

# HiFive Unmatched Bill of Materials

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Item #	Part Number	Description	Quantity	Designator	Mf 1	Mf 1 PN	Quantity	Mf 2	Mf 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	BT-MX-GD-R-CR1220A		Yageo	BCS015M-TR	
3	CD100004	CAP CER D. 1UF 16V X7R 0402	279	C1, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C70, C71, C72, C73, C74, C75, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, 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, C156, C157, C158, C159, C160, C161, C162, C163, C168, C169, C171, C172, C173, C174, C176, C177, C179, C180, C181, C182, C184, C185, C187, C188, C189, 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, C465, C470, C471, C472, C473, C491, C493, C495, C525, C526, C527, C528, C529, C530, C531, C532, C533, C534, C535, C536, C537, C538, C539, C540, C541, C542, C543, C544, C545, C546, C547, C548, C549, C550, C551, C552, C553, C554, C555, C556, C557, C558, C559	Walsin	0402B104K160CT	Murata Electronics	GRM155R60J475M4E7	Yageo	CC0402RXXR78B104
4	CD100023	CAP CER 4.7UF 6.3V X5R 0402	51	C2, C3, C4, C5, C6, C21, C22, C23, C26, C27, C28, C26, C27, C78, C79, C80, C81, C109, C104, C105, C106, C107, C113, C114, C115, C116, C117, C142, C147, C150, C155, C170, C175, C178, C183, C195, C201, C206, C209, C234, C217, C222, C234, C239, C284, C300, C318, C376, C434, C441, C446	Walsin	0402X475M6R3CT	Murata Electronics	GRM155R60J475M4E7		
5	CD100026	CAP CER 1UF 16V X5R 0402	56	C20, C68, C69, C184, C185, C186, C187, C186, C189, C190, C191, C192, C228, C229, C230, C231, C232, C233, C249, C251, C252, C254, C255, C253, C236, C327, C328, C329, C330, C331, C332, C336, C337, C343, C382, C432, C486, C497, C498, C499, C500, C501, C502, C503, C504, C505, C506, C511, C512, C513, C514, C515, C516, C517, C518, C519	Walsin	0402X105K160CT	Samsung Electro-Mechanics	C105A105K05NNNC		
6	CD100033	CAP CER 10UF 10V X5R 0603	30	C24, C25, C28, C30, C51, C52, C193, C194, C198, C199, C200, C258, C263, C265, C274, C339, C354, C355, C356, C385, C428, C433, C489, C561, C564, C566, C612, C613, C622	Walsin	0603X106K100CT	Murata Electronics	GRM188R61A106KE69D		
7	CD100035	CAP CER 18PF 50V CGO/NPO 0402	8	C59, C60, C100, C101, C275, C276, C454, C455	Walsin	0402N180J500CT	Murata Electronics	GRM1555C1H180JA01D		
8	CD100032	CAP CER 12PF 50V NPO 0402	2	C417, C418	Walsin	0402N120J500CT	Murata Electronics	GRM1555R1H120JA01D		
