

ES4 Final Project - Vending Machine Design Document

Yekwon Park, John Tagliaferro, Sebastian Coates, Christian Zinck

May 24, 2018

Component List

Component	Model Number	Quantity
Dual D Flip Flop	SN74HCT74	1
Monolithic Function Generator	XR2206CP	3
Mono-stable-multi-vibrator	741S221	1
Low Volage Audio Power Amplifier	LM386M-1	1
Jameco Opto-interrupter	114091	1
1" 1 W Speaker	N/A	1
OpAmp	lm386	1
8x8 Bi-polar LED Display	08FYM12882AEG	1
8Kx8 EPROM	27C64	1
4-bit counter	SN74163	3
3x8 Decoder	SN74LS138	2
Hex Inverter	SN74LS04	2
Quad 2x1 Mux	DM74157	1
Quad 2 input AND	SN74LS08	3
Quad 2 input OR	SN74LS32	2