

ASMPCB-HURRICANE-MOTHERBOARD_REVX2

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Quantity to Build: 1
Part List Revision: A

Item Loc	Qty	Part Number Sort Code	Description			Reference
		Vendor Name	Vendor Part Number	Manf Name	Manf Part Number	
1	66	BW-794-372 CAPC-0402 0.1uF 10V Digi-Key	Cap ceramic 0.1uF 10V 10% X5R 0402 Murata GRM155R61A104KA01D GRM155R61A104KA01D	Murata	490-1318-6-ND	C1 C2 C3 C5 C7 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25 C26 ^27 C28 C29 C30 C31 C32 33 C34 C35
2	8	BW-489-672 CAPC-0402 0.01uF 16V Digi-Key	Cap ceramic 0.01uF 16V 10% X7R 0402 AVX 0402YC103KAT2A 478-1114-1-ND	AVX	0402YC103KAT2A	C4 C89 C90 C91 C104 C105 C107 C108
3	16	BW-840-130 CAPC-1206 10uF 16V Digi-Key	Cap ceramic 10uF 16V 20% X5R 1206 TDK C3216X5R1C106M160AA 445-1426-1-ND	TDK	C3216X5R1C106M160AA	C6 C8 C42 C46 C48 C52 C55 C60 C62 C64 C66 C68 C70 C73 C75 C76
4	1	BW-012-654 CAPC-0805 4.7uF 10V Digi-Key	Cap ceramic 4.7uF 10V 10% X5R 0805 Taiyo Yuden LMK212BJ475KD-T 587-1297-6-ND	Taiyo Yuden	LMK212BJ475KD-T	C44
5	2	BW-701-605 CAPE-AL-GP 1000uF 16V Digi-Key	Cap aluminum electrolytic 1000uF 16V 20% radial Panasonic EEU-FM1C102 P12366-ND	Panasonic	EEU-FM1C102	C51 C54
6	2	BW-700-435 CAPT 3.3uF 35V Digi-Key	Cap tantalum electrolytic 3.3uF 35V 10% 2312 AVX TPSC335K035R0700 478-1769-1-ND	AVX	TPSC335K035R0700	C57 C59
7	1	BW-466-928 CAPC-0805 1uF 10V Digi-Key	Cap ceramic 1uF 10V 10% X5R 0805 AVX 0805ZD105KAT2A 478-1412-1-ND	AVX	0805ZD105KAT2A	C58
8	8	BW-301-231 CAPC-0402 10pF 50V Digi-Key	Cap ceramic 10pF 50V 1% COG NPO 0402 Murata GRM1555C1H100FA01D 490-6186-1-ND	Murata	GRM1555C1H100FA01D	C77 C79 C81 C83 C96 C98 C100 C102
9	2	BW-496-598 CAPC-1206 39nF 50V Digi-Key	Cap ceramic 39nF 50V 5% COG NPO 1206 Murata GRM31M5C1H393JA01L 490-3358-1-ND	Murata	GRM31M5C1H393JA01L	C86 C92
10	2	BW-173-862	Cap ceramic 2.7nF 50V 5% COG NPO 0603 Murata GRM1885C1H272JA01D			C87 C93
11	2	BW-419-162 CAPC-0402 1.2nF 50V Digi-Key	Cap ceramic 1.2nF 50V 5% COG NPO 0402 Kemet C0402C122J5GACTU 399-7334-1-ND	Kemet	C0402C122J5GACTU	C88 C94