9	CD100040	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, C316, C366, C397, C399, C400, C402, C403, C404, C405, C406, C409, C410, C411, C412, C413, C414, C415, C417, C421, C422, C440, C443, C444, C448, C450, C460, C462, C464, C465, C466, C467, C468, C474, C475, C476, C477, C478, C480, C482, C484, C486, C488, C490, C492	Walsin	0402B224K160CT	Samsung Electro-Mechanics	C105B224K05NNNC		
10	CD100018	CAP CER 1000PF 50V CGO/NPO 0402	1	C24	Walsin	0402N101J500CT	Murata Electronics	GRM1555C1H101JA01D		
11	CD100014	CAP CER 1000PF 50V X7R 0402	7	C102, C382, C342, C369, C453, C548, C609	Walsin	0402B103K500CT	Murata Electronics	GRM155R71H103KA88D		
12	CD100024	CAP CER 1000PF 50V CGO/NPO 0402	2	C196, C247	Walsin	0402N102J500CT	Murata Electronics	GRM1555C1H102JA01D		
13	CD100015	CAP CER 10UF 25V X5R 0805	1	C248	Walsin	0805X10K250CT	Murata Electronics	GRM218R6110K250CT		
14	CD100029	CAP CER 1000PF 2KV X7R 1206	2	C281, C282	Walsin	1206R102K202CT	Johnson Dielectrics Inc	202R18W120KV4E		
15	CD100062	CAP CER 4.7UF 5V X5R 0805	3	C192, C293, C487	Walsin	0805X475M5R3CT	Samsung Electro-Mechanics	C121A475M5R3LQNC		
16	CD000005	CAP ALUM 47UF 20% 16V SMD	5	C295, C296, C296, C334, C335	Walsin	0805X475M5R3CT	Nichicon	1UW7C47MMLG6S		
17	CD100056	CAP CER 2.2UF 10V X5R 0402	13	C321, C322, C324, C325, C349, C350, C351, C352, C360, C361, C363, C364, C617	Walsin	0402X225M100CT	Taiyo Yuden	1MK105B225M-F		
18	CD000006	CAP ALUM 100UF 20% 16V SMD	7	C333, C423, C426, C439, C560, C565, C588	Walsin	0805X475M5R3CT	Panasonic	EEEHC1C101XP		
19	CD100051	CAP CER 47UF 6.3V X5R 0805	10	C338, C340, C344, C345, C447, C356, C359, C379, C380, C388	Walsin	0805X475M6R3CT	Murata Electronics	GRM188R60J476M615L		
20	CD100041	CAP CER 22UF 10V X5R 0603	21	C341, C346, C348, C352, C353, C469, C507, C508, C509, C510, C520, C521, C522, C523, C524, C529, C539, C601, C610, C611, C628	Walsin	0603X226M100CT	Samsung Electro-Mechanics	C110A226MPCNBE		
21	CD100048	CAP CER 0.047UF 16V X7R 0402	1	C367	Walsin	0402B473K160CT	Samsung Electro-Mechanics	C105B473K05NNNC		
22	CD100005	CAP CER 0.47UF 5V X5R 0402	1	C368	Walsin	0402X473K160CT	Murata Electronics	GRM155R60J473KE9D		
23	CD100038	CAP CER 15PF 50V CGO/NPO 0402	4	C370, C387, C623, C624	Walsin	0402N150J500CT	Yageo	CC0402RNP09N150		
24	CD100072	CAP CER 2200PF 50V X7R 0402	1	C452	Walsin	0402N220K500CT	Murata Electronics	GRM155R71H220KA37D		
25	CD100068	CAP CER 1000UF 6.3V X5R 1206	5	C457, C463, C479, C481, C483	Walsin	1206R1000K500CT	Samsung Electro-Mechanics	C131A1070MGNHNE		
26	CD000008	CAP ALUM POLY 560UF 20% 2V SMD	1	C459	Walsin	0805X560K202CT	Panasonic Electronic Components	EEF-GX0560R		
