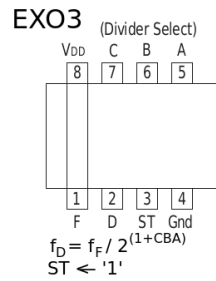


JTAG-burk		Liggande
1	TCK	16
2	GND	15
3	TDO	14
4	VTG	13
5	TMS	12
6	nSRST	11
7	N.C.	10
8	nTRST	9
9	TDI	8
10	GND	7



Sumo	Bil
1	Gnd
2	Gnd
3	Vcc
4	Vcc
5	DIR
6	PWM,DIR
7	PWM
8	Brake,servo
9	Sensor?
10	Sensor L,R

Pinouts ATmega16

(XCK/T0) PB0	1	40	PA0 (ADC0)
(T1) PB1	2	39	PA1 (ADC1)
(INT2/AIN0) PB2	3	38	PA2 (ADC2)
(OC0/AIN1) PB3	4	37	PA3 (ADC3)
(SS) PB4	5	36	PA4 (ADC4)
(MOSI) PB5	6	35	PA5 (ADC5)
(MISO) PB6	7	34	PA6 (ADC6)
(SCK) PB7	8	33	PA7 (ADC7)
RESET	9	32	AREF
VCC	10	31	GND
GND	11	30	AVCC
XTAL2	12	29	PC7 (TOSC2)
XTAL1	13	28	PC6 (TOSC1)
(RXD) PD0	14	27	PC5 (TDI)
(TXD) PD1	15	26	PC4 (TDO)
(INT0) PD2	16	25	PC3 (TMS)
(INT1) PD3	17	24	PC2 (TCK)
(OC1B) PD4	18	23	PC1 (SDA)
(OC1A) PD5	19	22	PC0 (SCL)
(ICP) PD6	20	21	PD7 (OC2)

Pinout ATmega1284P

(XCK0/T0) PB0	1	40	PA0 (ADC0)
(CLK0/T1) PB1	2	39	PA1 (ADC1)
(INT2/AIN0) PB2	3	38	PA2 (ADC2)
(OC0A/AIN1) PB3	4	37	PA3 (ADC3)
(OC0B/SS) PB4	5	36	PA4 (ADC4)
(ICP3/MOSI) PB5	6	35	PA5 (ADC5)
(OC3A/MISO) PB6	7	34	PA6 (ADC6)
(OC3B/SCK) PB7	8	33	PA7 (ADC7)
RESET	9	32	AREF
VCC	10	31	GND
GND	11	30	AVCC
XTAL2	12	29	PC7 (TOSC2)
XTAL1	13	28	PC6 (TOSC1)
(RXD0/T3) PD0	14	27	PC5 (TDI)
(TXD0) PD1	15	26	PC4 (TDO)
(RXD1/INT0) PD2	16	25	PC3 (TMS)
(TXD1/INT1) PD3	17	24	PC2 (TCK)
(XCK1/OC1B) PD4	18	23	PC1 (SDA)
(OC1A) PD5	19	22	PC0 (SCL)
(OC2B/ICP) PD6	20	21	PD7 (OC2A)

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16

pin koppling

1	Gnd
3	N/C
5	I ² C_SCL ↔
7	I ² C_SDA ↔
9	N/C
11	N/C
13	GPIO27 ←
15	GPIO17 ←

2	Gnd
4	N/C
6	SPI_MOSI →
8	SPI_MISO ←
10	SPI_SCLK →
12	SPI_CE0 →
14	SPI_CE1 →
16	GPIO22 →

TTL-232R-5V (USB<->UART)

Colour	Name	Type
Black	GND	GND
Brown	CTS#	Input
Red	VCC	Output
Orange	TXD	Output
Yellow	RXD	Input
Green	RTS#	Output

MC14067B
PIN ASSIGNMENT

X	1	24	V _{DD}
X7	2	23	X8
X6	3	22	X9
X5	4	21	X10
X4	5	20	X11
X3	6	19	X12
X2	7	18	X13
X1	8	17	X14
X0	9	16	X15
A	10	15	INH
B	11	14	C
V _{SS}	12	13	D

OUT	26	25	CH11
CH11	24	23	CH10
CH10	22	21	CH9
CH9	20	19	CH8
CH8	18	17	
CH7	16	15	CH7
CH6	14	13	CH6
CH5	12	11	CH5
CH4	10	9	
CH3	8	7	CH4
CH2	6	5	CH3
CH1	4	3	CH2
	2	1	CH1

