

Storm116 BOM

NO.	Material NO.	Material Description	Qty	Value	
1	02.016.0185	Storm116 MAINBOARD PCB-SPCB-Storm116-MAINBOARD-L6-V3.0.0	1		
2	02.002.0089	CAP-SMT-COG-100PF-+/-5%-50V-0402	1	100pF	C189
3	02.002.0192	CAP-SMT-COG-15PF-+/-5%-50V-0402	6	15pF	C173 C9 C58 C172
4	02.002.0077	CAP-SMT-COG-18PF-+/-5%-50V-0402	2	18pF	C119-120
5	02.002.0206	CAP-SMT-COG-2.7pF-+/-0.25pF-50V-0402	7	2.7pF	C166-167 C175 C182 C184-186
6	02.002.0099	CAP-SMT-COG-22PF-+/-5%-50V-0402	3	22pF	C171 C199
7	02.002.0088	CAP-SMT-COG-33PF-+/-5%-50V-0402	10	33pF	C121 C146 C152 C196 C200-201 C216 C254 C303 C174
8	02.002.0195	CAP-SMT-X5R-0.1uF-+/-10%-16V-0402	1	0.1uF	C331
9	02.002.0182	CAP-SMT-X5R-100nF-+/-20%-10V-0402	88	100nF	C3-5 C7 C11-15 C18 C20 C22 C26- 27 C29-30 C35-36 C40-41 C46-47 C67 C93-94 C96-97 C99 C101 C105 C108 C110-111 C116-117 C122 C128 C130 C132-134 C144-145 C158 C160-165 C169-170 C188 C194 C198 C208-209 C211 C226- 231 C262 C264 DC1 DC5-8 DC21 DC23-24 DC27-28 HR1 C126 C131 C147 DC12-14 DC18-20 DC26 DC42
10	02.002.0073	CAP-SMT-X5R-10uF-+/-20%-16V-0805	3	10uF	C16 C49 C55

11	02.002.0146	CAP-SMT-X5R-10uF-+/-20%-6.3V-0603	44	10uF	C6 C23 C28 C32 C37 C43 C50 C53 C56-57 C59 C61 C63-66 C68-72 C80 C82 C88 C109 C112 C159 C168 C190 C202 C206 C234 C263 C265- 270 C272-273 DC2 DC9 DC15
12	02.002.0179	CAP-SMT-X5R-10uF-+/-20%-25V-0805	1	10uF	C54
13	02.002.0160	CAP-SMT-X5R-1uF-+/-20%-10V-0402	39	1uF	C8 C25 C31 C33-34 C38-39 C44-45 C51 C73 C79 C95 C98 C100 C102-103 C106-107 C113 C115 C151 C155 C238 C244 DC3-4 C17 C19 C21 C24 DC10- 11 DC16-17 DC22 DC25 DC40-41
14	02.002.0196	CAP-SMT-X5R-2.2uF-+/-20%-6.3V-0402	5	2.2uF	C123 C129 C135 C154 C197
15	02.002.0168	CAP-SMT-X5R-22uF-+/-20%-6.3V-0603	1	22uF	C157
16	02.002.0187	CAP-SMT-X5R-4.7uF-+/-20%-10V-0603	21	4.7uF	C10 C74-78 C81 C83 C89-90 C104 C114 C153 C212 C271
17	02.002.0084	CAP-SMT-X7R-0.022uF-+/-10%-16V-0402	4	0.022uF	C125 C143 C150 C183
18	02.002.0109	CAP-SMT-X7R-4.7nF-+/-10%-50V-0402	1	4.7nF	C52
19	02.009.0240	CON-Others-5pin-1.25mm-11.7*5.5*1.85mm	1	1.25-5P	J18
20	02.009.0250	CON-OTHERS-CHARGER_CONNECTOR-10*7*3	1	DC-056C08	J5
21	02.009.0194	CON-Earphone_jack-EARCON-5PIN-3.5mm-12*8.1*4.2mm	1	PJK-3550-35XK	J14
22	02.009.0242	CON-I/O-USB-5PIN-A01SB12411B23-165-6.25*7.4*2.35	1	A01SB12411B23-165	J15
23	02.009.0243	CON-OTHERS-HDMI_CONNECTOR-D_TYPE-19pin-0.4mm-7.5*6.5*3.0mm	1	SHD-19F031	CON1
24	02.009.0275	CON-Positions_Pogo-1Pin-Φ2.0*2.5	6	SPR00-250825PN02	TP2 TP8 TP14-17