27	CD100039	CAP CER 2.2UF 10V X5R 0603	1	C485	Walsin	0603X225K160CT	Samsung Electro-Mechanics	C105A225K05NNNC		
28	CD100042	CAP CER 10PF 50V CGO/NPO 0402	1	C494	Walsin	0402N10J500CT	Murata Electronics	GRM1555C1H10JA01D		
29	CD100073	CAP CER 330PF 50V X7R 0402	1	C532	Wurth Elektronik	8.5012E+11	Walsin	0402B33K500CT		
30	CD000007	CAP ALUM 47UF 20% 2V SMD	4	C605, C606, C607, C608	Walsin	0805X475M5R3CT	Panasonic	EEEHC1E470XP		
31	CD000013	TVS Diode 24VWM 45VClamp	4	D1, D4, D17, D21	Wayon	WEP240RFP002	Littelfuse	PESD060-240		
32	CD000005	LED RGB DIFFUSED CHIP 0505 SMD	1	D02	Wayon	WEP240RFP002	Lite-on Inc.	1TST-C19H21WT		
33	CD000001	DIODE GEN PURP 90V 125MA SOD523	1	D03	KEL	1N4148WT	Diodes Incorporated	1N4148WT		
34	CD000012	TVS DIODE 5.0V SOT143B	6	D05, D6, D7, D8, D10, D11	Wayon	WEP05R	Nexperia	PR18VSU02X.215		
35	CD000006	LED GREEN CLEAR 0603 SMD	10	D09, D12, D13, D14, D15, D16, D18, D19, D20, D22	Wayon	WEP06R	Lite-on Inc.	1TST-C19DGKT		
36	CD000005	HERMETIC BEAD 120 OHM SMD3 1LN	8	F81, F82, F83, F84, F85, F86, F88, F89	Walsin	WL801608HC1U21TH	Murata	BLM18952121TN1D		
37	HD000004	HEATSHRINK F1740-C003 2.7327MMX19.5MM WITHOUT FIN	1	F87	Radian	HM2700-20-1W/2-1BU	ATS	ATS-115708-C-ND		
38	HD000002	HEATSHRINK ASM42824 21X21MM 1.4MM	1	H52	Radian	HM421001-31W/2-60+7Z5	Radian	HM421001-31W/2-60+7Z5		
39	JD000100	CONN HEADER VERT 8POS 1.27MM TH	3	J3, J30, J31	Antenk Electronics	PHC507-08-GO-D-0300-0180-B-B-H2	Adam Tech	HPH2-4-08-UL		
40	JD000028	MICRO SD PUSH/PUSH SMALL BC 9 (8+1)	1	J5	Antenk Electronics	PHC507-08-GO-D-0300-0180-B-B-H2	Molex, LLC	S033981892		
41	JD000049	CONN HEADER SMD 10POS 1.27MM SHROUDED 2X5	1	J6	Antenk Electronics	BHAM01-10G08BWA	CNC Tech	3221-10-0300-00		
42	JD000097	CONN HEADER VERT 2POS 2.54MM	1	J8	Antenk Electronics	PH3501-02-GO-D-0600-0300-A-B-H1	Sullins Connector Solutions	PHR020548M-RC		
43	JD000029	CONN MOD JACK 8PBC R/A/SHELDEN	1	J13	Antenk Electronics	PH3501-02-GO-D-0600-0300-A-B-H1	Amphenol Commercial Products	RUISE-5384		
44	JD000054	CONN PCI EXP FEMALE 164POS 0.03E3	1	J14	Antenk Electronics	PCI-164GD4020	Amphenol FCI	10018783-10103TLF		
45	JD000119	CONN RCTP USB2.0 MICRO B SMD 2MM	1	J15	Antenk Electronics	YF-M485-011B	Antenk Electronics	YF-M485-011B		
46	JD000063	CONN HEADER VERT 24POS 4.2MM	1	J16	Antenk Electronics	AW402V27-2*12P	Amphenol ILL	10127820-242Z1F		
47	JD000011	CONN HEADER VERT 2POS 2.54MM BEHS 1x2 TH	2	J18, J19	Antenk Electronics	PH3501-02-GO-D-0600-0300-A-B-H1	Sullins Connector Solutions	PHR020548M-RC		
