$hurricane\text{-}mother board_revX2.bmb$

Build Count: Build SIdes:

3

Thru Hole Hand Parts RED = Top

Page: 1 of 5

Date: 5/4/2018

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description	Time: 09:41
1	15	J11, J13, J51, J52, J68	BW-003-156	None	Con 2 pin 100 mil 1x2 str male TE 5-1462	252-1
2	3	J74	BW-008-317	None	Con 3 pin 100 mil 1x3 keyed male Molex	22-11-2032
3	3	J12	BW-009-332	None	Con 8 pin 100 mil 2x4 str male TE 87227	4
4	33	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J55	BW-072-821	None	Con 1 pin 100 mil 1x1 str male TE 4-1033	327-3
5	15	J54, J58, J59, J60, J61	BW-184-356	None	Con 4 pin 100 mil 1x4 str male TE 5-1462	280-4
6	42	J42, J43, J44, J45, J46, J69, J70, J71, J72, J73, J75, J76, J77, J78	BW-222-950	None	Con SMA female jack str 50 ohm PCB TH 132134-15	T-SMT Amphenol RF
7	3	J67	BW-350-512	None	Con USB micro AB recp thru right angle MUSBK15230	Amphenol
8	90	J15, J16, J17, J18, J19, J20, J21, J22, J23, J24, J25, J26, J27, J28, J29, J30, J31, J32, J33, J34, J35, J36, J37, J38, J39, J40, J41, J47, J48, J53	BW-389-759	None	Con 3 pin 100 mil 1x3 str male TE 5-1462	280-3
9	6	C1, C5	BW-701-605	None	Cap aluminum electrolytic 1000uF 16V 2 EEU-FM1C102	0% radial Panasonic
10	3	J66	BW-715-979	None	Con 20 pin 100 mil 2x10 str male shroude	ed 3M 30320-6002HB
11	3	J14	BW-970-533	None	Con 4 pin 100 mil 2x2 str male TE 87227	2

Build SIdes:

hurricane-motherboard_revX2.bmb

3 Build Count:

SMT Machine Parts

Page: 2 of 5

Date: 5/4/2018

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description Time: 09:41	
12	24	L5, L6, L7, L8, L9, L10, L11, L12	BW-002-808	None	Inductor 1uH 650mA 0603 Taiyo Yuden BRL1608T1R0M	
13	33	C72, C82, C92, C102, C112, C122, C132, C202, C204, C212, C214	BW-012-654	None	Cap ceramic 4.7uF 10V 10% X5R 0805 Taiyo Yuden LMK212BJ475KD-T	
14	21	R83, R84, R85, R86, R87, R88, R89	BW-015-470	None	Res 16K 1% 1/10W 0402 Panasonic ERJ-2RKF1602X	
15	12	R90, R91, R92, R93	BW-020-333	None	Res 1 1% 1W 1508 Susumu RL3720WS-1R0-F	
16	6	R111, R114	BW-026-055	None	Res 5.1K 1% 1/16W 0402 Vishay CRCW04025K10FKED	
17	9	F1, F2, F3	BW-036-369	None	Ferrite bead 600 Ohm 1A 0603 Wurth Electronics 7427926	51
18	6	R109, R117	BW-038-026	None	Res 360 1% 1/16W 0402 Vishay CRCW0402360RFKED	
19	3	J56	BW-059-905	None	Clip battery holder for 20mm coin cell CR2032 Linx BAT-HL	_D-001
20	3	X4	BW-082-896	None	Osc 50MHz Epson SG210SED50.0000ML3	
21	3	U44	BW-103-963	None	IC FT232H USB to UART/FIFO QFN-48 FTDI FT232HQ-REEL	-
22	21	R49, R52, R55, R58, R61, R64, R67	BW-117-435	None	Res 1.24K 1% 1/16W 0402 Vishay CRCW04021K24FKED	
23	12	L1, L2, L3, L4	BW-163-397	None	Inductor 1uH 3.1A 1210 Murata Electronics 1277AS-H-1R0M=P2	
24	6	C225, C243	BW-173-862	None	Cap ceramic 2.7nF 50V 5% COG NPO 0603 Murata GRM1885C1H272JA01D	
25	21	R48, R51, R54, R57, R60, R63, R66	BW-182-504	None	Res 200 1% 1/10W 0402 Panasonic ERJ-2RKF2000X	
26	3	R102	BW-207-404	None	Res 12K 1% 1/10W 0402 Panasonic ERJ-2RKF1202X	
27	3	U47	BW-208-224	None	IC CAT93C46V uWire EEPROM 1Kb SOIC-8 On Semi CAT93C46VI-GT3	
28	18	R98, R100, R130, R131, R132, R133	BW-234-473	None	Res 0 1/10W 0603 Vishay CRCW06030000Z0EAC	
29	15	R94, R95, R96, R97, R99	BW-242-342	None	Res 100K 1% 1/16W 0402 Yageo RC0402FR-07200KL	
30	6	R33, R40	BW-258-029	None	Res 200K 5% 1/16W 0402 Yageo RC0402JR-07200KL	
31	6	U4, U5	BW-280-531	None	IC DS4432 prog current source DAC I2C uSOP-8 Maxim DS4432U	
32	24	C230, C232, C234, C236, C246, C248, C250, C252	BW-301-231	None	Cap ceramic 10pF 50V 1% COG NPO 0402 Murata GRM1555C1H100FA01D	
33	6	U48, U49	BW-328-278	None	IC ADF4351 wideband synthesizer w/integrated VCO LFC Analog Devices ADF4351	SP-32
34	3	J49	BW-330-143	None	Con 400 pin 1.27mm FMC VITA 57 male plug 10mm stkd ht Samtec ASP-134488-01	
35	3	U46	BW-332-476	None	IC SN74LVC257APWR Quad 2 1 MUX TSSOP-16 TI SN74LVC257APWR	
36	12	U7, U9, U11, U13	BW-360-543	None	IC LM8272 op-amp MSOP-8 TI LM8272MM	
37	3	D5	BW-364-542	None	Diode 75V 150mA MELF Micro Commercial DL4148-TP	
38	24	C183, C185, C188,	BW-373-241	None	Cap ceramic 10uF 6.3V 20% X5R 0603 Taiyo Yuden	

