

XTAL2	PA7(AD7) PA6(AD6) PA5(AD5)	44 PA7 45 PA6 46 PA5 47 PA4
XTAL1	PA4(AD4) PA3(AD3) PA2(AD2)	47 PA4 48 PA3 49 COM1 50 P1 0 5
VCC	PA0(AD0)	51 3.3V E
GND GND	PB6(PCINT6/OC.1B) PB5(PCINT5/OC.1A) PB4(PCINT4/OC.2A)	16 PB6 15 PB5 14 PB4 13 FOC
AREF	PB2(PDI/PCINT2/MOSI) PB1(PCINT1/SCK) PB0(SS/PCINT0)	12 FOC2 11 SHT 10 SHT2
AVCC GND	PC7(A15/IC.3/CLK0) PC6(A14/OC.3A)	42 TX_5V 41 RX_5V 40 PC5
D+ D-	PC4(A12/OC.3C) PC3(A11/T.3) PC2(A10)	39 PC4 38 PC3 37 PC2 36 PC1
UGND UVCC	PC0(A8)	35 PC0 32 PD7
UCAP VBUS	PD7(T0) PD6(T1) PD5(XCK1) PD4(ICP1) PD3(TXD1/INT3) PD2(RXD1/INT3) PD1(C.2B/SD4/INT1) PD0(OC.2B/SD4/INT1)	31 PD6 30 PD5 29 DE 28 TXA 27 RXA 26 PD1 25 PD0
PF7(ADC7/TDI) PF6(ADC6/TDO) PF5(ADC5/TMS) PF4(ADC4/TCK) PF3(ADC3) PF2(ADC2) PF1(ADC1) PF0(ADC1) AT90USB1287-MU	PE7(INT7/AIN1/IUVCON)	2 PE7 1 COM3 19 E-STOP 18 COM2 9 PE3 43 PE2 34 PE1 33 PE0
	XTAL1 VCC VCC GND AREF AVCC GND D+ D- UGND UVCC UCAP VBUS PF7(ADC7/TDI) PF6(ADC6/TDO) PF5(ADC7/TDK) PF3(ADC3/TDK) PF3(ADC3) PF1(ADC2) PF1(ADC1) PF1(ADC1)	PAG(ADE) XTAL2