

ICS4U-E		Royal St. George's College	C. D'Arcy	2022/2023
Kit Name:		AVR Optimization	12	12 KITS
Quantity	Line #	Part	Supplier	Code/Note
1	1	ABRA-48 Breadboard-3220 Tie Points	ABRA	ABRA-48
1	2	5V DC Adapter 2A	ABRA/Adafruit	276-ADA (5V 2A)
1	3	HOOK-UP WIRE SPOOL SET	ABRA/Adafruit	22HW-25-KIT
1	5	IC Puller	ABRA	ICP-20
1	4	ABRA UNO R3 Compatible	ABRA	ABRAUNO
1	7	Arduino Nano Compatible v3 ATMEGA328P	ABRA	ARD-NANO
1	8	ALU:74LS181	ABRA	74LS181
2	9	EEPROM:AT28C16	ABRA	28C16A-15
2	10	(Logic) NAND:74LS00	ABRA	74LS00
2	11	(Logic) NOT:74LS04 (Inverter for RAM)	ABRA	74LS04
2	12	(Logic) AND:74LS08 (Branch Control)	ABRA	74LS08
2	13	(Logic) OR: 74LS32 (Clock)	ABRA	74LS32
1	14	MUX/SEL: 74LS157	ABRA	74LS157
1	15	PC: 74LS161	ABRA	74LS161
1	16	ADDRESS: 74LS174	ABRA	74LS174
1	17	ACCUM: 74LS377	ABRA	74LS377
1	18	RAM: 74189	ABRA	74189
4	19	Clock: LM555	ABRA	LM555
6	20	Clock: Momentary Tactile Button (12mm)	ABRA	PBS-190
1	21	Clock: 0.1uF Capacitor	ABRA	753-ADA
4	22	Clock: 1uF Capacitor	ABRA	1R50
4	23	Clock: SPDT Slide Switch	ABRA	SSW-120-BB
20	24	LED 3mm: Red	ABRA	LED-3R
20	25	LED 3mm: Amber	ABRA	LED-3A
20	26	LED 3mm: Green	ABRA	LED-3G
4	27	ATTiny84-20PU 8-Bit Microcontroller AVR	ABRA	ATTINY84-20PU
8	30	Female 1 row X 8 pins Header	ABRA	FH-1x8
10	31	16SG Socket IC, Dual contact, DIP16, Gold pins	ABRA	16SG
2	32	Panel Mount DC Power Jack 2.1mm	ABRA/Adafruit	610-ADA
2	33	Right Angle Shrouded Male 6-pin ISP Header	Digikey/Wurth	732-5404-ND
5	34	Transistor Positive Voltage Regulator 1A 5V	ABRA	7805T
20	35	2N3904 BJT	ABRA	2N3904
5	38	1x40 pins Straight Male Snappable	ABRA	SH-6A-M
5	39	CMOS BCD-7-segment Latch	ABRA	4511
2	43	CD4511 BCD Decoder	ABRA	74HC595
2	46	Female Header: 2x3	Digikey/Sullins	S7106-ND