48	JD000059	CONN M.2 EDGE M KEY DUAL FEMALE 67POS.020	1	J21	Antenk Electronics	AP-APC0079-P	TE Connectivity	1-2199119-5		
49	JD000064	CONN HEADER VERT 10POS 2.54MM	1	J20	Antenk Electronics	PH3501-10-GO-D-0600-0300-A-B-H1	Sullins Connector Solutions	PHR0050AAN-RC		
50	JD000116	CONN HEADER VERT 2POS 2.54MM FAN	1	J21	Antenk Electronics	AW2543VA02P	Molex, LLC	22232021		
51	JD000026	2x10 CONN HEADER 2MM SMD AU 20POS	1	J22	Antenk Electronics	PHDM05-20-GO-D-0400-0075-0650-B-W-H1	Harwin Inc	M22-5321005		
52	JD000034	CONN HEADER VERT 2POS 2.54MM FAN	2	J23, J24	Antenk Electronics	AW2543VA03P	Molex, LLC	22232031		
53	JD000074	CONN HEADER VERT 2POS 2.54MM	1	J26	Antenk Electronics	PH3501-05-GO-D-0600-0300-A-B-H1	Amphenol FCI	68002-205HFL		
54	JD000058	CONN RCTP USB2.0 TYPEA STACK R/A	2	J27, J28	Antenk Electronics	CUB25R12D1T02RB	Amphenol FCI	GS841121312HR		
55	JD000089	CONN M.2 EDGE E KEY DUAL FEMALE 67POS 0.020	1	J32	Antenk Electronics	AP-APC0085-B	TE Connectivity	2199119-4		
56	KD000006	FAN DC 25x25MM 12VDC 3.0CFM 0.6W 26dBA 14000RPM	1	K1	Antenk Electronics	AP-APC0085-B	Samon	SM25100V-1400DC-409		
57	LD000029	FIXED IND 470NH 20A 3.63 MOHM	1	L1	TDK Corporation	ALP252012R8A1R0M	TDK Corporation	SPM6530T-8R7M170		
58	LD000016	FIXED IND 1UH 3.7A 42 MOHM SMD	5	L3, L4, L5, L9, L10	TAI-TECH	AHP252012R8A1R0M	TDK Corporation	FFM252012ALVA180MTAA		
59	LD000002	FIXED IND 2.2UH 2.2A 8 MOHM SMD	1	L7	TAI-TECH	AHP252012R8A1R0M	Murata Electronics	FE252012P2R2M-P2		
60	RD000002	M.2 SMD SPALNER M.2 SCHMIDT	2	MK1, MK2	Antenk Electronics	AP-APC0085-B	Penn Engineering	SMTM2-M05-2E1		
61	RD000005	AKTIC M4-1 2018 EDITION THERMAL COMPOUND	1	PS1	Antenk Electronics	AP-APC0085-B	Arctic	AKTIC-P000203-2019		
62	QD000002	MOSFET P-CH 20V 3.7A SOT-23	3	Q1, Q7, Q9	Wayon	WEP2903DM	Infineon Technologies	IRLML6427RFP		
63	QD000003	MOSFET 2N-CH 30V0 22A SOT23	11	Q2, Q3, Q4, Q6, Q8, Q10, Q11, Q12, Q13, Q14, Q15	Wayon	WEP2903DM	Diodes Inc	DMN630BLD-7		
64	RD000043	RES ARRAY 4 RES 33 OHM 5% 0804	19	R1, R2, R3, R8, R9, R10, R14, R15, R16, R17, R18, R21, R35, R37, R45, R49, R50, R52, R53, R55, R57, R59, R61, R62, R63, R65, R66, R67, R68, R69, R90, R94, R128, R171, R173, R175, R179, R187, R195, R231, R238, R239, R242, R245, R247, R249, R279, R293, R310, R338, R349, R355, R356, R358, R359, R360, R383, R390, R425, R427	Walsin	WR04X1002FLT	Yageo	RC0402RFR072RL		
65	RD000024	RES SMD 10K OHM 1% 1/76W 0402	56	R4, R53, R76, R82, R134, R135, R116, R122, R123, R138, R140, R142, R159, R165, R168, R169, R178, R186, R191, R196, R197, R201, R208, R215, R216, R218, 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	WR04X1002FLT	Yageo	RC0402RFR0710KL		
