

Modul	M128	Port	Port#	PortBit	Name1	Name2	Intern	Bemerkungen
	1				PEN			prog. Enable
X1_16	2	PE0	4	32	RXD0	PDI	EXT-RXD0	RS232
X1_15	3	PE1	4	33	TXD0	PDO	EXT-TXD0	RS232
X1_14	4	PE2	4	34	AIN0	XCK0		Analog Comparator
X1_13	5	PE3	4	35	AIN1	OC3A		Analog Comparator
X1_12	6	PE4	4	36	INT4	OC3B	EXT-T1	Taste1 (SW1)
X1_11	7	PE5	4	37	INT5	OC3C	TX-REQ	SPI_TX_REQ
X1_10	8	PE6	4	38	INT6	T3	EXT-T2	Taste2 (SW2) / Eingang Timer 3
X1_9	9	PE7	4	39	INT7	IC3	EXT-DATA	LCD_Interface
X1_8	10	PB0	1	8	SS			SPI
X1_7	11	PB1	1	9	SCK			SPI
X1_6	12	PB2	1	10	MOSI			SPI
X1_5	13	PB3	1	11	MISO			SPI
X1_4	14	PB4	1	12	OC0		RX-BUSY	SPI_RX_BUSY
X1_3	15	PB5	1	13	OC1A		EXT-A1	DAC1
X1_2	16	PB6	1	14	OC1B		EXT-A2	DAC2
X1_1	17	PB7	1	15	OC1C	OC2	EXT-SCK	LCD_Interface
X2_5	18	PG3	6	51	TOSC2		LED1	Leuchtdiode
X2_6	19	PG4	6	52	TOSC1		LED2	Leuchtdiode
X2_3	20				RESET			
X4_10	21				VCC			
X4_12	22				GND			
	23				XTAL2			Oscillator
	24				XTAL1			Oscillator
X2_9	25	PD0	3	24	INT0	SCL	EXT-SCL	I2C
X2_10	26	PD1	3	25	INT1	SDA	EXT-SDA	I2C
X2_11	27	PD2	3	26	INT2	RXD1	EXT-RXD1	RS232
X2_12	28	PD3	3	27	INT3	TXD1	EXT-TXD1	RS232
X2_13	29	PD4	3	28	IC1	A16		IC Timer 1, SRAM bank select
X2_14	30	PD5	3	29	XCK1		LCD-E	LCD_Interface
X2_15	31	PD6	3	30	T1			Eingang Timer 1
X2_16	32	PD7	3	31	T2		KEY-E	LCD_Interface / Eingang Timer 2
X2_7	33	PG0	6	48	WR			WR SRAM
X2_8	34	PG1	6	49	RD			RD SRAM

X4_8	35	PC0	2	16	A8			ADR SRAM
X4_7	36	PC1	2	17	A9			ADR SRAM
X4_6	37	PC2	2	18	A10			ADR SRAM
X4_5	38	PC3	2	19	A11			ADR SRAM
X4_4	39	PC4	2	20	A12			ADR SRAM
X4_3	40	PC5	2	21	A13			ADR SRAM
X4_2	41	PC6	2	22	A14			ADR SRAM
X4_1	42	PC7	2	23	A15			ADR SRAM
X2_4	43	PG2	6	50	ALE			Latch
X3_16	44	PA7	0	7	AD7			A/D SRAM
X3_15	45	PA6	0	6	AD6			A/D SRAM
X3_14	46	PA5	0	5	AD5			A/D SRAM
X3_13	47	PA4	0	4	AD4			A/D SRAM
X3_12	48	PA3	0	3	AD3			A/D SRAM
X3_11	49	PA2	0	2	AD2			A/D SRAM
X3_10	50	PA1	0	1	AD1			A/D SRAM
X3_9	51	PA0	0	0	AD0			A/D SRAM
X4_10	52				VCC			
X4_12	53				GND			
X3_8	54	PF7	5	47	ADC7	TDI-JTAG		
X3_7	55	PF6	5	46	ADC6	TDO-JTAG		
X3_6	56	PF5	5	45	ADC5	TMS-JTAG		
X3_5	57	PF4	5	44	ADC4	TCK-JTAG		
X3_4	58	PF3	5	43	ADC3			
X3_3	59	PF2	5	42	ADC2			
X3_2	60	PF1	5	41	ADC1			
X3_1	61	PF0	5	40	ADC0			
X4_11	62				AREF			
X4_12	63				GND			
X4_9	64				AVCC			