



DOCUMENT DESCRIPTION
BOARD NAME
BOARD PART NUMBER
PCB VERSION
DATE

bill-of-materials-hive-unmatched-3a0
Bill of Materials for Printed Circuit Board Assembly
HiFive Unmatched - FU740 Production Board
HF105-ASSY-3A0
3
2/15/21

Item #	Part Number	Description	Quantity	Designator	Mfr 1	Mfr 1 PN	Mfr 2	Mfr 2 PN
1	HF105-PCB	PCB, HiFive Unmatched	1	PCB1		HF105-pcb-3		
2	M0000027	BATTERY HOLDER CONN 12MM PC PIN VERTICAL	1	BATH1	Antenk Electronics	BT-MR-G0-K-RI1220A	MPD	BC5015M-TR
3	C0100004	CAP CER 0.1UF 16V X7R 0402	279	C1, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C21, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C52, C54, C55, C56, C57, C58, C61, C62, C63, C64, C65, C70, C71, C72, C73, C74, C75, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C95, C96, C97, C98, C99, C108, C109, C110, C111, C112, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C141, C143, C144, C145, C146, C148, C149, C151, C152, C153, C154, C155, C157, C158, C159, C160, C161, C162, C163, C168, C169, C171, C172, C173, C174, C176, C177, C179, C180, C181, C182, C184, C185, C187, C188, C197, C200, C203, C204, C205, C207, C208, C210, C211, C212, C213, C215, C216, C218, C219, C220, C221, C223, C224, C225, C226, C227, C235, C236, C237, C238, C240, C241, C242, C243, C246, C250, C256, C257, C259, C260, C261, C264, C266, C267, C268, C269, C270, C271, C272, C273, C277, C278, C279, C280, C285, C286, C287, C288, C289, C290, C291, C299, C301, C317, C319, C320, C371, C372, C373, C374, C375, C377, C378, C381, C382, C383, C384, C386, C389, C390, C391, C392, C393, C394, C395, C396, C398, C400, C407, C408, C418, C419, C420, C424, C425, C427, C429, C430, C431, C435, C436, C437, C438, C442, C445, C447, C449, C450, C451, C456, C461, C470, C471, C472, C473, C491, C493, C495, C515, C526, C527, C528, C530, C531, C543, C551, C552, C553, C554, C555, C556, C557, C558, C559, C562, C576, C577, C578, C579, C580, C581, C594, C595, C596, C597, C600, C603, C616, C619, C621, C626, C627	Walsin	0402B104K160CT	Yageo	CC0402XK7R78B104
4	C0100023	CAP CER 4.7UF 6.3V X5R 0402	51	C2, C3, C4, C5, C6, C21, C22, C23, C26, C27, C28, C66, C77, C78, C79, C80, C81, C103, C104, C105, C106, C107, C113, C114, C115, C116, C117, C142, C147, C150, C155, C170, C175, C178, C183, C195, C201, C206, C209, C214, C217, C222, C234, C239, C284, C300, C318, C376, C434, C441, C446	Walsin	0402X475M6R3CT	Murata Electronics	GRM155R60J475ME47D
