



# ADH2O

## Liste des composants

**Design Title** : ALIMENTATION A DECOUPAGE  
**Author** : Asl  
**Revision** : 1.0  
**Design Last Modified** : Dimanche 6 juin 2010  
**Total Parts In Design** : 95

### 29 Resistors

<u>Quantity:</u>	<u>References</u>	<u>Value</u>
3	R1, R4, R14	1k
10	R2, R5, R6, R19-R22, R24, R26, R27	10k
2	R3, R25	1.2k
1	R7	10
4	R8-R11	100
1	R12	82
2	R13, R28	2.2k
1	R15	470 / 2W
1	R16	68
2	R17, R29	470
1	R18	0.04 / 50W
1	R23	220

### 23 Capacitors

<u>Quantity:</u>	<u>References</u>	<u>Value</u>
1	C1	3.3nF
1	C2	10nF
1	C3	100µF/24v
1	C4	4.7µF / 63v
1	C5	47µF / 63v
1	C6	1500µF / 40v - Low ESR
1	C6BIS	Voir documentation

1	C7	1000µF/40v
1	C8	10µF/40v
6	C9, C11, C19-C22	100nF
2	C10, C12	10µF/25v
1	C13	10µF / 63v
1	C14	100nF / 63v
4	C15-C18	4700µF / 63v

## 6 Integrated Circuits

<u>Quantity:</u>	<u>References</u>	<u>Value</u>
1	U1	LM2575 – Régulateur Buck converter (version ajustable)
1	U2	NE555
1	U3	LM324A
1	U4	4013
1	U5	TL783 – Régulateur 1,25v 125v
1	U6	7812

## 8 Transistors

<u>Quantity:</u>	<u>References</u>	<u>Value</u>
1	Q1	2N2222A
2	Q2, Q3	BC546
4	Q4-Q7	IRFZ46N – Mosfet 55v 53A
1	Q8	BC557

## 14 Diodes

<u>Quantity:</u>	<u>References</u>	<u>Value</u>
4	D1-D3, D6	1N4007
2	D4, D5	MBR6060 - Diode Schottky Boîtier TO-3P
1	D7	Led verte 5mm
5	D8-D11, D13	1N4148
1	D12	Zener 5.6v
1	D14	Led rouge 5mm

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## 15 Miscellaneous

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<u>Quantity:</u>	<u>References</u>	<u>Value</u>
2	J1, J3	Bornier 4 points - 5mm
1	J2	Bornier 6 points – 5mm
1	L1	Self 175 $\mu$ H – <i>Voir documentation</i>
1	L2	Self 20 $\mu$ H – <i>Voir documentation</i>
2	P1, P2	Multitours 20k – Modèle 67Y
1	SW1	Interrupteur double inverseur
1	SW2	Dip-switch 4pts
6	TP GND, TP OUT, TP01-TP04	Point de test

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