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PINOUT DIAGRAM

MEGA PRO CH340G /ATmega2560

5V/1A Regulator

3.3V/1A Regulator

Micro USB

Reset Button

External Voltage Input 7-12V

5V Input OR Output

3V3 Output

RESET

AREF

Screw hole 3.2mm

12MHz Crystal

A0-A15

D0-D31

D32-D47

LED Indicator

D48-D53

16MHz Crystal

ICSP Header

Screw Hole 3.2mm

ICSP

RESET

D0-D31

1	TXD0	PE1	3	TX	RX	2	PE0	PCINT8	RXD0	0
3	OC3C	INT5	PE5	7	D3	D2	6	PE4	INT4	OC3B	2
5	OC3A	AIN1	PE3	5	D5	D4	1	PG5	OC0B	4
7	OC4B	PH4	16	D6	D6	15	PH3	OC4A	6
9	OC2B	PH6	18	D9	D8	17	PH5	OC4C	8
11	OC1A	PCINT5	PB5	24	D11	D10	23	PB4	PCINT4	OC2A	10
OC0A	13	OC1C	PCINT7	PB7	26	D13	D12	25	PB6	PCINT6	OC1B	12
15	RXD3	PCINT9	PJ0	63	D15	D14	64	PJ1	PCINT10	TXD3	14
17	RXD2	PH0	12	D17	D16	13	PH1	TXD2	16
19	RXD1	INT2	PD2	45	D19	D18	46	PD3	INT3	TXD1	18
21	SCL	INT0	PD0	43	D21	D20	44	PD1	INT1	SDA	20
23	AD1	PA1	77	D23	D22	78	PA0	AD0	22
25	AD3	PA3	75	D25	D24	76	PA2	AD2	24
27	AD5	PA5	73	D27	D26	74	PA4	AD4	26
29	AD7	PA7	71	D29	D28	72	PA6	AD6	28
31	A14	PC6	59	D31	D30	60	PC7	A15	30

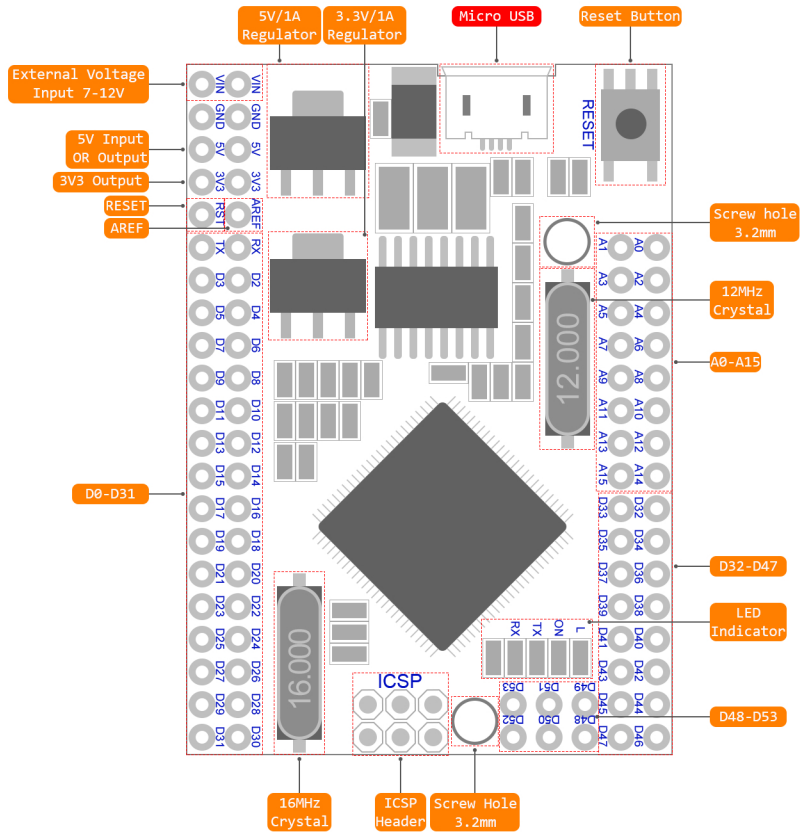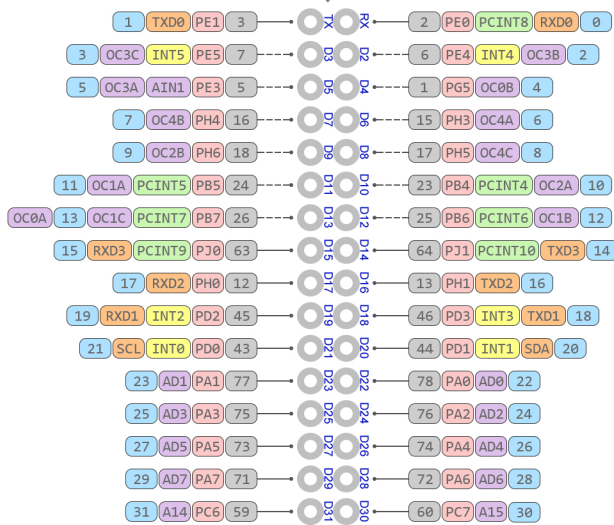Legend:

