

Bill Of Materials for ECE 411 - ABED - 1.0.r.1

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Cnt	Refs	Manufacturer	P/NP	Mfr. Part Number	Description	Generic	Vendor	
	1	ATMEGA328P	Microchip	P	ATMega328p	a low power, CMOS 8-bit microcontrollers based on the AVR® enhanced RISC architecture	Y	DigiKey
	1	HC-SR04	Elec-Freaks	P	HC-SR04	This economical sensor provides 2cm to 400cm of non-contact measurement fui	Y	Sparkfun
	1	HD44780LCD-1602	SunFounder	P	LCD1602	1602 character-type liquid crystal display, is a kind of dot matrix module to show	Y	DigiKey
	4	2N7000	STMicroelectronics	P	2N700	MOSFET, 2N7000, N-channel 60 V, 1.8 Ω, 0.35 A	Y	DigiKey
	2	C1, C2	TDK	P	CC45SL3FD220JYGNA	Capacitor, 22pF	Y	Newark
	3	TM1, R2, R3	MULTICOMP PRO	P	MCF 0.25W 10K	Resistor, 10k Ohm	Y	Newark
	1	Q1	Fox	P	FOXSLF/160-20-BAG200	16MHz Crystal Clock	Y	Newark
	2	R1, R4	TT ELECTRONICS / W	P	MFR4-1K0FI	Resistor, 1k Ohm	Y	Newark

NOTES

Generic "Y": "Jelly bean" parts. Description represents a minimum specification. Components with "better" specifications (tolerance, temperature range, etc) are OK to substitute.

Generic "N": For special components, manufacturer and part numbers much be matched.

Generic "CUSTOM": Made to order (custom) parts with possibly very long lead times.

Generic "EOL": Part is past end of life, must be purchased on the gray market.

Vendor-PN

490-3261-1-ND

SEN-15569

SRU3011-4R7YCT-ND

497-3110-ND

71AH2722

38K0328

58T1826

97K4809