Build Sldes:

 $hurricane\text{-}mother board_revX2.bmb$

Build Count:

3

SMT Machine Parts

Page: 3 of 5

Date: 5/4/2018

Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description Time: 09:41
		C190, C193, C195, C198, C200			JMK107BJ106MA-T
39	6	E1, E2	BW-375-090	None	Diode TVS 24VWM 150VC 0402 Littelfuse PGB1010402KR
40	21	U16, U19, U22, U25, U28, U31, U34	BW-388-492	None	IC ISL23315 digital pot 10K MSOP-10 Intersil ISL23315WFUZ
41	18	U38, U39, U45, U50, U51, U52	BW-388-512	None	IC NLSX5014 4-bit 100 Mb/s level translator TSSOP-14 On Semi NLSX5014DTR2G
42	12	M1, M2, M3, M4	BW-418-701	None	MOSFET N-CH 20V 1.3A SOT-23 ON Semi NDS331N
43	6	C226, C244	BW-419-162	None	Cap ceramic 1.2nF 50V 5% COG NPO 0402 Kemet C0402C122J5GACTU
44	3	X2	BW-425-399	None	Osc crystal 12MHz ECS ECS-120-18-5PX-TR
45	21	U15, U18, U21, U24, U27, U30, U33	BW-430-932	None	IC LT3022 adj LDO regulator 1A MSOP-EP-16 Linear Tech LT3022EMSE#PBF
46	12	D1, D2, D3, D4	BW-441-382	None	LED 566nm green 2V 1206 Dialight 5988270107F
47	3	X1	BW-441-620	None	Osc crystal 32.768kHz Citizen Finedevice CM315D32768HZFT
48	3	Х3	BW-448-646	None	Osc 125MHz Kyocera KC3225A125.000C30E00
49	3	C10	BW-466-928	None	Cap ceramic 1uF 10V 10% X5R 0805 AVX 0805ZD105KAT2A
50	3	U36	BW-468-510	None	IC M24128 128Kb 16K x 8 I2C 1MHz EEPROM TSSOP-8 ST M24128-BRDW6TP
51	36	C209, C210, C211, C219, C237, C239, C240, C254, C255, C257, C258, C260	BW-489-672	None	Cap ceramic 0.01uF 16V 10% X7R 0402 AVX 0402YC103KAT2A
52	3	U3	BW-493-051	None	IC LM2776 voltage inverter SOT23-6 TI LM2776DBVR
53	6	C224, C241	BW-496-598	None	Cap ceramic 39nF 50V 5% COG NPO 1206 Murata GRM31M5C1H393JA01L
54	21	U14, U17, U20, U23, U26, U29, U32	BW-507-628	None	IC MAX9611 op-amp uMAX-10 Maxim MAX9611AUB
55	12	R72, R74, R79, R82	BW-531-013	None	Res 249 1% 1/10W 0402 Panasonic ERJ-2RKF2490X
56	3	J50	BW-543-902	None	Con 400 pin 1.27mm FMC VITA 57 female recp Samtec ASP-134486-01
57	6	U8, U12	BW-595-034	None	IC ISL43240 quad SPDT switch SSOP-20 Intersil ISL43240IAZ
58	21	R47, R50, R53, R56, R59, R62, R65	BW-656-709	None	Res 0.05 1% 1W 2512 Susumu KRL3264-C-R050-F-T1
59	3	R68	BW-657-023	None	Res 0 1/4W 1206 Panasonic ERJ-8GEY0R00V
60	3	U37	BW-669-396	None	IC PCF85263A real-time clock w/alarm, battery switch-over I2C SOIC-8 NXP PCF8526
61	6	R108, R116	BW-686-191	None	Res 680 1% 1/16W 0402 Vishay CRCW0402680RFKED
62	12	R101, R103, R104, R105	BW-687-360	None	Res 10K 1% 1/16W 0402 Yageo RC0402FR-0710KL
63	3	M5	BW-691-371	None	MOSFET N-CH 60V 4A SOT223 ON Semi NDT3055L
64	6	C9, C11	BW-700-435	None	Cap tantalum electrolytic 3.3uF 35V 10% 2312 AVX TPSC335K035R0700

