

**Bill Of Materials For Input/Output Ver2**

**Design Title** : Input/Output ver2  
**Author** : Robert Nance Dee  
**Revision** :  
**Design Created** : Monday, February 20, 2012  
**Design Last Modified** : Wednesday, March 07, 2012  
**Total Parts In Design** : 40

**8 Resistors**

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
1	R1	100k	
3	R2-R4	4.7k	
1	R5	10k	
1	R6	270	
2	R7, R8	470	

**2 Capacitors**

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
1	C1	.1uF	MOUSER 581-BF024D0104J
1	C2	0.1u	MOUSER 581-BF024D0104J

**3 Integrated Circuits**

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
1	U1	4017 (CMOS)	595-CD4017 BEE4 (Mouser)
1	U2	78L05	
1	U3	78L12	

**6 Transistors**

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
6	Q1-Q6	2N3904	

**6 Diodes**

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
3	D1-D3	1N914	
3	D4-D6	LED	

**15 Miscellaneous**

<u>Quantity:</u>	<u>References</u>	<u>Value</u>	<u>Order Code</u>
1	J1	PB Switch	
1	J2	+15V	
1	J3	Input 1	161-4221-E
1	J4	Input 2	161-4221-E
1	J5	Input 3	161-4221-E

1	J6	to pot	
1	J7	Output 1	161-4221-E
1	J8	Output 2	161-4221-E
1	J9	Outputs	
1	J10	to LEDS	
3	RL1-RL3	F□2 D3226	
2	RV3, RV4	200	Digikey 3252W-201LF-ND

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