Fallblatt-Controller

C1 100n

U1 ATMEGA328P-AU

VCC
AVCC
AREF

(CLKO/ICP1/PTCXY)PB0 12
(OC1A/PTCXY)PB1 13
(OC1B/SS0/PTCXY)PB2 14
(MOSI0/TXD1/OC2A/PTCXY)PB3 15
(MISO0/RXD1/PTCXY)PB4 16
(XCK0/SCK0/PTCXY)PB5 17
(XTAL1/TOSC1)PB6 7
(XTAL2/TOSC2)PB7 8

(MISO1/ADC0/PTCXY)PC0 23
(SCK1/ADC1/PTCXY)PC1 24
(ADC2/PTCXY)PC2 25
(ADC3/PTCXY)PC3 26
(SDA0/ADC4/PTCXY)PC4 27
(SCL0/ADC5/PTCXY)PC5 28
(RESET)PC6 29

Diese beiden Pins sind KEINE IO-Pins!

PE0(PTCXY/SDA1/ICP4/ACO) 3
PE1(PTCXY/SCL1/T4) 6
PE2(PTCY/ADC6/ICP3/SS1) 19
PE3(PTCY/ADC7/T3/MOSI1) 22

(RXD0/OC3A/PTCXY)PD0 30
(TXD0/OC4A/PTCXY)PD1 31
(OC3B/OC4B/INT0/PTCXY)PD2 32
(OC2B/INT1/PTCXY)PD3 1
(XCK0/T0/PTCXY)PD4 2
(OC0B/T1/PTCXY)PD5 9
(OC0A/AIN0/PTCXY)PD6 10
(AIN1/PTCXY)PD7 11

GND 5
GND 21

P1 ISP

R4 4.7k

Q2 BC817-40
TO_SOT_Packages_SMD:SOT-23

R6 180R
D2 Nullposition

R7 180R
D3 Impuls

Y1 ZTTCC8.00MG

SW1 DM-08-V

R1 10k +5V

C2 100n

U2 MAX485
RO
RE
DE
DI
VCC
A
B
GND

R5 150R

P3 Interface

Nur beim letzten Modul

C3 47u

Q1 MOC3081M
custom:Optocoupler_SMD_6pin

R2 180R

R3 68R

D1 BT134W-600.135

P2 Motor

P4 42V AC

R8 4.7k

Q3 BC817-40
TO_SOT_Packages_SMD:SOT-23