66	RD000139	RES SMD 2 OHM 1% 1/76W 0402	1	R5	Walsin	WR04X1002FLT	Yageo	RC0402RFR072RL		
67	RD000146	RES SMD 1 OHM 1% 1/76W 0402	1	R6	Walsin	WR04X1002FLT	Yageo	RC0402RFR071RL		
68	RD000012	RES SMD 100K OHM 1% 1/76W 0402	50	R7, R72, R86, R88, R81, 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, R310, R338, R349, R355, R356, R358, R359, R360, R383, R390, R425, R427	Walsin	WR04X1003FLT	Yageo	RC0402RFR07100KL		
69	RD000									

72	R0000016	RES SMD 0.00HM JUMPER 1/16W 0402	98	R23, R33, R49, R50, R55, R56, R62, R66, R68, R75, R77, R78, R79, R81, R84, R91, R93, R95, R160, R162, R163, R167, R188, R189, R190, R191, R192, R195, R200, R204, R205, R206, R207, R211, R220, R222, R223, R226, R233, R234, R243, R275, R276, R277, R278, R280, R287, R291, R294, R296, R297, R298, R304, R305, R306, R307, R310, R311, R312, R313, R314, R315, R316, R317, R320, R321, R324, R325, R326, R327, R331, R336, R337, R342, R346, R348, R351, R353, R370, R371, R376, R378, R380, R384, R385, R386, R387, R389, R391, R399, R400, R404, R405, R406, R408, R424, R426, R428	Walsin	WR04X000FTL	Yageo	RC0402FR-0730RL
73	R0000026	RES SMD 330 OHM 1% 1/16W 0402	13	R27, R58, R59, R60, R151, R153, R244, R246, R281, R282, R382, R392, R393	Walsin	WR04X330FTL	Yageo	RC0402FR-0730RL
74	R0000062	RES SMD 200 OHM 1% 1/16W 0402	1	R28	Walsin	WR04X200FTL	Yageo	RC0402FR-07200RL
75	R0000050	RES SMD 49.9 OHM 1% 1/16W 0402	6	R29, R30, R31, R32, R61, R65	Walsin	WR04X499FTL	Yageo	RC0402FR-07499RL
76	R0000142	RES SMD 30.1K OHM 1% 1/16W 0402	1	R43	Walsin	WR04X30K1FTL	Yageo	RC0402FR-0730K1L
77	R0000025	RES SMD 2K OHM 1% 1/16W 0402	6	R45, R46, R47, R48, R161, R170	Walsin	WR04X200FTL	Yageo	RC0402FR-0724L
78	R0000040	RES SMD 47K OHM 1% 1/16W 0402	1	R51	Walsin	WR04X47KFTL	Yageo	RC0402FR-0747KL
79	R0000021	RES SMD 1M OHM 1% 1/16W 0402	3	R83, R150, R373	Walsin	WR04X1004FTL	Yageo	RC0402FR-071ML
80	R0000116	RES SMD 15K OHM 1% 1/16W 0402	1	R92	Walsin	WR04X15KFTL	Yageo	RC0402FR-0715KL
81	R0000131	RES SMD 105K OHM 1% 1/16W 0402	1	R102	Walsin	WR04X105KFTL	Yageo	RC0402FR-07105KL
82	R0000051	RES SMD 4.7K OHM 1% 1/16W 0402	12	R103, R104, R146, R147, R164, R202, R254, R255, R256, R271, R394, R419	Walsin	WR04X47KFTL	Yageo	RC0402FR-074K7L
83	R0000113	RES ARRAY 4 RES 33 OHM 0804 1% CONVEX	7	R105, R106, R107, R108, R111, R112, R113	Walsin	WR04X33R0FTL	Yageo	VC124-FR-0733RL
84	R0000041	RES SMD 39 OHM 1% 1/16W 0402	1	R148	Walsin	WR04X39R0FTL	Yageo	RC0402FR-0739RL
