

July 2, 2013

	Quantity	Possible Source(s)	Notes:	eBay Seller Name
Arduino MEGA R3	1	eBay, Radio Shack, Amazon		N/A
2 Relay Shield	1	eBay, Amazon	Optional use - wiring needs to be checked	geillable-store
PCBs	1	seedstudio.com	PCB source files available	N/A
4x20 Display	1	eBay, Amazon	Compatible HD44780 / verify dimensions Housing 98mm x 55mm	geillable-store
Display Backpack	1	inmojo.com	Serial LCD back pack - Phi-panel - Kit	N/A
Keypad	1	eBay	4x4 matrix Membrane Switch keypad	e_goto
Sensors	2	RidgeSoft.com	Fairchild QRB1134	N/A
Microswitch	3	digikey.com	SWITCH LEVER SPDT 3A QC TERM	digikey part number CH123-ND
Cables	1	custom	custom cables - or make your own	N/A
Resistors (1/4W)		dipmicro.com		N/A
68 ohm	2		for sensors	
75 ohm	2			
330 ohm	3			
10000 ohm	8			
LEDs	3	eBay	5mm	1 - Red, 1 - Green, 1 - Blue
LED Housings	3	eBay	5mm	
Buttons				
Reset	1	dipmicro.com led-switch.com	Pushbutton for PCB Momentary Contact	N/A
Push button	1		Normally Open Momentary Contact	PB01B-R
	1			PB01B-B
	1			PB01B-BL
Capacitors		dipmicro.com		N/A
100nF	2		Radial Ceramic Disc Capacitor	
Headers				
	1		40-pin 1-row 0.1" PCB Male Square Header	
	1		8-pin 1-row 0.1" Long Pin Female Header	

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Connectors		digikey.com		
	1		CONN HEADER VERT 8POS PCB TIN	digikey part number A28543-ND
	3	Use one on display back pack	CONN HEADER VERT .100 6POS 30AU	digikey part number A33931-ND
	2		CONN HEADER VERT .100 2POS 15AU	digikey part number A28524-ND
	1		CONN HEADER RTANG 4POS PCB TIN	digikey part number 5-103634-3
	1		CONN HEADER VERT 4POS PCB TIN	digikey part number A33927-ND
Face Plate	1	custom		N/A
Wood Frame	1	custom		N/A
Jumper	1	dipmicro.com	2-Pin 0.1" Jumper Closed Top	N/A
Power Switch	1	digikey.com	SWITCH PUSH SPST 16A 125V	digikey part number EG4698-ND
Wall Pack	1	DC 12V 2A 5.5 / 2.1mm	Many other options possible	lightinworld
Fasteners		fastenal.com, Ace Hardware		
	4		#4-40 x 1-1/2 Nylon Machine Screw	For Arduino mounting
	8		#4-40 Nylon Machine Screw Nut	For Arduino mounting
	8	dipmicro.com	Nylon Round Spacer W 1/4" L 1/4" Hole .118"	
		fastenal.com, Ace Hardware		
	10		#4-40 x 5/8" Machine Screw	For face plate
	10		#4-40 Zinc Plated Machine Screw Hex Nut	For face plate
	10		#4 Zinc Finish Internal Tooth Lock Washer	For face plate
		pro-dec.com		
	10		SNAP-CAPS® Washers (8/8-FB)	For face plate
	10		SNAP-CAPS® (8/8-FB)	For face plate
		fastenal.com, Ace Hardware		
	4		#4-40 x 3/8" Brass Machine Screw	For display mounting
	4		#4-40 Brass Machine Screw Hex Nut	For display mounting