DS4432U+	
		Digi-Key DS4432U+-ND	Maxim DS4432U+	

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29	20	BW-388-512	IC NLSX5014 4-bit 100 Mb/s level translator TSSOP-14	U14 U16 U17
	*D5	IC NLSX5014	ON Semi NLSX5014DTR2G	
		Digi-Key	NLSX5014DTR2GOSCT-ND	ON Semiconduct
				NLSX5014DTR2G
30	5	BW-832-719	IC AD5263 digital pot 4-output TSSOP-24	U9
	*D6	IC AD5263	ADI AD5263BRUZ200	
		Digi-Key	AD5263BRUZ200-ND	Analog Devices
				AD5263BRUZ200
31	10	BW-360-543	IC LM8272 op-amp MSOP-8	U2 U13
	*D7	IC LM8272	TI LM8272MM	
		Digi-Key	296-35316-1-ND	Texas Instrume
				LM8272MMX
32	10	BW-920-319	IC PCA9306 level shifter I2C TSSOP-8	U6 U7
	*D8	IC PCA9306	NXP PCA9306DP,118	
		Digi-Key	568-4214-6-ND	NXP
				PCA9306DP,118
33	5	BW-507-628	IC MAX9611 op-amp uMAX-10	U4
	*E1	IC MAX9611	Maxim MAX9611AUB+	
		Digi-Key	MAX9611AUB+-ND	Maxim
				MAX9611AUB+
34	5	BW-388-492	IC ISL23315 digital pot 10K MSOP-10	U11
	*E2	IC ISL23315	Intersil ISL23315WFUZ	
		Digi-Key	ISL23315WFUZ-ND	Intersil
				ISL23315WFUZ
35	5	BW-595-034	IC ISL43240 quad SPDT switch SSOP-20	U10
	*E3	IC ISL43240	Intersil ISL43240IAZ	
		Digi-Key	ISL43240IAZ-ND	Intersil
				ISL43240IAZ

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36	5	BW-956-629	IC TPS62361 buck switching reg pos adj BGA-16	U12
	*E4	IC TPS62361	TI TPS62361BYZHR	
		Digi-Key 296-28830-1-ND	Texas Instrume TPS62361BYZHR	
37	50	BW-002-808	Inductor 1uH 650mA 0603	L1 L2 L3 L4 L5 L6 L7 L8 L9
	*E5	IND-0603 1uH 650mA	Taiyo Yuden BRL1608T1R0M	
		Digi-Key 587-2897-1-ND	Taiyo Yuden BRL1608T1R0M	
38	5	BW-691-371	MOSFET N-CH 60V 4A SOT223	Q1
	*E6	Q-NMOS NDT3055L	ON Semi NDT3055L	
		Digi-Key NDT3055LCT-ND	ON Semiconduct NDT3055L	
39	10	BW-800-965	Res 40.2K 0.5% 1/16W 0402	R3 R4
	*E7	R.5%-0402 40.2K	Susumu RR0510P-4022-D	
		Digi-Key RR05P40.2KDCT-ND	SusumU RR0510P-4022-D	
40	40	BW-783-395	Res 49.9 1% 1/16W 0402	R1 R52 R55 R56 R60 R61 R62 R63
	*E8	R1%-0402 49.9	Vishay CRCW040249R9FKEDC	
		Digi-Key 541-3967-1-ND	Vishay CRCW040249R9FKEDC	
41	5	BW-182-504	Res 200 1% 1/10W 0402	R5
	*F1	R1%-0402 200	Panasonic ERJ-2RKF2000X	
		Digi-Key P200LCT-ND	Panasonic ERJ-2RKF2000X	
42	10	BW-038-026	Res 360 1% 1/16W 0402	R54 R58
	*F2	R1%-0402 360	Vishay CRCW0402360RFKED	
		Digi-Key 541-360LCT-ND	Vishay CRCW0402360RFKED	

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43	10	BW-686-191	Res 680 1% 1/16W 0402	R53 R57
	*F3	R1%-0402 680	Vishay CRCW0402680RFKED	
		Digi-Key 541-680LCT-ND	Vishay CRCW0402680RFKED	
44	5	BW-117-435	Res 1.24K 1% 1/16W 0402	R6
	*F4	R1%-0402 1.24K	Vishay CRCW04021K24FKED	
		Digi-Key 541-1.24KLCT-ND	Vishay CRCW04021K24FKED	
45	10	BW-026-055	Res 5.1K 1% 1/16W 0402	R51 R59
	*F5	R1%-0402 5.1K	Vishay CRCW04025K10FKED	
		Digi-Key 541-5.10KLCT-ND	Vishay CRCW04025K10FKED	
46	20	BW-242-342	Res 100K 1% 1/16W 0402	R64 R65 R66 R67
	*F6	R1%-0402 100K	Yageo RC0402FR-07200KL	
		Digi-Key 311-200KLRCCT-ND	Yageo RC0402FR-07200KL	
47	5	BW-020-333	Res 1 1% 1W 1508	R50
	*F7	R1%-1508 1	Susumu RL3720WS-1R0-F	
		Digi-Key RL37WS1.00FCT-ND	Susumu RL3720WS-1R0-F	
48	5	BW-656-709	Res 0.05 1% 1W 2512	R49
	*F8	R1%-2512 0.05	Susumu KRL3264-C-R050-F-T1	
		Digi-Key KRL32C.050CT-ND	Susumu KRL3264-C-R050-F-T1	
49	300	BW-740-618	Res 3.9K 5% 1/10W 0402	R2 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27
	*G1	R5%-0402 3.9K	Panasonic ERJ-2GEJ392X	
		Digi-Key P3.9KJCT-ND	Panasonic ERJ-2GEJ392X	

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Vendor Name		Vendor Part Number	Manf Name	Manf Part Number
50	10	BW-258-029	Res 200K 5% 1/16W 0402	R39 R46
	*G2	R5%-0402 200K	Yageo RC0402JR-07200KL	
Digi-Key 311-200KJRCT-ND			Yageo RC0402JR-07200KL	