5	C0100026	CAP CER 1UF 16V X5R 0402	56	C20, C68, C69, C164, C165, C166, C167, C186, C189, C190, C191, C192, C228, C229, C330, C331, C232, C234, C249, C251, C252, C254, C255, C323, C326, C327, C328, C329, C330, C331, C332, C336, C337, C343, C362, C432, C436, C497, C498, C499, C500, C501, C502, C503, C504, C505, C506, C511, C512, C513, C514, C515, C516, C517, C518, C519	Walsin	0402X105K160CT	Samsung Electro-Mechanics	CL05A105K05NNNC
6	C0100033	CAP CER 10UF 10V X5R 0603	30	C34, C25, C28, C30, C51, C53, C193, C194, C198, C199, C200, C258, C262, C363, C265, C274, C339, C354, C355, C356, C385, C428, C433, C438, C561, C564, C566, C612, C613, C622	Walsin	0603X106K100CT	Murata Electronics	GRM155R60J106K6E9D
7	C0100025	CAP CER 18PF 50V C0G/NP0 0402	8	C59, C60, C100, C101, C275, C276, C454, C455	Walsin	0402N180I500CT	Murata Electronics	GRM1555C1H180I401D
8	C0100012	CAP CER 12PF 50V NP0 0402	2	C67, C416	Walsin	0402N120I500CT	Murata Electronics	GRM1555C1H120I401D
9	C0100040	CAP CER 0.22UF 16V X7R 0402	64	C76, C244, C245, C253, C297, C298, C302, C303, C304, C305, C306, C307, C308, C309, C310, C311, C312, C313, C314, C315, C365, C366, C397, C399, C401, C402, C403, C404, C405, C406, C409, C410, C411, C412, C413, C414, C415, C417, C421, C422, C440, C443, C444, C448, C458, C460, C462, C464, C465, C466, C467, C468, C474, C475, C476, C477, C478, C480, C482, C484, C486, C488, C490, C492	Walsin	0402B224K160CT	Samsung Electro-Mechanics	CL05B224K05NNNC
10	C0100018	CAP CER 100PF 50V C0G/NP0 0402	1	C94	Walsin	0402N101I500CT	Murata Electronics	GRM1555C1H101I401D
11	C0100014	CAP CER 1000PF 50V X7R 0402	7	C102, C283, C342, C369, C453, C548, C609	Walsin	0402B103K500CT	Murata Electronics	GRM155R71H103K48D
12	C0100024	CAP CER 1000PF 50V C0G/NP0 0402	2	C196, C247	Walsin	0402N102I500CT	Samsung Electro-Mechanics	GRM1555C1H102I401D
13	C0100015	CAP CER 10UF 25V X5R 0805	1	C248	Walsin	0805X106K250CT	Murata Electronics	GRM155R61E106K473L
14	C0100029	CAP CER 1000PF 25V X7R 1206	2	C281, C282	Walsin	1206B102K202CT	Johnson Dielectrics Inc	J20Z48W102K2V4E
15	C0100062	CAP CER 4.7UF 35V X5R 0805	3	C392, C393, C487	Walsin		Samsung Electro-Mechanics	CL21A475K1C1QNC
16	C0000005	CAP ALUM 470UF 20% 16V SMD	5	C294, C295, C296, C334, C335			Nichicon	UW71C471MML1GS
17	C0100056	CAP CER 2.2UF 10V X5R 0402	13	C321, C322, C324, C325, C349, C350, C351, C357, C360, C361, C363, C364, C617	Walsin	0402X225M100CT	Taiyo Yuden	LMK105B1225MV-F
18	C0000006	CAP ALUM 100UF 20% 16V SMD	7	C333, C423, C426, C439, C560, C565, C588			Panasonic	EEF-HC1C101XP
19	C0100051	CAP CER 47UF 6.3V X5R 0805	10	C338, C340, C344, C345, C347, C358, C359, C379, C380, C388	Walsin	0805X476M6R3CT	Murata Electronics	GRM21BR60J476ME15L
