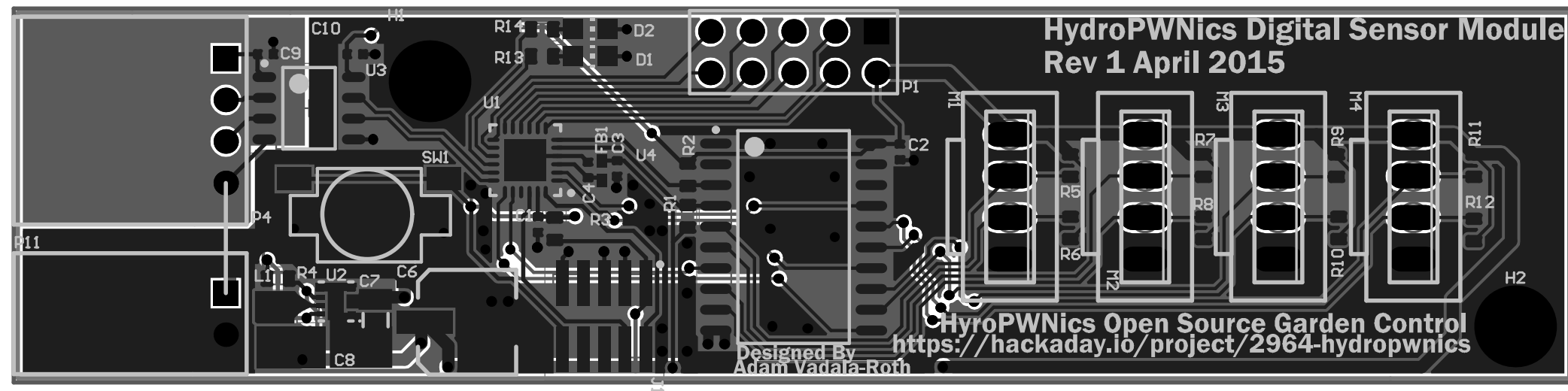


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HydroPWNics Digital Sensor Module
Rev 1 April 2015

HydroPWNics Open Source Garden Control
<https://hackaday.io/project/2964-hydropwnics>

Designed By
Adam Vadala-Roth



Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	CAP CER 0402 100nF 16V 10% X7R	C1, C2, C3, C4, C9, C10	C0402	GRM155R71C104KA 88D	6
EEE-1VA101XP	CAP ALUM 100UF 35V 20% SMD	C6	EEE-1VA101XP	EEE-1VA101XP	1
10uF 50V	CAP CER 10UF 50V 10% X5R 1206	C7	C1206	CL31A106KBHNNNE	1
0603	CAP CER 22UF 6.3V 10% X5R 0805	C8	C0805	CL21A226KQQNNN E	1
5988140107F	LED 0805 Yellow	D1, D2	LED2012120	5988140107F	2
BLM15HG601SN1D	BLM15HG601SN1D	FB1	BLM18PG121SN1D	BLM15HG601SN1D	1
M3 Hole	3mm Hole	H1, H2	Hole-3mm	Hole	2
FTSH-105-XX-X-DV		J1	FTSH-105-XX-X-DV	ARM Cortex JTAG- DEBUG Header	1
VLS252012T- 2R2M1R3	VLS252012T- 2R2M1R3	L1	VLS252012T- 2R2M1R3	VLS252012T- 2R2M1R3	1
Molex 0705430003	Molex 4 Pin Clip Connector	M1, M2, M3, M4	4POL254	Molex 0705430003 Alt	4
Header 5X2	Header, 5-Pin, Dual row	P1	HDR2X5	Header 5X2	1
Molex 0705530003	Molex 0705530003 Right Angle 2.54mm Shrouded Header	P4	0705530003	0705530003	1
Molex 0705530001	Molex 0705530002 Right Angle 2.54mm Shrouded Header	P11	0705530001	0705530001	1
4.7K	RES 0603 4.7K 100mW 1%	R1, R2, R5, R6, R7, R8, R9, R10, R11, R12	R0603	ERJ3EKF4701V	10
1K	RES 0603 1K 100mW 1%	R3, R13, R14	R0603	ERJ-3EKF1001V	3
100K	RES 100K OHM 1/10W 1% 0603 SMD	R4	R0603	RC0603FR-07100KL	1
TL3301AF160QG	TL3301AF160QG	SW1	TL3301AF160QG	TL3301AF160QG	1
MKL05Z16VFK4 - VQFN24	ARM Cortex M0+	U1	98ASA00474D	MKL05Z16VFK4 - 24 Pin VQFN	1
TPS62162DSG		U2	DSG8-1600X900TP	TPS62162SOP	1
ADUM3210BRZ-RL7	DGTL ISO 2.5KV GEN PURP 8SOIC	U3	ADUM3210BRZ-RL7	ADUM3210BRZ-RL7	1
PCA9518APW	IC I2C HUB 5CH EXP	U4	PCA9518APW,512	PCA9518APW512	1