

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	Manufacturer	Quantity	Supplier 1	Supplier Unit Price 1	Supplier Subtotal 1
C1, C4, C5	0.1uF	CAP CER 0.1UF 10V X5R 0603	0603	MuRata	3	Digi-Key	0.1	\$0.30
C3	1uF	CAP CER 1UF 10V X5R 0603	0603	MuRata	1	Digi-Key	0.1	\$0.10
C2	10uF	CAP CER 10UF 6.3V X5R 0805	0805	MuRata	1	Digi-Key	0.15	\$0.15
C6	2.2uF	CAP CER 2.2UF 25V X5R 0805	0805	MuRata	1	Digi-Key	0.24	\$0.24
R1	33	RES SMD 33 OHM 5% 1/10W 0603	0603	Yageo	1	Digi-Key	0.1	\$0.10
R2	19.6K	RES SMD 19.6K OHM 1% 1/10W 0603	0603	Yageo	1	Digi-Key	0.1	\$0.10
R3,R9	10K	RES SMD 10K OHM 1% 1/10W 0603	0603	Yageo	2	Digi-Key	0.1	\$0.20
R4,R5,R6,R7	4.7K	RES SMD 4.7K OHM 5% 1/10W 0603	0603	Yageo	4	Digi-Key	0.1	\$0.40
R8	27K	RES SMD 27K OHM 1% 1/10W 0603	0603	Yageo	1	Digi-Key	0.1	\$0.10
R10	400K	RES SMD 400K OHM 1% 1/10W 0603	0603	Yageo	1	Digi-Key	0.1	\$0.10
R11	2K	RES SMD 2K OHM 5% 1/10W 0603	0603	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	Yageo	12	Digi-Key	0.1	\$1.20
R14,R18,R21,R27,R30	300	RES SMD 300 OHM 5% 1/10W 0603	0603	Yageo	5	Digi-Key	0.1	\$0.50
DS3231SN		IC RTC CLK/CALENDAR I2C 16-SOIC		Maxim Integrated	1	Digi-Key	9.97	\$9.97
LTC4050EMS		IC BATT CHRG CNTRL LI-ION 10MSOP		Linear Technology	1	Digi-Key	4.77	\$4.77
SI5999EDU		MOSFET 2P-CH 20V 6A POWERPAK		Vishay Siliconix	5	Digi-Key	0.5	\$2.50
BC847CDLP-7		TRANS 2NPN 45V 0.1A 6DFN		Diodes Incorporated	1	Digi-Key	0.36	\$0.36
MSS2P2-M3		DIODE SCHOTTKY 20V 2A MICROSPM		Vishay Semiconductor Diodes Division	4	Digi-Key	0.37	\$1.48
S4B-PH-K-S		CONN HEADER PH SIDE 4POS 2MM		JST Sales America Inc.	1	Digi-Key	0.22	\$0.22
S2B-PH-K-S		CONN HEADER PH SIDE 2POS 2MM		JST Sales America Inc.	2	Digi-Key	0.17	\$0.34
HSMF-C114		LED RGB DIFFUSED 0606 SMD		Broadcom Limited	6	Digi-Key	2.03	\$12.18
DC POWER JACK		Adafruit Accessories 2.1mm DC Barrel Jack Breadboard Friendly		Adafruit	1	Mouser	0.96	\$0.96
S1012E-03-ND		Header, 100mil, 3x1, Tin plated, TH		Sullins Connector Solutions	1	Digi-Key	0.39	\$0.39
SNT-100-BK-G		Shunt, 100mil, Gold plated, Black		Samtec Inc.	1	Digi-Key	0.42	\$0.42
LS-00008		Arduino Femal e Stackable Headers - 8 pin (4 pack)		OSEPP	2	alliedelec	1.75	\$3.50
LS-00007		Arduino Female Stackable Header - 6 pin(4 pack)		OSEPP	1	alliedelec	1.75	\$1.75
LS-00009		Arduino Female Stackable Header - 10 pin		OSEPP	1	alliedelec	1.75	\$1.75
Molex 15-91-2060		CONN HEADER 6POS .100" VERT TIN		Molex, LLC	1	Digi-Key	0.43	\$0.43
M20-7870346		Headers & Wire Housings 03+03 DIL SMT SKT BOTTOM ENTRY TIN		HARWIN	1	Mouser	0.74	\$0.74
JS202011SCQN		SWITCH SLIDE DPDT 300MA 6V		C&K Components	1	Digi-Key	0.26	\$0.26
PTS645SH50SMTR92		SWITCH TACTILE SPST-NO 0.05A 12V		C&K Components	3	Digi-Key	0.29	\$0.87
MMBT2222ALT1G		TRANS NPN 40V 0.6A SOT23		ON Semiconductor	2	Digi-Key	0.1	\$0.20
C7,C8		CAP CER 1UF 25V X5R 0805		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	Panasonic Electronic Components	3	Digi-Key	0.1	\$0.30
					75			\$47.30