85	D0000026	DIODE SCHOTTKY 30V 100MA 0402	2	R180, R181	Walsin	WR04X30V1FTL	Cornchip Technologies	C080801 30V-HF
86	R0000019	RES SMD 1K OHM 1% 1/16W 0402	6	R183, R184, R209, R225, R283, R301	Walsin	WR04X1001FTL	Yageo	RC0402FR-0714L
87	R0000030	RES SMD 12.1K OHM 1% 1/16W 0402	4	R193, R194, R212, R272	Walsin	WR04X1212FTL	Yageo	RC0402FR-0712K1L
88	R0000091	RES SMD 200K OHM 1% 1/16W 0402	1	R219	Walsin	WR04X200KFTL	Yageo	RC0402FR-07200KL
89	R0000143	RES SMD 38.3K OHM 1% 1/16W 0402	2	R221, R286	Walsin	WR04X383KFTL	Vishay Dale	CRCW0402383KFXED
90	R0000077	RES SMD 22K OHM 1% 1/16W 0402	1	R232	Walsin	WR04X22KFTL	Yageo	RC0402FR-0722KL
91	R0000092	RES SMD 35.7K OHM 1% 1/16W 0402	1	R241	Walsin	WR04X357FTL	Stackpole	RMC0402F735K7
92	R0000144	RES SMD 133K OHM 1% 1/16W 0402	1	R284	Walsin	WR04X133KFTL	Stackpole Electronics Inc	RMC0402F733K
93	R0000046	RES SMD 10 OHM 1% 1/16W 0402	3	R285, R288, R374	Walsin	WR04X10R0FTL	Yageo	RC0402FR-0710RL
94	R0000023	RES SMD 12K OHM 1% 1/16W 0402	2	R339, R340	Walsin	WR04X12KFTL	Yageo	RC0402FR-0712KL
95	R0000093	RES SMD 66.5K OHM 1% 1/16W 0402	1	R354	Walsin	WR04X6652FTL	Stackpole	RMC0402F736K5
96	R0000059	RES SMD 8.06K OHM 1% 1/16W 0402	1	R377	Walsin	WR04X8061FTL	Yageo	RC0402FR-073806L
97	R0000035	Current Sense Resistors - SMD 1.5Watt 0.001ohms 1%	6	R51, R53, R54, R56, R58, R59	Antenk Electronics	CDMR-05	Vishay Dale	WSK060512L000FEA
98	R0000027	RES SMD 0.2 OHM 1% 1/4W 0603	3	R52, R55, R57	Antenk Electronics	CDMR-05	Rohm Semiconductor	UCR03EVPFL2000
99	M0000020	SWITCH SLIDE DIP 5 SPST 100MA 20V	1	S2	Antenk Electronics	CDMR-05	CTS Electronics	219-SM5T
100	M0000003	SWITCH TACTILE SPST-NO RED 0.05A 12V	2	S4, S5	Antenk Electronics	YVDM04-F04 3CBF	C & K Components	P156455K4 35MT892 LFS
101	M0000017	Audio Transformers / Signal Transformers Genuus 0-70C Mini 1G1 For Mini-Phy	1	T1			Halo Electronics	TS114-MSC13 3LF
102	U0000097	IC SiFive U740 Quadcore Processor	1	U1			SiFive	FU740-C000
103	U0000084	IC OSC PCI EXPRESS GEN3 - 2 QUTPUT	1	U2			Silicon Labs	SI52112-B6-GM2
104	U0000190	IC TRNSLTR BIDIRECTIONAL 4 CHANNEL 14VQFN	2	U3, U4			Texas Instruments	TXB0104RGYR
105	U0000172	IC TRNSLTR BIDIRECTIONAL 8X50SN	1	U5			Texas Instruments	TSX0102QGR
106	U0000170	IC 4-Port USB 3.0 Hub	1	U6			Armedia	ASM074
107	U0000092	IC FLASH 1M SPI 104MHZ 850P	3	U7, U29, U41			Macronix	MX25L1006EM-10G
108	U0000189	IC REG LINEAR 3.3V 300MA 4XDFN	1	U8			ON Semiconductor	NCP115CMX330TCG
109	U0000173	IC PCIE GEN 2.0 TO 2-PORT USB 3.0 XHCI CONTROLLER	1	U9			Armedia	ASM1042A-4B
