

Bill of Materials

Source Data From : VapeixShield.PrjPcb
Project : VapeixShield.PrjPcb
Variant : None
Production Quantity : 1
Currency : USD
Version: 1.0.1

Designator	Value	Description	Footprint Doc	Order Number	Supplier 1	Part Number	Manufacturer	Quantity	Supplier Unit Price 1	Supplier Subtotal 1
C1, C4	0.1uF	CAP CER 0.1UF 10V X5R 0603	0603	0603ZD104MAT2A-ND	Digi-Key	0603ZD104MAT2A	MuRata	2	0.0765	\$0.15
C3	1uF	CAP CER 1UF 10V X5R 0603	0603	445-1321-1-ND	Digi-Key	C1608X5R1A105K080AC	MuRata	1	0.1	\$0.10
C2	10uF	CAP CER 10UF 6.3V X5R 0805	0805	490-3340-1-ND	Digi-Key	GRM219R60J106KE19D	MuRata	1	0.15	\$0.15
C6	2.2uF	CAP CER 2.2UF 25V X5R 0805	0805	490-3334-1-ND	Digi-Key	GRM21BR61E225KA12L	MuRata	1	0.24	\$0.24
C7,C8	1uF	CAP CER 1UF 25V X5R 0805	0805	445-1419-1-ND	Digi-Key	C2012X5R1E105K125AA	Samsung Electro-Mechanics America, Inc.	2	0.16	\$0.32
C5, C7	12pF	CAP CER 12pF 50V 0603(1608)	0603	445-1270-1-ND	Digi-Key	C1608C0G1H120J080AA	TDK Corporation	2	0.1	\$0.20
R34, R35, R36	1K	RES SMD 1K OHM 5% 1/10W 0603	0603	311-1.0KGRCT-ND	Digi-Key	RC0603JR-071KL	Panasonic Electronic Components	3	0.1	\$0.30
R1	33	RES SMD 33 OHM 5% 1/10W 0603	0603	311-33KGRCT-ND	Digi-Key	RC0603JR-0733KL	Yageo	1	0.1	\$0.10
R2	19.6K	RES SMD 19.6K OHM 1% 1/10W 0603	0603	311-19.6KHRCT-ND	Digi-Key	RC0603FR-0719K6L	Yageo	1	0.1	\$0.10
R3,R9,R33	10K	RES SMD 10K OHM 1% 1/10W 0603	0603	311-10KGRCT-ND	Digi-Key	RC0603JR-0710KL	Yageo	3	0.1	\$0.30
R4,R5,R6,R7	4.7K	RES SMD 4.7K OHM 5% 1/10W 0603	0603	311-4.7KGRCT-ND	Digi-Key	RC0603JR-074K7L	Yageo	4	0.1	\$0.40
R8	27K	RES SMD 27K OHM 1% 1/10W 0603	0603	311-27.0KHRCT-ND	Digi-Key	RC0603FR-0727KL	Yageo	1	0.1	\$0.10
R10	402K	RES SMD 402K OHM 1% 1/10W 0603	0603	311-402KHRCT-ND	Digi-Key	RC0603FR-07402KL	Yageo	1	0.1	\$0.10
R11,R32, R34-1	2K	RES SMD 2K OHM 5% 1/10W 0603	0603	311-2.2KGRCT-ND	Digi-Key	RC0603JR-072K2L	Yageo	1	0.1	\$0.10
R12,R13,R16,R17,R19,R20,R22,R23,R24,R26,R28,R29	51	RES SMD 51 OHM 5% 1/10W 060	0603	311-510GRCT-ND	Digi-Key	RC0603JR-07510RL	Yageo	12	0.1	\$1.20
R14,R18,R21,R27,R30	300	RES SMD 300 OHM 5% 1/10W 0603	0603	311-300GRCT-ND	Digi-Key	RC0603JR-07300RL	Yageo	5	0.1	\$0.50
U1		IC BATT CHRG CNTRL LI-ION 10MSOP		LTC4050EMS-4.1#PBF-ND	Digi-Key	TC4050EMS-4.1#PBF	Linear Technology	1	4.77	\$4.77
Q1,Q3		MOSFET 2P-CH 20V 6A POWERPAK		SI5999EDU-T1-GE3CT-ND	Digi-Key	SI5999EDU-T1-GE3	Vishay Siliconix	2	0.5	\$1.00
Q4,Q5,Q6		MOSFET 2N-CH 30V 6A PWRPK CHPFET		SI5936DU-T1-GE3CT-ND	Digi-Key	SI5936DU-T1-GE3	Vishay Siliconix	3	0.66	\$1.98
Q2		TRANS 2NPN 45V 0.1A 6DFN		BC847CDLPDICT-ND	Digi-Key	C847CDLP-7	Diodes Incorporated	1	0.36	\$0.36
Q7, Q8		TRANS NPN 40V 0.6A SOT23		MMBT2222ALT1GOSCT-ND	Digi-Key	MMBT2222ALT1G	ON Semiconductor	2	0.1	\$0.20
D1,D2,D3,D4		DIODE SCHOTTKY 20V 2A MICROSMP		MSS2P2-M3/89AGICT-ND	Digi-Key	MSS2P2-M3/89A	Vishay Semiconductor Diodes Division	4	0.37	\$1.48
LED1,LED2,LED3,LED4,LED5,LED6		LED RGB DIFFUSED 0606 SMD		516-1795-1-ND	Digi-Key	HSMF-C114	Broadcom Limited	6	2.03	\$12.18
J4		DC Power Connectors Power Jacks		490-PJ-002AH-SMT-TR	Mouser	PJ-002AH-SMT-TR	Adafruit	1	0.96	\$0.96
ATOM_DPDT		SWITCH SLIDE DPDT 300MA 6V		401-2002-2-ND	Digi-Key	JS202011SCQN	C&K Components	1	0.26	\$0.26
Y1		32.768kHz ±20ppm Crystal 12.5pF 35 kOhm		300-1002-ND	Digi-Key	CFS-20632768DZFB	Citizen Finedevice Co Ltd	1	0.24	\$0.24
SW1,SW2		SWITCH TACTILE SPST-NO 0.05A 12V		CKN9085CT-ND	Digi-Key	PTS645SH50SMTR92 LFS	C&K Components	3	0.29	\$0.87
								66		\$28.66