

Hacker Warehouse 2018 DC26 Badge v1.1 BOM

Quantity	Description	Part Number	Alternative Part Number	Reference Designator
2	22PF 50V NP0 0603 Capacitor	CL10C220JB8NNNC	C1608C0G1H220G080AA	C2, C3
2	10uF Tantalum Capacitor 1206 16V 20%	F931C106MAAJ6	F931C106MAA	C4, C8
1	4.7UF 16V X5R 0603	C1608X6S1C475K080AC		C46
4	10uF 25V 20% 0603 Capacitor	CL10A106MA8NRNC		C6, C9, C10, C24
1	.01uf/10nf 100V 0603 10% Capacitor	CL10B103KC8NNNC		C20
5	1uf 16V 10% 0603 Capacitor	CC0603MRY5V6BB105	CL10A105KO8NNNC	C1, C29, C44, C45, C47
22	0.1uf 25V 10% 0603 Capacitor	06033C104KAZ2A	CL10B104KA8NNNC	C5, C7, C21, C23, C25, C26, C27, C28, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43
1	3.3nf 16V 10% 0603 Capacitor	VJ0603Y332KXJCW1BC		C19
1	100pf/0.1nf 100V 0603 Capacitor	GRM1885C2A101JA01D		C22
2	10pF $\pm 0.25pF$ 50V Ceramic Capacitor C0G, NP0 0603	C1608C0G1H100C080AA		C13, C16
1	5.6pF Ceramic Capacitor $\pm 0.5pF$ 50V 0603	CL10C5R6DB8NNNC		C11
2	CAP CER 15PF 50V C0G/NPO 0603	CC0603JRNPO9BN150		C14, C15
1	CAP CER 2.4PF 50V C0G/NP0 0603	CL10C2R4CB8NNNC		C12
2	CAP CER 270PF 50V X7R 0603	CL10B271KB8NNNC		C17, C18
1	SS1P3L Schottky Diode 30V 1A	SS1P3L-M3/84A		D3
2	DIODE SCHOTTKY 40V 1A SOD123	B140HW-7		D2, D5
1	Diode Standard 75V 150mA SOD-323F	1N914BWS		D1
14	3535 RGB Addressable LED	SK6812MINI		LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12, LED13, LED14
1	DPDT Slide Switch (On/Off) SMT	AYZ0202AGRLC		S1
4	Black Momentary Push Button - SMD	TL3301NF100QG		U\$1, U\$2, U\$3, U\$4
1	USB Micro-B RECPT SMD Connector	10118194-0001LF		U\$6
1	Battery Holder 2-AA TH	BC2AAPC		U\$5
2	2x2 Pin 4P 2.54mm Double Row Female Straight Header Pitch Socket Pin Strip			JP1, JP2
1	ATMEGA32U4-MU Microcontroller QFN	ATMEGA32U4-MU		U4
1	LED Driver Regulator 1A SOT23-5	FAN5331SX		U1
1	IC REG LINEAR 3.3V 500MA SOT223	MIC5209-3.3YS-TR		U\$7
2	IC MUX/DEMUX 2X1 6TSSOP	74LVC1G3157GW,125		U\$8, U\$9
1	ESP3212	ESP3212		U2
1	IC OR CTRLR SRC SELECT 8SON	TPS2113ADRBRR		U\$10
1	IC FLASH 64MBIT SPI 8SOIC W25Q64JVSSIM TR	W25Q64JVSSIM TR		U5
1	10 uH Inductor 1.8A 5028	SRU5018-100Y		L1
1	FIXED IND 2.7NH 300MA 100 MOHM	HK16082N7S-T		L2
1	0.95 inch (96 x 64) Pixel Full Color Passive OLED LCD	UG-9664HDDAG01		LCD1
3	100K Resistor 0603 1/10W 5%	RC0603JR-07100KL		R2, R6, R12

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1	1K OHM 5% 1/10W 0603 Resistor	ERJ-3GEYJ102V	RC0603JR-071KL	R13
6	10K Resistor 0603 1/10W 5%	RC0603JR-0710KL		R1, R3, R5, R7, R8, R10
1	1M Resistor 0603 1/10W 1%	RC0603FR-071ML		R4
2	22 ohm Resistor 0603 1/10W 5%	RC0603JR-0722RL-S		R14, R15
2	RES SMD 20K OHM 1% 1/10W 0603	RC0603FR-0720KL		R9, R11
1	8.0 MHz Crystal 5 mm x 3.2 mm	ABM3B-8.000MHZ-B2-T		Y1
1	32.768 KHz Crystal FC-135 32.7680KA-A3	ABS07-32.768KHZ-T	FC-135 32.7680KA-A3	X2
1	Crystal 26MHz 3.2 x 2.5	TSX-3225 26.0000MF09Z-AC0		Y2