20	C0100041	CAP CER 22UF 10V X5R 0603	21	C341, C346, C348, C352, C353, C469, C507, C508, C509, C510, C520, C521, C522, C523, C524, C529, C593, C601, C610, C611, C628	Walsin	0603X226M100CT	Samsung Electro-Mechanics	CL10A226MPCNUBE
21	C0100048	CAP CER 0.047UF 16V X7R 0402	1	C367	Walsin	0402B473K160CT	Samsung Electro-Mechanics	CL05B473K05NNNC
22	C0100005	CAP CER 0.47UF 6.3V X5R 0402	1	C368	Walsin	0402X474K6R3CT	Murata Electronics	GRM155R60J474KE19D
23	C0100038	CAP CER 15PF 50V C0G/NP0 0402	4	C370, C387, C623, C624	Walsin	0402N150I500CT	Yageo	CC0402RNPN05N15D
24	C0100072	CAP CER 2200PF 50V X7R 0402	1	C452			Murata Electronics	GC155R71H222KA37D
25	C0100068	CAP CER 100UF 6.3V X5R 1206	5	C457, C463, C479, C481, C483			Samsung Electro-Mechanics	CL31A107M0HNNNE
26	K0000008	CAP ALUM POLY 560UF 20% 2V SMD	1	C459			Panasonic Electronic Components	EEF-G0D561R
27	C0100039	CAP CER 2.2UF 16V X5R 0603	1	C485	Walsin	0603X225K160CT	Samsung Electro-Mechanics	CL10A225K08NNNC
28	C0100042	CAP CER 100PF 50V C0G/NP0 0402	1	C494	Walsin	0402N100I500CT	Murata Electronics	GRM1555C1H100I401D
29	C0100073	CAP CER 330PF 50V X7R 0402	1	C532	Wurth Elektronik	8.85012E+11	Waldin	0402B33K500CT
30	C0000007	CAP ALUM 47UF 20% 15V SMD	4	C605, C606, C607, C608			Panasonic	EEF-HC15470XP
31	D0000013	TVS Diode 24VWM 45VCLAMP	4	D1, D4, D17, D21	Wayon	WEP240RF0603	Littelfuse	PFS00603-240
32	E0000005	LED RGB DIFFUSED CHIP 0606 SMD	1	D2			Lite-on Inc.	LT-LC19HE1WT
33	D0000001	DIODE GEN PURP 80V 125MA SOD523	1	D3	KEL	1M4148WT	Diodes Incorporated	1N4148WT-7
34	D0000012	TVS DIODE 5.5V SOT143B	6	D5, D6, D7, D8, D10, D11	Wayon	WED5R	Nexperia	PT8RSV0J2X, 215
35	E0000006	LED GREEN CLEAR 0606 SMD	10	D9, D12, D13, D14, D15, D16, D18, D19, D20, D22			Lite-on Inc.	LT-LC1906GKT
36	F0000005	FERRITE BEAD 120 OHM 0603 11N	8	F81, F82, F83, F84, F85, F86, F88, F89	Walsin	WL8D1608HCU121TH	Murata	BLM185G121T1ND
37	H0000004	HEATSINK FU740-C000 27X27MMX19.5MM WITHOUT FAN	1	HS1			ATS	ATS-61270R-CL-R0
38	H0000002	HEATSINK ASM2824 21X21MM 1.4MM	1	HS2			Radian	INM21001-33W-7.60+T25
39	J0000010	CONN HEADER VERT 8POS 1.27MM TH	3	J3, J30, J31	Antenk Electronics	PHCS07-08-G0-D-0300-0180-B-H2	Adam Tech	HPH2-A08-JIA
40	J0000028	MICRO SD PUSH/PUSH SMALL BC 9(8+1)	1	J5			Molex, LLC	5033981892
41	J0000049	CONN HEADER SMD 10POS 1.27MM SHROUDED 2X5	1	J6	Antenk Electronics	BHAM01-10G08BWA	CNC Tech	3221-10-0300-00
42	J0000097	CONN HEADER VERT 24POS 2.54MM	1	J8	Antenk Electronics	PHES04-24-G0-D-0600-0300-A-B-H1	Sullins Connector Solutions	PRPC012DAAN-RC