110	U0000101	IC FLASH 256MBIT 1.8V SERIAL 1650C	1	U10			ISSI	IS25WP2560-RMEL
111	U0000083	IC SENSOR DIGITAL 40C 125C 8WSON	1	U11			Texas Instruments	TMP451AIDGQR
112	U0000153	IC SWITCH QUAD SPDT 16TSSOP	1	U12			Texas Instruments	TS3A018PWR
113	U0000216	IC DDR4-2666 16Gb (2x8) DDP 78-FBGA	8	U13, U14, U15, U16, U18, U19, U20, U21			SK Hynix Inc.	HSANAGENCNR-VXC
114	U0000030	IC CONV DDR DDR2 DDR3 DDR4 1050N	1	U17			Texas Instruments	TPPS1200DRCR
115	U0000127	IC PWR SWITCH P-CHAN 1.1 1.2 5075	4	U22, U43, U52, U56			Diodes Inc	AP2112W07J
116	U0000217	IC Gigabit ETHERNET RGMII/RMII/GMII 68QFN	1	U23			Microsemi Solutions	V5C8541XMM-02
117	U0000215	IC REG BUCK ADJ 20A 40LQFN	1	U24			Texas Instruments	TPPS44820RWR
118	U0000146	IC GATE AND 1CH 2-IMP 5TSSOP	1	U25			Neperia	74VLC1608GW.125
119	U0000002	IC EPROM 2K SPI 2MHZ SOT23-6	1	U26			Microchip Technology	93LC568F-IJOT
120	U0000045	IC EPROM 4KBIT 4000KHZ 8TSSOP	1	U27			STMicroelectronics	M24C02-15W67P
121	U0000043	IC REG BUCK ADJ 2A SYNC 6WSON	1	U30			Texas Instruments	TLV6208405GT
122	U0000120	IC PWR MGMT HOTSWAP 3-20V 16QFN	2	U31, U32			Texas Instruments	TPS25910SAR
123	U0000089	IC TVS DIODE 3.6V 8.8V 10USON	4	U33, U34, U35, U34			Texas Instruments	TPD4E02B04DQAR
124	U0000152	IC System PMIC 60 Buck+ 11 LQFN	1	U36			Dialog Semiconductor	DA9063-AH02
125	U0000160	IC PWR SWITCH P-CHAN 1.1 1.2 6A14WSON	1	U39	Angip	APL3523AG0B	Texas Instruments	TPS22960DQR
126	U0000088	IC PCIe Gen 3 Switch	1	U40			Armedia	ASM2824
127	U0000001	IC USB Bridge, USB to UART, FIFO USB 2.0 UART interface 64-LQFP	1	U48			FTDI	FT232RL-REEL
128	U0000068	IC TXRX USB 2.0 FLEXWR 32QFN	1	U59			Microchip Technology	USB320C-EXZ
129	X0000024	XTAL OSC XO 1.0000MHZ CMOS SMD	1	X1	SiK Crystal	SIK-3N-1.00-1.0-3-50-CJ	EPSON	56-2105T-1.0000ML
130	X0000019	MEMS OSC XO 26.0000MHZ LCMOS	1	X2	SiK Crystal	SIK-3N-26.00-1.0-3-50-CJ	Abraco	AS589-26.0000MLZ-1
131	X0000011	CRYSTAL 25.0000MHZ 10PF SMD	4	X3, X4, X6, X9	SiK Crystal	SIK-7U-25.00-10-30-80-B-300	Epson	FA-338-25.0000MB-K3
132	X0000013	CRYSTAL 32.7680 KHZ 12.5PF SMD	1	X2	SiK Crystal	SIK-6K3-32.768-12.5-20-70-C	Micro Crystal	CMTY-T1A-32.768KHZ-12.5PF-20PPM-TA-QC
133	X0000018	CRYSTAL 26.00 MHZ 9.0PF SMD	2	X3, X8	SiK Crystal	SIK-7U-26.00-9-10-60-B-10J	EPSON	TSX-3225-26.0000MF09Z-ACD
134	X0000020	CRYSTAL 20.0000MHZ 9PF SMD	1	X5	SiK Crystal	SIK-7U-20.00-9-10-60-D-20J	EPSON	TSX-3225-20.0000MF20G-AC3
135	X0000004	CRYSTAL 12.0000MHZ 10PF SMD	1	X7	SiK Crystal	SIK-7U-12.00-10-30-80-B-300	Abraco LLC	ABM86-12.0000MLZ-B4-Y1