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12	1	BW-364-542 D-PN DL4148	Diode 75V 150mA MELF Micro Commercial DL4148-TP	D1
		Digi-Key	DL4148-TPMSCT-ND	Micro Commerci DL4148-TP
13	14	BW-222-950 CON-RF SMA	Con SMA jack str 50 ohm PCB THT-SMT Amphenol RF 132134-15	J1 J2 J3 J4 J5 J6 J7 J8 J9 J12 J13 J15 J16 J19
		Digi-Key	ACX1962-ND	Amphenol RF 132134-15
14	1	BW-008-317 CON-025 3	Con 3 pin 100 mil 1x3 keyed male Molex 22-11-2032	J10
		Digi-Key	WM2701-ND	Molex 0022112032
15	1	BW-970-533 CON-025 4	Con 4 pin 100 mil 2x2 str male TE 87227-2	J11
		Digi-Key	A26567-ND	TE 87227-2
16	1	BW-009-332 CON-025 8	Con 8 pin 100 mil 2x4 str male TE 87227-4	J14
		Digi-Key	A26571-ND	TE 87227-4
17	1	BW-935-627 CON-FMC 400 plug	Con 400 pin 1.27mm 10x40 FMC VITA 57 male plug Molex 0459704715	J17
		Digi-Key	WM4985CT-ND	Molex 0459704715
18	1	BW-349-120 CON-FMC 400 recp	Con 400 pin 1.27mm 10x40 FMC VITA 57 female recp Molex 0459714515	J18
		Digi-Key	WM4982CT-ND	Molex 0459714515
19	5	BW-003-156 CON-025 2	Con 2 pin 100 mil 1x2 str male TE 5-146252-1	J20 J22 J24 J25 J26
		Digi-Key	A105225-ND	TE 5-146252-1
20	1	BW-715-979 CON-025 20	Con 20 pin 100 mil 2x10 str male shrouded 3M 30320-6002HB	J21
		Digi-Key	3M11932-ND	3M 30320-6002HB
21	11	BW-072-821 CON-025 1	Con 1 pin 100 mil 1x1 dtr male TE 4-103327-3	J23 J27 J28 J29 J30 J31 J32 J33 J34 J35 J36
		Digi-Key	A122848-ND	TE 4-103327-3
22	11	BW-389-759 CON-025 3	Con 3 pin 100 mil 1x3 str male TE 5-146280-3	J37 J38 J39 J40 J41 J42 J43 J44 J45 J46 J47
		Digi-Key	5-146280-3-ND	TE 5-146280-3
23	9	BW-002-808 IND-0603 1uH 650mA	Inductor 1uH 650mA 0603 Taiyo Yuden BRL1608T1R0M	L1 L2 L3 L4 L5 L6 L7 L8 L9
		Digi-Key	587-2897-1-ND	Taiyo Yuden BRL1608T1R0M
24	1	BW-691-371 Q-NMOS NDT3055L	MOSFET N-CH 60V 4A SOT223 ON Semi NDT3055L	Q1
		Digi-Key	NDT3055LCT-ND	ON Semiconduct NDT3055L

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25	8	BW-783-395 R1%-0402 49.9	Res 49.9 1% 1/16W 0402 Vishay CRCW040249R9FKEDC	R1 R52 R55 R56 R60 R61 R62 R63
		Digi-Key 541-3967-1-ND	Vishay CRCW040249R9FKEDC	
26	41	BW-740-618 R5%-0402 3.9K	Res 3.9K 5% 1/10W 0402 Panasonic ERJ-2GEJ392X	R2 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26 R27 R28 R29 R30 R31 R32 R33 R34 R35 R36 R37 R38 R40 R41 R42
		Digi-Key P3.9KJCT-ND	Panasonic ERJ-2GEJ392X	
27	2	BW-800-965 R.5%-0402 40.2K	Res 40.2K 0.5% 1/16W 0402 Susumu RR0510P-4022-D	R3 R4
		Digi-Key RR05P40.2KDCT-ND	Susumu RR0510P-4022-D	
28	1	BW-182-504 R1%-0402 200	Res 200 1% 1/10W 0402 Panasonic ERJ-2RKF2000X	R5
		Digi-Key P200LCT-ND	Panasonic ERJ-2RKF2000X	
29	1	BW-117-435 R1%-0402 1.24K	Res 1.24K 1% 1/16W 0402 Vishay CRCW04021K24FKED	R6
		Digi-Key 541-1.24KLCT-ND	Vishay CRCW04021K24FKED	
30	2	BW-258-029 R5%-0402 200K	Res 200K 5% 1/16W 0402 Yageo RC0402JR-07200KL	R39 R46
		Digi-Key 311-200KJRCT-ND	Yageo RC0402JR-07200KL	
31	1	BW-656-709 R1%-2512 0.05	Res 0.05 1% 1W 2512 Susumu KRL3264-C-R050-F-T1	R49
		Digi-Key KRL32C.050CT-ND	Susumu KRL3264-C-R050-F-T1	
32	1	BW-020-333 R1%-1508 1	Res 1 1% 1W 1508 Susumu RL3720WS-1R0-F	R50
		Digi-Key RL37WS1.00FCT-ND	Susumu RL3720WS-1R0-F	
33	2	BW-026-055 R1%-0402 5.1K	Res 5.1K 1% 1/16W 0402 Vishay CRCW04025K10FKED	R51 R59
		Digi-Key 541-5.10KLCT-ND	Vishay CRCW04025K10FKED	
34	2	BW-686-191 R1%-0402 680	Res 680 1% 1/16W 0402 Vishay CRCW0402680RFKED	R53 R57
		Digi-Key 541-680LCT-ND	Vishay CRCW0402680RFKED	
35	2	BW-038-026 R1%-0402 360	Res 360 1% 1/16W 0402 Vishay CRCW0402360RFKED	R54 R58
		Digi-Key 541-360LCT-ND	Vishay CRCW0402360RFKED	
36	4	BW-242-342	Res 100K 1% 1/16W 0402 Yageo RC0402FR-07200KL	R64 R65 R66 R67
37	2	BW-328-278 IC ADF4351	IC ADF4351 wideband synthesizer w/integrated VCO LFCSP-; Analog Devices ADF4351BCPZ	U1 U15
		Digi-Key ADF4351BCPZ-RL7CT-ND	Analog Devices ADF4351BCPZ-RL7	

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38	2	BW-360-543 IC LM8272	IC LM8272 op-amp MSOP-8 TI LM8272MM		U2 U13
		Digi-Key	296-35316-1-ND	Texas Instrume	LM8272MMX
39	1	BW-280-531 IC DS4432	IC DS4432 prog current source DAC I2C uSOP-8 Maxim DS4432U+		U3
		Digi-Key	DS4432U+-ND	Maxim	DS4432U+
40	1	BW-507-628 IC MAX9611	IC MAX9611 op-amp uMAX-10 Maxim MAX9611AUB+		U4
		Digi-Key	MAX9611AUB+-ND	Maxim	MAX9611AUB+
41	1	BW-430-932 IC LT3022	IC LT3022 adj LDO regulator 1A MSOP-EP-16 Linear Tech LT3022EMSE#PBF		U5
		Digi-Key	LT3022EMSE#PBF-ND	Linear Technol	LT3022EMSE#PBF
42	2	BW-920-319 IC PCA9306	IC PCA9306 level shifter I2C TSSOP-8 NXP PCA9306DP,118		U6 U7
		Digi-Key	568-4214-6-ND	NXP	PCA9306DP,118
43	1	BW-493-051 IC LM2776	IC LM2776 voltage inverter SOT23-6 TI LM2776DBVR		U8
		Digi-Key	296-43957-1-ND	Texas Instrume	LM2776DBVR
44	1	BW-832-719 IC AD5263	IC AD5263 digital pot 4-output TSSOP-24 ADI AD5263BRUZ200		U9
		Digi-Key	AD5263BRUZ200-ND	Analog Devices	AD5263BRUZ200
45	1	BW-595-034 IC ISL43240	IC ISL43240 quad SPDT switch SSOP-20 Intersil ISL43240IAZ		U10
		Digi-Key	ISL43240IAZ-ND	Intersil	ISL43240IAZ
46	1	BW-388-492 IC ISL23315	IC ISL23315 digital pot 10K MSOP-10 Intersil ISL23315WFUZ		U11
		Digi-Key	ISL23315WFUZ-ND	Intersil	ISL23315WFUZ
47	1	BW-956-629 IC TPS62361	IC TPS62361 buck switching reg pos adj BGA-16 TI TPS62361BYZHR		U12
		Digi-Key	296-28830-1-ND	Texas Instrume	TPS62361BYZHR
48	3	BW-388-512 IC NLSX5014	IC NLSX5014 4-bit 100 Mb/s level translator TSSOP-14 ON Semi NLSX5014DTR2G		U14 U16 U17
		Digi-Key	NLSX5014DTR2GOSCT-ND	ON Semiconduct	NLSX5014DTR2G
49	1	BW-448-646 CRY-OSC 125MHz	Osc 125MHz Kyocera KC3225A125.000C30E00		X1
		Digi-Key	478-4593-1-ND	Kyocera	KC3225A125.000C30E00
50	1	BW-082-896 CRY-OSC 50MHz	Osc 50MHz Epson SG210SED50.0000ML3		X2
		Digi-Key	SER3708DKR-ND	Epson	SG-210SED50.0000ML3

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