Megacard v4 - Schnittstellen

a) ISP (Programmieren):

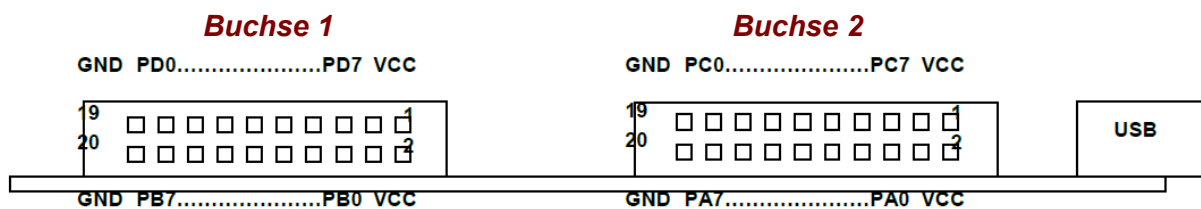|	
PROG_MISO	1 2 PROG_VCC
PROG_SCK	3 4 PROG_MOSI
PROG_RESET	5 6 PROG_GND
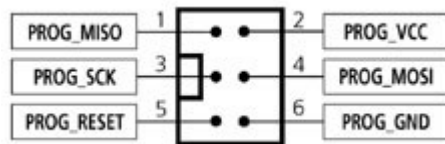
b) JTAG (Programmieren, OCD):

PROG_TCK	1 2 PROG_GND
PROG_TDO	3 4 PROG_VCC
PROG_TMS	5 6 PROG_RESET
PROG_VCC	7 8 N/C
PROG_TDI	9 10 PROG_GND
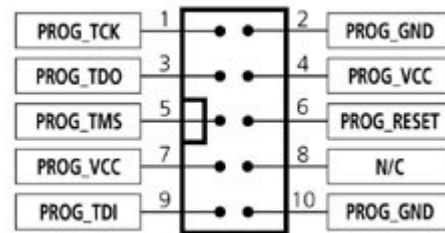
c) Parallele Schnittstellen:

Ansicht von vorne:

Buchse 1
GND PD0.....................PD7 VCC

Buchse 2
GND PC0.....................PC7 VCC

USB

GND PB7.....................PB0 VCC   GND PA7.....................PA0 VCC

Buchse 1:

PIN	Funktion	Anschluss	PIN	Funktion	Anschluss
20	GND		19	GND	
18	PB7 (SCK)	*LCD (D7)*, *ISP*	17	PD0 (RXD)	IR-Rx (1k5)
16	PB6 (MISO)	*LCD (D6)*, *ISP*	15	PD1 (TXD)	IR-Tx (1k5)
14	PB5 (MOSI)	*LCD (D5)*, *ISP*	13	PD2 (INT0)	USB- (1k5)
12	PB4 (SS)	Reset (X1), *ISP*	11	PD3 (INT1)	X5 (1k5)
10	PB3 (AIN1, OC0)	V5, → PA7(10k)	9	PD4 (OC1B)	
8	PB2 (AIN0, INT2)	USB- Pullup (1k5), *LCD (D4)*	7	PD5 (OC1A)	
6	PB1 (T1)	USB+ (68R)	5	PD6 (ICP1)	
4	PB0 (T0)	USB- (68R)	3	PD7 (OC2)	
2	VCC		1	VCC	

Buchse 2:

PIN	Funktion	Anschluss	PIN	Funktion	Anschluss
20	GND		19	GND	
18	PA7 (ADC7)	C10 (100n)	17	PC0 (SCL)	LED0 (X9)
16	PA6 (ADC6)	PTC (R25), *RS (LCD)*	15	PC1 (SDA)	LED1 (X9)
14	PA5 (ADC5)	R15 (3k3), R20 (Poti)	13	PC2 (TCK)	LED2, *JTAG*
12	PA4 (ADC4)	Piepser (X6), *E (LCD)*	11	PC3 (TMS)	LED3, *JTAG*
10	PA3 (ADC3)	Taster S3	9	PC4 (TDO)	LED4, *JTAG*
8	PA2 (ADC2)	Taster S2	7	PC5 (TDI)	LED5, *JTAG*
6	PA1 (ADC1)	Taster S1	5	PC6 (TOSC1)	LED6
4	PA0 (ADC0)	Taster S0	3	PC7 (TOSC2)	LED7
2	VCC		1	VCC	