Job Name: hurricane-motherboard_revX2.bmb

Build Count: Page: 4 of 5

Build SIdes: SMT Machine Parts Date: 5/4/2018

Build SI	Build Sides: SWI Wachine Parts							
Find-TC	Count	Ref_Des	Part_Number	Sort Code	Description	Time: 09:41		
65	153	R1, R2, R3, R4, R5, R6, 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, R34, R35, R36, R37, R38, R39, R41, R42, R69, R70, R71, R73, R75, R76, R77, R78, R80, R81, R121	BW-740-618	None	Res 3.9K 5% 1/10W 0402 Panasonic ERJ-2	PGEJ392X		
66	24	R107, R110, R112, R113, R115, R118, R119, R120	BW-783-395	None	Res 49.9 1% 1/16W 0402 Vishay CRCW04	0249R9FKEDC		
67	471	C2, C4, C6, C8, C12, C14, C16, C17, C19, C21, C23, C25, C27, C29, C31, C33, C35, C37, C39, C41, C43, C45, C47, C49, C51, C53, C55, C57, C59, C61, C63, C65, C67, C69, C70, C73, C74, C77, C78, C79, C80, C83, C84, C87, C88, C89, C90, C93, C94, C97, C98, C99, C100, C103, C104, C107, C108, C109, C110, C113, C114, C117, C118, C119, C120, C123, C124, C127, C128, C129, C130, C133, C134, C137, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C156, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172, C173, C174, C175, C176, C177, C178, C179, C180, C181, C182, C184, C182, C184, C182, C184, C182, C184, C182, C194, C192, C203, C205, C206, C207, C208, C213, C215, C216, C217, C218, C222, C223, C227, C228, C223, C227, C228, C224, C245, C247, C249, C251, C253, C255, C253, C255, C236, C207, C208, C213, C225, C223, C227, C228, C224, C224, C245, C247, C249, C251, C253, C255, C266, C207, C208, C213, C225, C226, C227, C228, C227, C225, C227, C2253, C227, C225, C225, C227, C225, C225, C227, C225, C	BW-794-372	None	Cap ceramic 0.1uF 10V 10% X5R 0402 Mu GRM155R61A104KA01D	rata		

Build SIdes:

76

3 R106

 $hurricane-mother board_revX2.bmb$

BW-976-525

None

Build Count: 3

3

SMT Machine Parts

Page: 5 of 5

Date: 5/4/2018

ind-TC	Count	Ref_Des	Part_Number	Sort Code	Description	Time: 09:41
		C256, C259				
8	12	R43, R44, R45, R46	BW-800-965	None	Res 40.2K 0.5% 1/16W 0402 Susumu	RR0510P-4022-D
9	6	C220, C221	BW-811-743	None	Cap ceramic 27pF 50V 1% COG NPO 0402 Murata GRM1555C1H270FA01D	
0	3	U35	BW-822-598	None	IC PCA9846 bus switch 4-channel TSS PCA9846PWJ	OP-16 NXP
1	6	U6, U10	BW-832-719	None	IC AD5263 digital pot 4-output TSSOP-AD5263BRUZ200	24 ADI
72	153	C3, C7, C13, C15, C18, C20, C22, C24, C26, C28, C30, C32, C34, C36, C38, C40, C42, C44, C46, C48, C50, C52, C54, C56, C58, C60, C62, C64, C66, C68, C71, C75, C76, C81, C85, C86, C91, C95, C96, C101, C105, C106, C111, C115, C116, C121, C125, C126, C131, C135, C136	BW-840-130	None	Cap ceramic 10uF 16V 20% X5R 1206 C3216X5R1C106M160AA	TDK
73	3	J57	BW-866-261	None	Con SD card recp Amphenol FCI 1006	7847
4	6	U1, U2	BW-920-319	None	IC PCA9306 level shifter I2C TSSOP-8	NXP PCA9306DP,118
5	12	U40, U41, U42, U43	BW-956-629	None	IC TPS62361 buck switching reg pos a	dj BGA-16 TI

TPS62361BYZHR

Res 2.2K 1% 1/16W 0402 Yageo RC0402FR-072K2L