43	J0000029	CONN MOD JACK 8P8C R/A SHIELDED	1	J13			Amphenol Commercial Products	RHSE-5384
44	J0000054	CONN PCI EXP FEMALE 16A9PS 0.039	1	J14	Antenk Electronics	PCI-164D640D02	Amphenol FCI	10018783-10103TLF
45	J0000119	CONN RCPT USB2.0 MICRO B SMD R/A	1	J15	Antenk Electronics	VF-M485-0118	Amphenol FCI	
46	J0000063	CONN HEADER VERT 24POS 4.2MM	1	J16	Antenk Electronics	AW42V2T*12P	Amphenol ICC	10117820-2422LF
47	J0000011	CONN HEADER VERT 2POS 2.54MM BERG 1x2 TH	2	J18, J29	Antenk Electronics	PHES01-02-G0-S-0600-0300-A-B-H1	Sullins Connector Solutions	PRPC002SAMN-RC
48	J0000059	CONN M.2 EDGE MEKRY DUAL FEMALE 67POS 0.020	1	J19	Antenk Electronics	AP-APCI009P-9	TE Connectivity	1-2199119-5
49	J0000064	CONN HEADER VERT 10POS 2.54MM	1	J20	Antenk Electronics	PHES04-10-G0-D-0600-0300-A-B-H1	Sullins Connector Solutions	PRPC005DAAN-RC
50	J0000116	CONN HEADER VERT 2POS 2.54MM FAN	1	J21	Antenk Electronics	AW2543VA-02P	Molex, LLC	22322021
51	J0000026	2x10 CONN HEADER 2MM SMD AU 20POS	1	J22	Antenk Electronics	PHDM05-20-G0-D-0400-0075-0650-B-W-A-H1	Harwin Inc	M22-5321005
52	J0000034	CONN HEADER VERT 3POS 2.54MM FAN	2	J23, J24	Antenk Electronics	AW2543VA-3P	Molex, LLC	22322031
53	J0000074	CONN HEADER VERT 5POS 2.54MM	1	J26	Antenk Electronics	PHES01-05-G0-S-0600-0300-A-B-H1	Amphenol FCI	68002-205HLF
54	J0000058	CONN RCPT USB3.0 TYPEA STACK R/A	2	J27, J28	Antenk Electronics	CU3F259D-12T02RB	Amphenol FCI	GSB4112312HR
55	J0000089	CONN M.2 EDGE E KEY DUAL FEMALE 67POS 0.020	1	J32	Antenk Electronics	AP-APCI0085-B	TE Connectivity	2199119-4
56	K0000006	FAN HEATSINK MOUNT 25MMx25MMx10MM 12V	1	K1			Sunon	MF25101V1-1000U-A99
57	L0000029	FIXED IND 470NH 20A 3.63 MOHM	1	L1			TDK Corporation	SPM6530T-R47M170
58	L0000016	FIXED IND 1UH 3.7A 42 MOHM SMD	5	L3, L4, L5, L9, L10	TAI-TECH	AHP252012RA-1R0DM	TDK Corporation	TFW525012ALV1R0DMTAA
59	L0000002	FIXED IND 2.2UH 2.3A 84 MOHM SMD	1	L7	TAI-TECH	AHP252012RA-2R2M	Murata Electronics	DFE3250329-2R2M#P2
60	Q0000002	M.2 SMD SPACER M2.5 SCREW	2	MK1, MK2			Pass Engineering	SMT50-M25-3ET
61	Q0000002	MOSFET P-CH 20V 3.7A SOT-23	3	Q1, Q7, Q9	Wayon	WM02P30M	Infineon Technologies	IRLML6402TRF8F
62	Q0000003	MOSFET 2N-CH 30V 0.22A SOT363	11	Q2, Q3, Q4, Q6, Q8, Q10, Q11, Q12, Q13, Q14, Q15			Diodes Inc	DMN630BLD-7
63	R0000043	RES ARRAY 4 RES 33 OHM 5% 0804	19	R1, R2, R3, R8, R9, R10, R14, R15, R16, R17, R18, R21, R23, R37, R45, R149, R152, R362, R363	Walsin	WR04X1002FTL	Panasonic Electronics Components	DXB-N8330IX