25	02.009.0252	CON-SOCKET_FPC_FLIP-10Pin-0.5mm-9.1*4.5*1.5	1	FPC0515-10B2-S3R	CN7
26	02.009.0247	CON-SOCKET_FPC_FLIP-12Pin-0.5mm-10.1*4.5*1.5	1	SFC-0512-00H15	CN2
27	02.009.0175	CON-SOCKET_FPC_FLIP-30Pin-0.5mm-19.1*5.0*1.5	1	FPC30-T1T1-2021-A	CN1
28	02.009.0248	CON-SOCKET_FPC_FLIP-40Pin-0.4mm-10.1*5*1.0	1	24-5805-040-001-829+	CN5
29	02.009.0251	CON-SOCKET_FPC_FLIP-8Pin-0.5mm-8.1*4.5*1.5	1	FPC0515-08B2-S3R	CN6
30	02.009.0258	CON-SOCKET_TF-9pin-11.25*6.2*1.65MM	1	ZLJTFDK	CN4
31	02.008.0029	CRYSTAL-CRYSTAL-24MHZ-12PF-+/-10ppm-3.2*2.5*0.65mm	1	24MHz	X3
32	02.008.0030	Crystal-CRYSTAL-32.768K-12.5PF-+/-20ppm-1.5*1.5*7.0	1	32.768KHZ	X4
33	02.008.0028	CRYSTAL-CRYSTAL-40MHZ-15PF-10ppm-3.2*2.5*0.8	1	40MHz	U19
34	02.006.0076	TRANSISTOR-TVS-ESD-4Channel-5V-0.35pF-DFN10	2	TEVA0R4V05D4X	U2-3
35	02.011.0020	Shield Clip-PTC0703B-6.5*0.8*1.28	9	PTC0703B	J1-2 J4 J6-8 J11-13
36	02.005.0017	IC-AUDIO-AMPLIFIER-5V-1.3W-5.1mm*3mm*1.2mm-MSOP-8	2	NS4890	U13 U32
37	02.004.0251	IC-CPU-A83T-A7-1.8GHz-14*14mm-FBGA345	1	A83T	U1
38	02.004.0222	IC-Others-Current_Limiter-2.5_5.5V-1A-SOT23-5	2	AP1621C	U10 U7
39	02.004.0182	IC-FLASH-DDR3-256MByte-1.5V-11*7.5*1.1-FBGA78	4	256MB	DU7-10
40	02.004.0316	IC-Driver-WHITE_LED-2.5_5.5V-OVP36V-SOT23-6	1	HE3806	U6
41	02.004.0223	IC-FLASH-NAND-8GByte-3.3V-16nm-12*20-TSOP48	2	8GB	U4 U18
42	02.004.0276	IC-OTHERS-HALL_SENSOR-2.4_5.5V-DFN1616_6L	1	OCH175VAD	U5
43	02.021.0327	ACCESSORY-MIC-OMNI-45+/-1.5dB-1.25*4.72*3.76-SMD	1	MULPS4CX	MIC1

44	02.004.0252	IC-POWER-AXP813-PMU_CODEC-11*11mm-BGA218	1	AXP813	U28
45	02.004.0206	IC-POWER_SUPPLY-DC_DC-5V-1A-SOT23-6	1	HE2104	U8
46	02.004.0219	IC-RF-RTL8723BS-VQ0-CG-WIFI_BT_SOLUTION-3.3V-8*8*0.85mm-QFN	1	RTL8723BS-VQ0-CG	U17
47	02.004.0128	IC-SENSOR-Accelerometer-1.2-3.6V-2*2*0.95mm-LGA12	1	BMA223	U14
48	02.012.0018	IND-FERRITE BEAD-220ohm-300mA-0.35ohm-0402	9	220	FB1-4 FB9-10 L8 R86-87
49	02.003.0086	IND-Others-SMD-Power-10uH+/-20%-4.0*4.0*1.8	2	10uH	L4 L9
50	02.003.0104	IND-Others-SMD-Power-1.0uH+/-30%-2A-3.0*3.0*1.5	3	1uH	L1 L6-7
51	02.003.0101	IND-Others-SMD-Power-1uH+/-30%-3.2A-4.0*4.0*1.8	4	1uH	L2-3 L5 L11
52	02.003.0078	RES-SMT-EMI-2Channel-90ohm-100mA-4ohm-1.25*1.0*0.8mm	2	TF1210A2X900MT	U9 U11
53	02.001.0043	RES-SMT-FILM-0-±5%-1/10W-0603	1	0	R79
54	02.001.0015	RES-SMT-FILM-0-±5%-1/16W-0402	33	0	HR4 R1 R10-11 R21-22 R26 R31 R38 R51 R56-57 R62 R66-67 R70-71 R81 R85 R88 R96 R102 R105 R123-124 R138-139 R149 R152-153 R325-326 R331
55	02.001.0146	RES-SMT-FILM-0+/-5%-1/4W-1206	1	0	R885
56	02.001.0060	RES-SMT-FILM-0+/-5%-1/8W-0805	1	0	R77
57	02.001.0215	RES-SMT-FILM-0.01+/-1%-1/4W-0805	1	0.01	R15
58	02.001.0217	RES-SMT-FILM-1+/-1%-1/16W-0402	1	1	R58
59	02.001.0133	RES-SMT-FILM-1.8K+/-5%-1/16W-0402	2	1.8K	R17 R37
60	02.001.0020	RES-SMT-FILM-100+/-5%-1/16W-0402	1	100	DR8

