

MR2P Pin Layout für Arduino Mega 2560

Arduino Mega 2560 PIN Mapping Tabelle für Rasen Roboter

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Pin	Pin Name	Mapped Pin Name	RasenRob Verwendung
4	PE2 (XCK0/AIN0)		
8	PE6 (T3/INT6)		
9	PE7 (CLK0/ICP3/INT7)		
26	PB7 (OC0A/OC1C/PCINT7)	Digital pin 13 (PWM)	Motor Links IN1
25	PB6 (OC1B/PCINT6)	Digital pin 12 (PWM)	Motor Links IN2
24	PB5 (OC1A/PCINT5)	Digital pin 11 (PWM)	Motor Links PWM
23	PB4 (OC2A/PCINT4)	Digital pin 10 (PWM)	Motor Rechts IN1
18	PH6 (OC2B)	Digital pin 9 (PWM)	Motor Rechts IN2
17	PH5 (OC4C)	Digital pin 8 (PWM)	Motor Rechts PWM
16	PH4 (OC4B)	Digital pin 7 (PWM)	Motor Mh IN1
15	PH3 (OC4A)	Digital pin 6 (PWM)	Motor Mh IN2
5	PE3 (OC3A/AIN1)	Digital pin 5 (PWM)	Motor Mh PWM
1	PG5 (OC0B)	Digital pin 4 (PWM)	frei
7	PE5 (OC3C/INT5)	Digital pin 3 (PWM)	FB 433MHZ Receiver - Interrupt 1
6	PE4 (OC3B/INT4)	Digital pin 2 (PWM)	Kontakt Schalter vorne - Interrupt 0
3	PE1 (TXD0)	Digital pin 1 (TX0)	DEBUG Konsole TX
2	PE0 (RXD0/PCINT8)	Digital pin 0 (RX0)	DEBUG Konsole RX
14	PH2 (XCK2)		

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27	PH7 (T4)		
28	PG3 (TOSC2)		
29	PG4 (TOSC1)		
30	RESET	RESET	
64	PJ1 (TXD3/PCINT10)	Digital pin 14 (TX3)	Kamera-Modul TX
63	PJ0 (RXD3/PCINT9)	Digital pin 15 (RX3)	Kamera-Modul RX
13	PH1 (TXD2)	Digital pin 16 (TX2)	GPS-Modul TX
45	PD2 (RXDI/INT2)	Digital pin 19 (RX1)	GPS-Modul RX
46	PD3 (TXD1/INT3)	Digital pin 18 (TX1)	NN Interrupt 5 oder Seriell 1 TX
12	PH0 (RXD2)	Digital pin 17 (RX2)	NN Interrupt 4 oder Seriell 1 RX
44	PD1 (SDA/INT1)	Digital pin 20 (SDA)	SDA für LCD + RTC
43	PD0 (SCL/INT0)	Digital pin 21 (SCL)	SCL für LCD + RTC
47	PD4 (ICP1)		
48	PD5 (XCK1)		
49	PD6 (T1)		
65	PJ2 (XCK3/PCINT11)		
66	PJ3 (PCINT12)		
67	PJ4 (PCINT13)		
68	PJ5 (PCINT14)		
69	PJ6 (PCINT 15)		
19	PB0 (SS/PCINT0)	Digital pin 53 (SS)	frei (SPI)
20	PB1 (SCK/PCINT1)	Digital pin 52 (SCK)	frei (SPI)

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21	PB2 (MOSI/PCINT2)	Digital pin 51 (MOSI)	frei (SPI)
22	PB3 (MISO/PCINT3)	Digital pin 50 (MISO)	frei (SPI)
35	PL0 (ICP4)	Digital pin 49	Lautsprecher
36	PL1 (ICP5)	Digital pin 48	frei
37	PL2 (T5)	Digital pin 47	frei
38	PL3 (OC5A)	Digital pin 46 (PWM)	frei
39	PL4 (OC5B)	Digital pin 45 (PWM)	Taste HOME
40	PL5 (OC5C)	Digital pin 44 (PWM)	frei
41	PL6	Digital pin 43	Taste STOP
42	PL7	Digital pin 42	frei
51	PG0 (WR)	Digital pin 41	Taste START
52	PG1 (RD)	Digital pin 40	frei
70	PG2 (ALE)	Digital pin 39	frei
50	PD7 (T0)	Digital pin 38	frei
53	PC0 (A8)	Digital pin 37	frei -.-
54	PC1 (A9)	Digital pin 36	frei -.-
55	PC2 (A10)	Digital pin 35	KontaktSchalter Hinten NN
56	PC3 (A11)	Digital pin 34	frei
57	PC4 (A12)	Digital pin 33	KontaktSchalter Vorne Links
58	PC5 (A13)	Digital pin 32	frei
59	PC6 (A14)	Digital pin 31	KontaktSchalter Vorne Rechts
60	PC7 (A15)	Digital pin 30	frei
71	PA7 (AD7)	Digital pin 29	frei
72	PA6 (AD6)	Digital pin 28	frei
73	PA5 (AD5)	Digital pin 27	Ultraschall Sensor Hinten Echo
74	PA4 (AD4)	Digital pin 26	Ultraschall Sensor Hinten Trigger

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75	PA3 (AD3)	Digital pin 25	Utraschall Sensor Vorne Links Echo
76	PA2 (AD2)	Digital pin 24	Utraschall Sensor Vorne Links Trigger
77	PA1 (AD1)	Digital pin 23	Utraschall Sensor Vorne Rechts Echo
78	PA0 (AD0)	Digital pin 22	Utraschall Sensor Vorne Rechts Trigger
79	PJ7		
82	PK7 (ADC15/PCINT23)	Analog pin 15	Batt. Spannung Messung
83	PK6 (ADC14/PCINT22)	Analog pin 14	Regen-Sensor
84	PK5 (ADC13/PCINT21)	Analog pin 13	Strom-Sensor Mähmotor
85	PK4 (ADC12/PCINT20)	Analog pin 12	Strom-Sensor Rad rechts
86	PK3 (ADC11/PCINT19)	Analog pin 11	Strom-Sensor Rad links
87	PK2 (ADC10/PCINT18)	Analog pin 10	Strom-Sensor Laden Akku
88	PK1 (ADC9/PCINT17)	Analog pin 9	frei
89	PK0 (ADC8/PCINT16)	Analog pin 8	frei
90	PF7 (ADC7)	Analog pin 7	
91	PF6 (ADC6)	Analog pin 6	
92	PF5 (ADC5/TMS)	Analog pin 5	
93	PF4 (ADC4/TMK)	Analog pin 4	
94	PF3 (ADC3)	Analog pin 3	
95	PF2 (ADC2)	Analog pin 2	
96	PF1 (ADC1)	Analog pin 1	
97	PF0 (ADC0)	Analog pin 0	
98	AREF	Analog Reference	