64	R0000024	RES SMD 10K OHM 1% 1/6W 0402	56	R4, R53, R76, R82, R114, R115, R116, R122, R123, R138, R140, R142, R159, R165, R168, R169, R178, R186, R191, R196, R197, R201, R208, R215, R216, R224, R227, R228, R230, R235, R236, R257, R258, R261, R262, R263, R264, R266, R267, R273, R274, R292, R299, R300, R302, R322, R328, R329, R332, R345, R350, R367, R395, R396, R397, R398	Walsin	WR04X1002FTL	Yageo	RC0402FR-0710KL
65	R00000139	RES SMD 2 OHM 1% 1/6W 0402	1	R5			Yageo	RC0402FR-072RL
66	R00000146	RES SMD 1 OHM 1% 1/6W 0402	1	R6			Yageo	RC0402FR-071RL
67	R00000012	RES SMD 100K OHM 1% 1/6W 0402	50	R7, R22, R36, R38, R41, R42, R44, R52, R54, R57, R63, R64, R67, R69, R73, R85, R86, R87, R88, R89, R90, R94, R128, R171, R173, R175, R179, R187, R195, R231, R238, R239, R242, R245, R247, R249, R279, R293, R330, R338, R349, R355, R356, R358, R359, R360, R383, R390, R425, R427	Walsin	WR04X1003FTL	Yageo	RC0402FR-07100KL
68	R00000044	RES SMD 33 OHM 1% 1/6W 0402	20	R11, R12, R13, R117, R118, R119, R144, R158, R333, R334, R335, R336, R337, R341, R365, R366, R368, R369, R370, R371	Walsin	WR04X33R0FTL	Yageo	RC0402FR-0733RL
69	R00000042	RES SMD 75 OHM 1% 1/6W 0402	5	R19, R154, R155, R156, R157	Walsin	WR04X75R0FTL	Yageo	RC0402FR-0775RL
70	R00000054	RES SMD 240 OHM 1% 1/6W 0402	9	R20, R109, R110, R120, R121, R124, R125, R126, R127	Walsin	WR04X240FTL	Yageo	RC0402FR-07240RL
71	R00000016	RES SMD 0.00HM JUMPER 1/6W 0402	95	R23, R33, R49, R50, R55, R56, R62, R66, R68, R75, R77, R78, R79, R81, R84, R91, R93, R95, R160, R162, R163, R167, R181, R188, R189, R190, R192, R198, R199, R200, R204, R205, R206, R207, R211, R220, R222, R223, R226, R233, R234, R243, R275, R				

73	R0000062	RES SMD 200 OHM 1% 1/16W 0402	1	R28	Walsin	WR04X2000FTL	Yageo	RC0402FR-07200RL
74	R0000050	RES SMD 49.9 OHM 1% 1/16W 0402	6	R29, R30, R31, R32, R61, R65	Walsin	WR04X49R9FTL	Yageo	RC0402FR-0749R9L
75	R0000142	RES SMD 30.1K OHM 1% 1/16W 0402	1	R43			Yageo	RC0402FR-0730K1L
76	R0000025	RES SMD 2K OHM 1% 1/16W 0402	6	R45, R46, R47, R48, R161, R170	Walsin	WR04X2001FTL	Yageo	RC0402FR-072KL
77	R0000040	RES SMD 47K OHM 1% 1/16W 0402	1	R51	Walsin	WR04X4702FTL	Yageo	RC0402FR-0747KL
78	R0000021	RES SMD 1M OHM 1% 1/16W 0402	3	R83, R150, R373	Walsin	WR04X1004FTL	Yageo	RC0402FR-071ML
79	R0000116	RES SMD 15K OHM 1% 1/16W 0402	1	R92			Yageo	RC0402FR-0715KL
80	R0000131	RES SMD 105K OHM 1% 1/16W 0402	1	R102			Yageo	RC0402FR-07105KL
81	R0000031	RES SMD 4.7K OHM 1% 1/16W 0402	12	R103, R104, R146, R147, R164, R202, R254, R255, R256, R271, R394, R419	Walsin	WR04X4701FTL	Yageo	RC0402FR-0747KL