61	02.001.0016	RES-SMT-FILM-100K-+/-5%-1/16W-0402	18	100K	R3 R46-47 R53 R60-61 R104 R126 R129 R133-134 R136-137 R140
62	02.001.0044	RES-SMT-FILM-10K-±5%-1/10W-0603	2	10K	R18 R35
63	02.001.0021	RES-SMT-FILM-10K-+/-5%-1/16W-0402	22	10K	HR3 HR5 HR23 HR26 R2 R24 R27 R30 R39-40 R42 R48-49 R82 R107 R154 R173-174 R176-178 R188
64	02.001.0174	RES-SMT-FILM-10M-+/-5%-1/16W-0402	1	10M	R54
65	02.001.0046	RES-SMT-FILM-150K-+/-1%-1/16W-0402	1	150K	R9
66	02.001.0183	RES-SMT-FILM-16K-+/-1%-1/16W-0402	4	16K	R63 R69 R73 R75
67	02.001.0026	RES-SMT-FILM-1K-+/-5%-1/16W-0402	2	1K	R12 R50
68	02.001.0114	RES-SMT-FILM-2.7K-+/-5%-1/16W-0402	1	2.7K	HR12
69	02.001.0003	RES-SMT-FILM-200K-+/-1%-1/16W-0402	1	200K	R8
70	02.001.0222	RES-SMT-FILM-20K-+/-1%-1/16W-0402	1	20K	R5
71	02.001.0129	RES-SMT-FILM-20K-+/-5%-1/16W-0402	1	20K	R83
72	02.001.0031	RES-SMT-FILM-22-+/-5%-1/16W-0402	2	22	R150-151
73	02.001.0143	RES-SMT-FILM-24-+/-5%-1/16W-0402	2	24	R118-119
74	02.001.0144	RES-SMT-FILM-240-+/-1%-1/16W-0402	9	240	DR1 DR5 DR17-22 DR24
75	02.001.0223	RES-SMT-FILM-24K-+/-1%-1/16W-0402	1	24K	HR22
76	02.001.0117	RES-SMT-FILM-2K-+/-1%-1/16W-0402	2	2K	DR6-7
77	02.001.0116	RES-SMT-FILM-2K-+/-5%-1/16W-0402	11	2K	R6-7 R33 R44-45 R103 R120 R144 R156-157 R162

78	02.001.0268	RES-SMT-FILM-3.6+/-1%-1/10W-0603	1	3.6	HR21
79	02.001.0108	RES-SMT-FILM-33-±5%-1/16W-0402	3	33	R28 R121 R125
80	02.001.0226	RES-SMT-FILM-39K+/-5%-1/16W-0402	2	39k	R20 R98
81	02.001.0042	RES-SMT-FILM-4.7K+/-5%-1/16W-0402	2	4.7K	R36 R59
82	02.001.0041	RES-SMT-FILM-47K+/-5%-1/16W-0402	2	47K	R52 R94
83	02.001.0132	RES-SMT-FILM-510R, ±5%, 1/16W, 0402	1	510R	R16
84	02.001.0007	RES-SMT-FILM-51K+/-1%-1/16W-0402	1	51K	R130
85	02.001.0109	RES-SMT-FILM-6.8K+/-1%-1/16W-0402	1	6.8K	R131
86	02.001.0200	RES-SMT-FILM-8.2K+/-1%-1/16W-0402	1	8.2K	R132
87	02.001.0261	RES-SMT-NETWORKx4-0+/-5%1/16W-0402x4	2	0*4	RN1-2
88	02.001.0139	RES-SMT-NETWORKx4-24R+/-5%-1/16W-0402	2	24*4	RN5-6
89	02.006.0017	TRANSISTOR-DIODE-Schottky_barrier-Diode-40V-1A-SOD-123	5	1N5819	D1 D3 D13 D6 D8
90	02.006.0081	TRANSISTOR-DIODE-Zener Diode-5.6V-5mA-UMD2	1	5.6V	T5
91	02.006.0082	TRANSISTOR-ESD-5V-1.5pF-1.0*0.52*0.36-0402	4	TEVB1R0V05B1X	ESD15 ESD17-19
92	02.006.0083	TRANSISTOR-ESD-5V-3pF-1.0*0.52*0.36-0402	25	TESB3R0V05B1X	ESD1-5 ESD7-14 ESD16 ESD20-26 T1-2 T39-40
93	02.006.0096	TRANSISTOR-LED-RED/GREEN-2.0V-25mA-0603	1	RG-LED	D7
94	02.006.0095	TRANSISTOR-NMOSFET-[-50V]-[-8V]-[-0.2A]-0.2W-SOT23	2	RUC002N05	Q1 Q13
95	02.007.0013	TRANSISTOR-NPN-100mA-0.1V-260mW-SOT_723	3	LDTC143ZM3T5G	Q9 Q11-12
96	02.007.0015	TRANSISTOR-PMOSFET-[-12V]-[-8V]-[-16A]-2.5W-DFN2x2-6L	1	ACE5801	Q4