

# Mikrocontroller Mess-Station

Pinbelegung Betreuer

## ATMega8

Reset	1	PC6	Reset	ADC5/SCL	PC5	28	CO2 SCL
Comm. RxD	2	PD0	RXD	ADC4/SDA	PC4	27	CO2 SDA
Comm. TxD	3	PD1	TXD	ADC3	PC3	26	
Tristate (R/W)	4	PD2	INT0	ADC2	PC2	25	JP1: Daten kontinuierlich oder auf Befehl
	5	PD3	INT1	ADC1	PC1	24	
LED	6	PD4	XCK/T0	ADC0	PC0	23	MOSFET Heizwiderstand
+5V	7	VCC	VCC	GND	GND	22	
GND	8	GND	GND	AREF	AREF	21	
	9	PB6	XTAL1/TOSC1	AVCC	AVCC	20	
	10	PB7	XTAL2/TOSC2	SCK	PB5	19	LCD 14
DS1820 aussen	11	PD5	T1	MISO	PB4	18	LCD 13
DS1820 innen fern	12	PD6	AIN0	MOSI/OC2	PB3	17	LCD 12
DS1820 innen nah	13	PD7	AIN1	SS/OC1B	PB2	16	LCD 11
LCD 4	14	PB0	ICP1	OC1A	PB1	15	LCD 6

Pinbelegung Schüler:

1	Reset	28	SDA
2	RXD	27	SCL
3	TXD	26	JMP2 (K30/K33)
4	TRISTATE	25	JMP1 (LED)
5	Frei	24	Frei
6	LED	23	Gate (Heizwiderstand)
7	VCC	22	GND
8	GND	21	Reserviert
9	XTAL1	20	Reserviert
10	XTAL2	19	SCK + D7 LCD
11	Temp3 Heizwiderstand	18	MISO + D4 LCD
12	Temp2 OUT	17	MOSI + D5 LCD
13	Temp1 IN	16	D4 LCD
14	RS LCD	15	E LCD