COM001-A Parts List

ID	Quantity	Description	Cost each	Cost total
1	14	Breadboard	$3 - $8	$36 - $96
2	1	22 AWG Solid Tinned-Copper Hook-Up Wire	$18.00	$18.00
3	9	1kΩ resistor	$0.04	$0.36
4	8	10kΩ resistor	$0.04	$0.32
5	2	100kΩ resistor	$0.04	$0.08
6	8	470Ω resistor	$0.04	$0.32
7	1	1MΩ resistor	$0.04	$0.04
8	1	1MΩ potentiometer	$2.50	$2.50
9	6	0.01µF capacitor	$0.15	$0.90
10	2	0.1µF capacitor	$0.18	$0.36
11	1	1µF capacitor	$0.71	$0.71
13	4	555 timer IC	$0.41	$1.64
14	1	74LS00 (Quad NAND gate)	$0.50	$0.50
15	5	74LS04 (Hex inverter)	$0.50	2.50
16	2	74LS08 (Quad AND gate)	$0.50	$1.00
17	1	74LS32 (Quad OR gate)	$0.50	$0.50
18	1	74LS76 (Dual JK flip-flop)	$2.00	$2.00
19	2	74LS86 (Quad XOR gate)	$0.50	$1.00
20	1	74LS138 (3-to-8 line decoder)	$0.50	$0.50
21	1	74LS139 (Dual 2-line to 4-line decoder)	$0.50	$0.50
22	4	74LS157 (Quad 2-to-1 line data selector)	$0.50	$2.00
23	4	74LS161 (4-bit synchronous binary counter)	$0.50	$2.0
24	7	74LS173 (4-bit D-type register)	$1.00	$7.00
25	2	74LS189 (64-bit random access memory)	$1.50	$3.00
26	6	74LS245 (Octal bus transceiver)	$0.50	$3.00
27	1	74LS273 (Octal D flip-flop)	$0.50	$0.50
28	2	74LS283 (4-bit binary full adder)	$2.00	$4.00
29	4	28C16 EEPROM	$6.00	$24.00
30	2	Double-throw toggle switch	$3.80	$7.60
31	2	Momentary 6mm tact switch	$2.50	$5.00
32	1	8-position DIP switch	$0.50	$0.50
33	1	4-position DIP switch	$0.50	$0.50
34	41	Red LED	$0.05	$2.05
36	20	Yellow LED	$0.05	$1.00
37	11	Green LED	$0.05	$0.55

Total cost USD: $147.77 - $207.77

*USD$1 = AUD$1.29

Total cost AUD*: $190.28 - $267.54

ID	Quantity	Description	Cost each	Cost total
39	22	Blue LED	$0.05	$1.10
40	4	Common cathode 7-segment display	$0.75	$3.00
41	1	Arduino Nano	$22.00	$22.00
42	2	74HC595 (shift registers)	$6.80	$13.60

Total cost USD: $147.77 - $207.77

USD$1 = AUD$1.29   Total cost AUD: $190.28 - $267.54