

Bill of Materials

Source Data From : VapeixShield.PrjPcb
Project : VapeixShield.PrjPcb
Variant : None
Production Quantity : 1
Currency : USD
Version: 1.0.2

Designator	Value	Description	Footprint Doc	Part Number	Manufacturer	Quantity	Supplier 1	Supplier Unit Price 1	Supplier Subtotal 1
C1, C4, C5	0.1uF	CAP CER 0.1UF 10V X5R 0603	0603	0603ZD104MAT2A-ND	MuRata	3	Digi-Key	0.0765	\$0.23
C3	1uF	CAP CER 1UF 10V X5R 0603	0603	445-1321-1-ND	MuRata	1	Digi-Key	0.1	\$0.10
C2	10uF	CAP CER 10UF 6.3V X5R 0805	0805	490-3340-1-ND	MuRata	1	Digi-Key	0.15	\$0.15
C6	2.2uF	CAP CER 2.2UF 25V X5R 0805	0805	490-3334-1-ND	MuRata	1	Digi-Key	0.24	\$0.24
C7,C8		CAP CER 1UF 25V X5R 0805		445-1419-1-ND	Samsung Electro-Mechanics America, Inc.	2	Digi-Key	0.16	\$0.32
R34, R35, R36	1K	RES SMD 1K OHM 5% 1/10W 0603	0603	311-1.0KGRCT-ND	Panasonic Electronic Components	3	Digi-Key	0.1	\$0.30
R1	33	RES SMD 33 OHM 5% 1/10W 0603	0603	311-33KGRCT-ND	Yageo	1	Digi-Key	0.1	\$0.10
R2	19.6K	RES SMD 19.6K OHM 1% 1/10W 0603	0603	311-19.6KHRCT-ND	Yageo	1	Digi-Key	0.1	\$0.10
R3,R9	10K	RES SMD 10K OHM 1% 1/10W 0603	0603	311-10KGRCT-ND	Yageo	2	Digi-Key	0.1	\$0.20
R4,R5,R6,R7	4.7K	RES SMD 4.7K OHM 5% 1/10W 0603	0603	311-4.7KGRCT-ND	Yageo	4	Digi-Key	0.1	\$0.40
R8	27K	RES SMD 27K OHM 1% 1/10W 0603	0603	311-27.0KHRCT-ND	Yageo	1	Digi-Key	0.1	\$0.10
R10	402K	RES SMD 402K OHM 1% 1/10W 0603	0603	311-402KHRCT-ND	Yageo	1	Digi-Key	0.1	\$0.10
R11	2K	RES SMD 2K OHM 5% 1/10W 0603	0603	311-2.2KGRCT-ND	Yageo	1	Digi-Key	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	Yageo	12	Digi-Key	0.1	\$1.20
R14,R18,R21,R27,R30	300	RES SMD 300 OHM 5% 1/10W 0603	0603	311-300GRCT-ND	Yageo	5	Digi-Key	0.1	\$0.50
DS3231SN		IC RTC CLK/CALENDAR I2C 16-SOIC		DS3231SN#T&RCT-ND	Maxim Integrated	1	Digi-Key	9.97	\$9.97
LTC4050EMS		IC BATT CHRG CNTRL LI-ION 10MSOP		LTC4050EMS-4.1#PBF-ND	Linear Technology	1	Digi-Key	4.77	\$4.77
SI5999EDU		MOSFET 2P-CH 20V 6A POWERPAK		SI5999EDU-T1-GE3CT-ND	Vishay Siliconix	5	Digi-Key	0.5	\$2.50
BC847CDLP-7		TRANS 2NPN 45V 0.1A 6DFN		BC847CDLPDICT-ND	Diodes Incorporated	1	Digi-Key	0.36	\$0.36
MSS2P2-M3		DIODE SCHOTTKY 20V 2A MICROSMF		MSS2P2-M3/89AGICT-ND	Vishay Semiconductor Diodes Division	4	Digi-Key	0.37	\$1.48
HSMF-C114		LED RGB DIFFUSED 0606 SMD		516-1795-1-ND	Broadcom Limited	6	Digi-Key	2.03	\$12.18
DC POWER JACK		Adafruit Accessories 2.1mm DC Barrel Jack Breadboard Friendly		490-PJ-002AH-SMT-TR	Adafruit	1	Mouser	0.96	\$0.96
S1012E-03-ND		Header, 100mil, 3x1, Tin plated, TH		S1012E-03-ND	Sullins Connector Solutions	1	Digi-Key	0.39	\$0.39
SNT-100-BK-G		Shunt, 100mil, Gold plated, Black		SAM8858-ND	Samtec Inc.	1	Digi-Key	0.42	\$0.42
JS202011SCQN		SWITCH SLIDE DPDT 300MA 6V		401-2002-2-ND	C&K Components	1	Digi-Key	0.26	\$0.26
PTS645SH50SMTR92		SWITCH TACTILE SPST-NO 0.05A 12V		CKN9085CT-ND	C&K Components	3	Digi-Key	0.29	\$0.87
MMBT2222ALT1G		TRANS NPN 40V 0.6A SOT23		MMBT2222ALT1GOSCT-ND	ON Semiconductor	2	Digi-Key	0.1	\$0.20

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