

Pinout

	red	green	white
		RxD	TxD
ISP connector	Vcc	PTF4	PTF5
J1	2	4	6
	1	3	5
	Gnd	PTE2	PTE3
		SCL	SDA
	blue	yellow	orange

2-channels OE

		Side-Expansion			
		J5			
	Vcc	1	2	Gnd	
4-channels OE	HLB1	3	4	HLB2	Input
	SCK	PTF0	5	6	HLB4
		PTD4	7	8	HLB6
			9	10	HLB10
	Input	PTA5	11	12	PTF3
	Input	PTA6	13	14	PTF2
	Input	PTA7	15	16	24V

		LCD-Expansion			
		J2			
	Vcc	2	1	Gnd	
MISO	PTF3	4	3	PTF2	MOSI
	Reset	6	5	PTF0	SCK
	PTD5	8	7	PTD6	
	PTC3	10	9	PTD4	
	24V	12	11	PTC2	
	Gnd	14	13	15V	

Pinout

Outer Expansion	J4		
	A	B	C
	D	E	F

Inner-Expansion (posts)					
J3					
	Vcc	1	2	Gnd	
HLB15	PTC4	3	4	PTA3	Output
SCK	PTF0	5	6	PTA4	Output
Output	PTA2	7	8	PTD4	Input
Output	PTA1	9	10	HLB7	Output
MISO	PTF3	11	12	HLB9	Output
MOSI	PTF2	13	14	24V	

M41T56		
PTE3 / TCLKA	SDA	5 4
PTE2 / TCH1B	SCL	6 3
		7 2
		8 1

Pinout

Monitor Mode

serial data	PTA0	solder on PCB	blue
down=serial	PTA7	OK	
down=fast	PTC2		
up	PTC3	solder on PCB	black
down	PTC4	OK	
	Reset	OK	
Vhi	IRQ	solder on PCB	red

Inputs Digital/Analog

	J6
PTE4	I1
PTE5	I2
PTE6	I3
PTE7	I4
PTB7/ATD7	I5
PTB6	I6
PTB5	I7
PTB4	I8
PTB3	I9
PTB2	I10
PTB1	I11
PTB0/ATD0	I12

Outputs / Relays

	J7
PWM1	O1
PWM2	O2
PWM3	O3
PWM4	O4
PWM5	O5
PWM6	O6
PTE0	O7
PTE1	O8