82	R0000113	RES ARRAY 4 RES 33 OHM 0804 1% CONVEX	7	R105, R106, R107, R108, R111, R112, R113			Yageo	YC124-FR-0733RL
83	R0000041	RES SMD 39 OHM 1% 1/16W 0402	1	R148	Walsin	WR04X39R0FTL	Yageo	RC0402FR-0739RL
84	R0000019	RES SMD 1K OHM 1% 1/16W 0402	6	R183, R184, R209, R225, R283, R301	Walsin	WR04X1001FTL	Yageo	RC0402FR-071KL
85	R0000030	RES SMD 12.1K OHM 1% 1/16W 0402	4	R193, R194, R212, R272	Walsin	WR04X1212FTL	Yageo	RC0402FR-0712K1L
86	R0000091	RES SMD 200K OHM 1% 1/16W 0402	1	R219	Walsin	WR04X2003FTL	Yageo	RC0402FR-07200KL
87	R0000143	RES SMD 38.3K OHM 1% 1/16W 0402	2	R221, R286			Vishay Dale	CRCW40238K3FKED
88	R0000077	RES SMD 22K OHM 1% 1/16W 0402	1	R232	Walsin	WR04X2202FTL	Yageo	RC0402FR-0722KL
89	R0000092	RES SMD 35.7K OHM 1% 1/16W 0402	1	R241	Walsin	WR04X3572FTL	Stackpole	RMCF0402FT35K7
90	R0000144	RES SMD 133K OHM 1% 1/16W 0402	1	R284			Stackpole Electronics Inc	RMCF0402FT133K
91	R0000046	RES SMD 10 OHM 1% 1/16W 0402	3	R285, R288, R374	Walsin	WR04X10R0FTL	Yageo	RC0402FR-0710RL
92	R0000023	RES SMD 12K OHM 1% 1/16W 0402	2	R339, R340	Walsin	WR04X1202FTL	Yageo	RC0402FR-0712KL
93	R0000093	RES SMD 66.5K OHM 1% 1/16W 0402	1	R354	Walsin	WR04X6652FTL	Stackpole	RMCF0402FT66K5
94	R0000059	RES SMD 8.06K OHM 1% 1/16W 0402	1	R377	Walsin	WR04X8061FTL	Yageo	RC0402FR-07806KL
95	R0000035	Current Sense Resistor- SMD 1 Watt 0.001ohms 1%	6	R51, R53, R54, R56, R58, R59			Vishay Dale	WSK40611.1L000FEA
96	R0000027	RES SMD 0.2 OHM 1% 1/4W 0603	3	R52, R55, R57			Rohm Semiconductor	UCR03EVPFLR200
97	M0000020	SWITCH SLIDE DIP 5 SPST 100MA 20V	1	S2	Antenk Electronics	CDMR-05	CTS Electrocomponents	219-SMST
98	M0000003	SWITCH TACTILE SPST-NO RED 0.05A 12V	2	S4, S5	Antenk Electronics	TVDM04-F043CBF	C & K Components	PT5645SK435MTR92 LFS
99	M0000017	Audio Transformers / Signal Transformers Genesis 0-70C Mini 1G For Mini/Phy	1	T1			Halo Electronics	TG111-MSCE13LF
100	U0000097	IC SiFive U740 Quadcore Processor	1	U1			SiFive	FU740-C000
101	U0000084	IC OSC PCI EXPRESS GEN 3 -2 OUTPUT	1	U2			Silicon Labs	SI52112-B6-GM2
102	U0000190	IC TRNSLTR BIDIRECTIONAL 4 CHANNEL 14VQFN	2	U3, U4			Texas Instruments	TXB0104RGWR
103	U0000172	IC TRNSLTR BIDIRECTIONAL 8X2SON	1	U5			Texas Instruments	TXS0102DGER
104	U0000170	IC 4-Port USB 3.0 Hub	1	U6			Asmedia	ASM1074
105	U0000092	IC FLASH 1M SPI 104MHZ 8SP	3	U7, U29, U41			Macronix	MX25L1006EMI-10G
106	U0000189	IC REG LINEAR 3.3V 300M 4XDFN	1	U8			ON Semiconductor	NCP115CM0330TCG
107	U0000173	IC PCIE GEN 2.0 TO 2-PORT USB 3.0 XHCI CONTROLLER	1	U9			Asmedia	ASM1042A-48
