

Storm Circuit Technology Ltd

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Sample Bill of Materials (BOM)

Item	Qty	Reference	Manufacturer	Part No	Description	Supplier Part NO.	TYPE
1	0	NETLIGTH, STATUS	LITE-ON INC (VA)	LTST-C190KGKT	LED GREEN CLEAR 0603 SMD	160-1435-1-ND	Do not fit
2	2	3V3, VBATT	LITE-ON INC (VA)	LTST-C190KRKT	LED SUPER RED CLEAR 0603 SMD	160-1436-1-ND	SMD
3	2	C1, C3	PANASONIC ELECTRONIC COMPONENTS (VA)	EEE-1CA221XP	CAP ALUM 220UF 16V 20% SMD	PCE3885CT-ND	SMD
4	13	C2,4,6,8-13,19-22	KEMET (VA)	C0603C104K4RACTU	CAP CER 0.1UF 16V 10% X7R 0603	399-1096-1-ND	SMD
5	2	C5, C7	PANASONIC ELECTRONIC COMPONENTS (VA)	EEE-HB1C100R	CAP ALUM 10UF 16V 20% SMD	PCE4137CT-ND	SMD
6	2	C14, C15	TDK CORPORATION (VA)	C1608C0G1H180J080AA	CAP CER 18PF 50V 5% NP0 0603	445-1272-1-ND	SMD
7	1	C16	KEMET (VA)	T491B107M006AT	CAP TANT 100UF 6.3V 20% 1411	399-3710-1-ND	SMD
8	1	C17	KEMET (VA)	C0603C470J5GACTU	CAP CER 47PF 50V 5% NP0 0603	399-1056-1-ND	SMD
9	2	C18,C23	TDK CORPORATION (VA)	C1608C0G1H220J080AA	CAP CER 22PF 50V 5% NP0 0603	445-1273-1-ND	SMD
10	1	D1	DIODES INCORPORATED (VA)	1N5402-T	DIODE GEN PURP 200V 3A DO201AD	1N5402DICT-ND	Through hole
11	1	D2	ON SEMICONDUCTOR (VA)	MBRS340T3G	DIODE SCHOTTKY 40V 4A SMC	MBRS340T3GOSCT-ND	SMD
12	1	IC1	TEXAS INSTRUMENTS (VA)	LM2596SX-ADJ/NOPB	IC REG BUCK ADJ 3A TO263-5	296-35399-1-ND	SMD
13	1	IC2	TEXAS INSTRUMENTS (VA)	TLV1117-33CDCYR	IC REG LDO 3.3V 0.8A SOT223	296-21112-1-ND	SMD
14	1	IC3	ATMEL	ATMEGA328P-AU	IC MCU 8BIT 32KB FLASH 32TQFP	ATMEGA328P-AU-ND	SMD
15	1	IC4	FAIRCHILD SEMICONDUCTOR (VA)	NC7WZ07P6X	IC BUFF DL UHS O/DRAIN SC706	NC7WZ07P6XCT-ND	SMD
16	1	IC6	ATMEL (VA)	ATSHA204-TSU-T	IC CRYPTO 4.5KB SWI SOT23-3	ATSHA204-TSU-TCT-ND	SMD
17	1	L1	BOURNS INC (VA)	SRN6045-100M	INDUCTOR POWER SHIELD 10UH SMD	SRN6045-100MCT-ND	SMD
18	1	L2	TDK CORPORATION (VA)	MPZ2012S221A	FERRITE CHIP 220 OHM 3A 0805	445-1568-1-ND	SMD
19	1	R1	PANASONIC ELECTRONIC COMPONENTS (VA)	ERJ-3GEYJ242V	RES 2.4K OHM 1/10W 5% 0603 SMD	P2.4KGCT-ND	SMD
20	3	RST, SIM900_PWRKEY, SIM900_RST	APEM INC. (VA)	ADTSM32RVTR	SWITCH TACTILE SPST-NO 0.05A 12V	679-2307-1-ND	SMD
21	1	SIM1	AMPHENOL COMMERCIAL PRODUCTS (VA)	101-00271-82	CONN MINI CARD SIM 8PIN PCB GOLD	101-00271-82-1-ND	SMD
22	6	T1-6	MICRO COMMERCIAL CO (VA)	MMBT3904-TP	TRANSISTOR NPN GP 40V SOT23	MMBT3904TPMSCT-ND	SMD
23	1	VD1	STMICROELECTRONICS (VA)	ESDA6V1W5	TVS DIODE 3VWM SOT3235	497-7228-1-ND	SMD
24	1	X1	CTS-FREQUENCY CONTROLS	ATS16B	CRYSTAL 16MHZ 18PF THRU	CTX1085-ND	SMD
25	1	U1	ATMEL (VA)	AT24C512C-SSHM-T	IC EEPROM 512KBIT 1MHZ 8SOIC	AT24C512C-SSHM-TCT-ND	SMD
26	1	PCB_CONN	FCI	75869-132LF	CONN HEADER 8POS DUAL VERT PCB	609-3530-ND	Through hole
27	1	J1	CUI INC	PJ-031DH	CON PWR JCK 1.3 X 4.2MM HIGH CUR	CP-031DH-ND	Through hole

Note: