

2LabsToGo V0.3.0 Pinout List

Arduino Pin	Malin Analog	Marlin Pin	Atmega Port	Funktion	
22		22	A0	DHT22 Incubator	
23		23	A1	Heater Bed	
24		24	A2	Heater Incubator	
25		25	A3		Expansion
26		26	A4		Expansion
27		27	A5		Expansion
28		28	A6		Expansion
29		29	A7		Expansion
53		53	B0	E0-DIR	
52		52	B1	SPI SCLK	
51		51	B2	SPI MOSI	
50		50	B3	SPI MISO	
10		10	B4	Z-EN	
11		11	B5	Z-STEP	
12		12	B6	Z-DIR	
13		13	B7	LED Backlight	
37		37	C0	HF-Valve	
36		36	C1	3-WAY-Valve	
35		35	C2		Expansion
34		34	C3		Expansion
33		33	C4		Expansion
32		32	C5		Expansion
31		31	C6		Expansion
30		30	C7		Expansion
21		21	D0	I2C SLC	
20		20	D1	I2C SDA	
19		19	D2		NC
18		18	D3		NC
		81	D4		NC
		82	D5		NC
		83	D6		NC
38		38	D7		NC
0		0	E0	UART RX	
1		1	E1	UART TX	
		78	E2		NC
5		5	E3	UV-LED 1 (265)	
2		2	E4	UV-LED 2 (365)	
3		3	E5	Nebulizer	
		79	E6	Y-EN	
		80	E7	Y-STEP	
A0/54		A0 54	F0	Neopixel	
A1/55		A1 55	F1		
A2/56		A2 56	F2		
A3/57		A3 57	F3		Expansion
A4/58		A4 58	F4		Expansion
A5/59		A5 59	F5		Expansion
A6/60		A6 60	F6		Expansion
A7/61		A7 61	F7		Expansion
41		41	G0	Case Light	

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40	40	G1	PUMPE	
39	39	G2		Expansion
	71	G3		NC
	70	G4		NC
4	4	G5		NC
17	17	H0	Y-DIR	
16	16	H1	X-EN	
	84	H2	X-STEP	
6	6	H3	X-DIR	
7	7	H4	E0-EN	
8	8	H5	E0-STEP	
9	9	H6	Heater External	
	85	H7		
15	15	J0		Expansion
14	14	J1		Expansion
	72	J2		Expansion
	73	J3		Expansion
	75	J4		Expansion
	76	J5		Expansion
	77	J6		Expansion
	74	J7		NC
A8/62	A8 62	K0		Expansion
A9/63	A9 63	K1		Expansion
A10/64	A10 64	K2		Expansion
A11/65	A11 65	K3		Expansion
A12/66	A12 66	K4		Expansion
A13/67	A13 67	K5	Termistor Incubator	
A14/68	A14 68	K6	Termistor Bed	
A15/69	A15 69	K7	Thermistor External	
47	49	L0	Switch Z-Axis to Syringe Pump	
48	48	L1	Z-MIN (switched)	
47	47	L2	X-MAX	
46	46	L3	X-MIN	
45	45	L4	Y-MAX	
42	44	L5	Y-MIN	
41	43	L6	Z-MAX	
42	42	L7	DHT22 Kammer	