

	Royal St. George's College	Base Quote on	22 KITS
Kit Name:	AVR Foundations	Quote ????	2023/2024
Line #	Part	Workbook	Note
1	5V DC Adapter 2A	*	276-ADA (5V 2A)
2	ABRA Nano	*	ABRANANO
3	<a href="#">Sparkfun AVR Pocket Programmer</a>	*	PGM-09825
4	Jumper Wire Kit	*	144 pcs
5	DC Jack	*	PRT-10811
6	Elec Cap: 1uF	*	1R50
7	Elec Cap: 10uF	*	10R50
8	Power Diode	*	1N400n
9	LED 3mm: Red	*	LED-3R
10	LED 3mm: Amber	*	LED-3A
11	LED 3mm: Green	*	LED-3G
12	5mm LED Pack	*	COM-12062
13	NTC Thermistor (10k)	*	334-103
14	TMP36	*	TO-92
15	SPDT Slide Switch	*	SSW-120-BB
16	Bicolor LED	*	LED-5RG-2
17	RGBLED (CC) Diffused	*	LED-5RGB-4-CC-DIFF
18	<b>Common Cathode 7-Segment Disp.</b>	*	FND500
19	Disk Cap: 103	*	0.01uF
20	Disk Cap: 104	*	0.1uF
21	10k Trim Pot	*	356-ADA
22	100k Trim Pot	*	3386P-1-104SH
23	1M Trim Pot	*	3386P-1-105SH
24	IC Socket	*	8LP
25	IC Socket	*	14LP
26	IC Socket	*	16LP
27	IC Puller	*	ICP-20
28	2x3 Male Header Pins	*	SH-3
29	16x2 LCD Blue (Assembled)	*	1447-ADA
30	AVR Pocket Programmer	*	PGM-09825
31	LD1117V33	*	LD1117
32	LM7805	*	TO-220
33	LM7809	*	TO-220
34	LM317	*	TO-220
35	LM358 (Op Amp)	555/Cond. Mic.	LM358
36	LM386 (Audio Op Amp)	Audio	LM386
37	LM741 (Op Amp)	*	LM741
38	CMOS IC (logic)	555	NOR(4001)
39	Speaker 8 ohm 0.5W	Audio Amp	1890-ADA
40	NE555	555	NE555
41	10mm Red LED (Diffused)	Schaffer Traffic Light	LED-10R
42	10mm Red Yellow (Diffused)	Schaffer Traffic Light	LED-10Y
43	10mm Red Green (Diffused)	Schaffer Traffic Light	LED-10G
44	Breakaway Male Pins (RTAng)	Schaffer Traffic Light	SH-4
45	Breakaway Male Pins (Straight)	Schaffer Traffic Light	SH-2
46	LED Bargraph (Blue)	Morland Bargraph	COM-09937

47	Ser In/Par Out Shift Register	Morland Bargraph	74HC595
48	IC Socket	Morland Bargraph	16LP
49	<b>Dual CC RED Alphanumeric Display</b>	<b>POV</b>	<b>1907-ADA</b>
50	NPN BJT	POV	2N3904
51	PNP BJT	POV	2N3906
52	<b>8x8 LED Matrix (Green)</b>	<b>Reed MatrixMadeEZ</b>	<b>861-ADA</b>
53	<b>TPIC6C595</b>	<b>Reed MatrixMadeEZ</b>	<b>TPIC6C595</b>
54	<b>1 row X 8 pins Straight Female Receptacle</b>	<b>Reed MatrixMadeEZ</b>	<b>1018-POLOLU</b>
55	16 MHz Crystal and 20pF caps	<b>Perma Proto 328P</b>	2215-ADA
56	ATmega328P	<b>Perma Proto 328P</b>	DIP-28
57	Transistor Positive Voltage Regulator 1A 5V	Perma Proto 328P	7805T
58	<b>4-Digit 7-Segment Display (Blue)</b>	<b>Raymond RTC</b>	<b>COM-09481</b>
59	CR1220 Coin Battery	<b>Raymond RTC</b>	CR1220-2
60	32.768 kHz Crystal	<b>Raymond RTC</b>	2211-ADA
61	<b>15 MOhm</b>	<b>Pierce Oscillator</b>	<b>R1/4-15M</b>
62	DS1307	<b>Raymond RTC</b>	DS1307+
63	CR1220 Coin Cell Holder	<b>Raymond RTC</b>	BK-917-ND
64	<b>Electret Microphone</b>	<b>Dolgin Equalizer</b>	<b>1713-ADA</b>
65	8x8 LED Matrix (Yellow)	<b>Dolgin Equalizer</b>	860-ADA
66	MSGEQ7	<b>Dolgin Equalizer</b>	MSGEQ7
67	ATtiny84	<b>Dolgin Equalizer</b>	ATtiny84-20PU
68	DPDT Toggle Swith	<b>Mechanical</b>	SW203
69	DC Hobby Motor	<b>Mechanical</b>	ROB-11696
70	<b>Standard Servo</b>	<b>Mechanical</b>	FS5103B
71	Stepper with ULN2003 Driver	<b>Mechanical</b>	MOT-28BYJ48
72	SN754410	<b>Mechanical</b>	SN754410NE
73	L293D	<b>Mechanical</b>	L293D
74	IRF520	<b>Mechanical</b>	TO-220
75	nRF24L01	<b>RF</b>	WL-200
76	33pF Disk Capacitor	<b>MSGEQ7 BoB</b>	CD330
77	200k Fixed Resistor	<b>MSGEQ7 BoB</b>	R1/4-200K-1
78	Stripboard	<b>Miscellaneous</b>	ST1-BPS