108	U0000101	IC FLASH 256MBIT 1.8V SERIAL 1650K	1	U10			ISSI	IS25WP256D-RMLE
109	U0000083	IC SENSOR DIGITAL -40C-125C 8WSON	1	U11			Texas Instruments	TMP451AIDQFR
110	U0000153	IC SWITCH QUID SPDT 16TSSOP	1	U12			Texas Instruments	TS3A018PWR
111	U0000216	IC DDR4-2666 16Gb (D8) DDP 78-FBGA	8	U13, U14, U15, U16, U18, U19, U20, U21			SK Hynix Inc.	HSANAG8NCR-MVKC
112	U0000030	IC CONV DDR DDR2 DDR3 DDR4 10SON	1	U17			Texas Instruments	TPSS1200DRCR
113	U0000127	IC PWR SWITCH P-CHAN 1A 1.1 SOT25	4	U22, U43, U52, U56			Diodex Inc	AP2171WG-7
114	U0000217	IC Gigabit ETHERNET RGMII/RMII/GMII 68QFN	1	U23			Microsemi Solutions	V5C8541XMV-02
115	U0000215	IC REG BUCK ADJ 20A 40LQFN	1	U24			Texas Instruments	TPSS44820RVFR
116	U0000146	IC GATE AND 1CH 2-INP 5TSSOP	1	U25			Nesperia	74VLC1G08GW.125
117	U0000002	IC EEPROM 2K SPI 2MHZ SOT23-6	1	U26			Microchip Technology	93LC56BTJ/OT
118	U0000045	IC EEPROM 2KBIT 400KHZ 8TSSOP	1	U27			ST Microelectronics	M24C02-FDW6TP
119	U0000043	IC REG BUCK ADJ 2A SYNC 8WSON	1	U30			Texas Instruments	TLV62084DSGT
120	U0000120	IC PWR MGMT HOTSWAP 3-20V 16QFN	2	U31, U32			Texas Instruments	TPS25910RSAR
121	U0000089	IC TVS DIODE 3.6V 8.8V 10USON	4	U33, U34, U35, U34			Texas Instruments	TPD4E02B04DQAR
122	U0000152	IC System PMIC (6 bucks + 11 LDO)	1	U36			Dialog Semiconductor	D9A063-AEH02
123	U0000160	IC PWR SWITCH N-CHAN 1:1 X2 GA14WSON	1	U39	Anpec	APL3523AQBI	Texas Instruments	TPS22966DPIUR
124	U0000088	IC PCie Gen 3 Switch	1	U40			Asmedia	ASM8224
125	U0000001	IC USB Bridge: USB to UART, FIFO USB 2.0 UART Interface 64-LQFP	1	U48			FTDI	FT232RL-REEL
126	U0000058	IC TXRX USB 2.0 FLEXPIR 32QFN	1	U59			Microchip Technology	USB3230C-EZK
127	X0000024	XTAL OSC XO 1.0000MHZ CMOS SMD	1	X1	SIK Crystal	SIK-2N-1.000-1.6"-9.3-50-CJ	EPSON	SG-2105TF-1.0000ML
128	X0000019	MEMS OSC XO 26.0000MHZ LVCMOS	1	X2	SIK Crystal	SIK-3N-26.00-1.6"-3.3-50-CJ	Abracon	ASEMB-26.0000MHZ-L-T
129	X0000011	CRYSTAL 25.0000MHZ 10PF SMD	4	Y1, Y4, Y6, Y9	SIK Crystal	SIK-7U-25.00-10-30-80-B-30J	Epson	FA-238 25.0000MB-K3
130	X0000013	CRYSTAL 32.768KHZ 12.5PF SMD	1	Y2	SIK Crystal	SIK-6K3-32.768-12.5-20-70-C	Micro Crystal	CM7V-T1A-32.768KHZ-12.5PF-20PPM-TA-QC
131	X0000018	CRYSTAL 26.00 MHZ 9.0PF SMD	2	Y3, Y8	SIK Crystal	SIK-7U-26.00-9-10-60-B-10J	EPSON	TSX-3225 26.0000MF092-ACD
132	X0000020	CRYSTAL 20.0000MHZ 9PF SMD	1	Y5	SIK Crystal	SIK-7U-20.00-9-10-60-D-20J	EPSON	TSX-3225 20.0000MF20G-AC3
133	X0000004	CRYSTAL 12.0000MHZ 10PF SMD	1	Y7	SIK Crystal	SIK-7U-12.00-10-30-80-B-30J	Abracon LLC	ABM8G-12.000MHZ-84Y-T