- ---- PWM-Wire
- Power
- Control
- GND
- Analog Pin
- Physical Pin
- Port Pin
- Serial Pin
- Interrupt Pin
- Pin function
- INT
- Arduino

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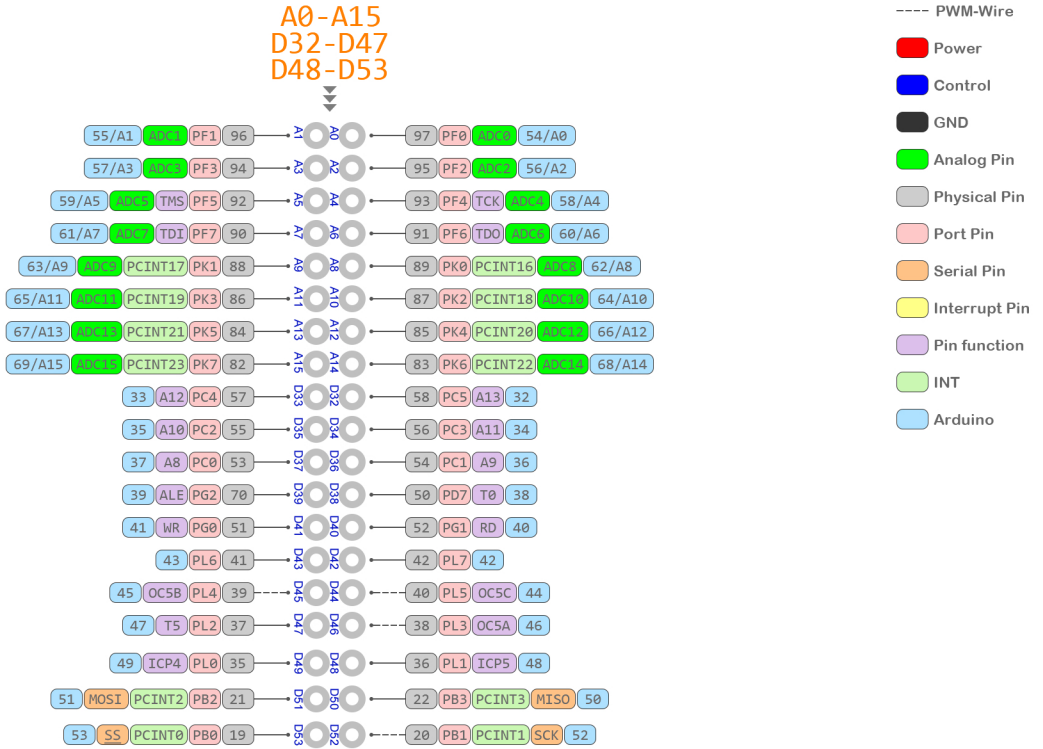25 Apr 2017

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PINOUT DIAGRAM

MEGA PRO CH340G /ATmega2560

A0-A15
D32-D47
D48-D53

Left					Pin	Pin				Right
55/A1	ADC1	PF1	96	A1	A0	97	PF0	ADC0	54/A0	
57/A3	ADC3	PF3	94	A3	A2	95	PF2	ADC2	56/A2	
59/A5	ADC5	TMS	PF5	92	A5	A4	93	PF4	TCK	ADC4	58/A4
61/A7	ADC7	TDI	PF7	90	A7	A6	91	PF6	TDO	ADC6	60/A6
63/A9	ADC9	PCINT17	PK1	88	A9	A8	89	PK0	PCINT16	ADC8	62/A8
65/A11	ADC11	PCINT19	PK3	86	A11	A10	87	PK2	PCINT18	ADC10	64/A10
67/A13	ADC13	PCINT21	PK5	84	A13	A12	85	PK4	PCINT20	ADC12	66/A12
69/A15	ADC15	PCINT23	PK7	82	A15	A14	83	PK6	PCINT22	ADC14	68/A14
33	A12	PC4	57	D33	D32	58	PC5	A13	32	
35	A10	PC2	55	D35	D34	56	PC3	A11	34	
37	A8	PC0	53	D37	D36	54	PC1	A9	36	
39	ALE	PG2	70	D39	D38	50	PD7	T0	38	
41	WR	PG0	51	D41	D40	52	PG1	RD	40	
43	PL6	41	D43	D42	42	PL7	42	
45	OC5B	PL4	39	D45	D44	40	PL5	OC5C	44	
47	T5	PL2	37	D47	D46	38	PL3	OC5A	46	
49	ICP4	PL0	35	D49	D48	36	PL1	ICP5	48	
51	MOSI	PCINT2	PB2	21	D51	D50	22	PB3	PCINT3	MISO	50
53	SS	PCINT0	PB0	19	D53	D52	20	PB1	PCINT1	SCK	52

ICSP PINOUT

				ICSP				
SCK	PCINT1	PB1	20		22	PB3	PCINT3	MISO
RESET	30		ICSP					
GND				5V				
				21	PB2	PCINT2	MOSI	

Legend:
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