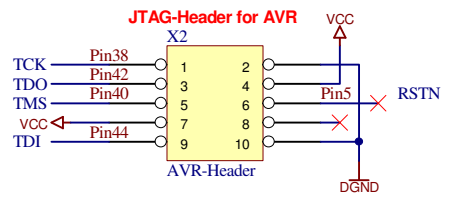


RF-Header Pin Description

| Port | deRFmega128 ATmega128RFA1 | deRFarm7-x5xx1 AT91SAM7X512-CU | Port | deRFmega128 ATmega128RFA1 | deRFarm7-x5xx1 AT91SAM7X512-CU |
|-------|------------------------------|-----------------------------------|-------|------------------------------|-----------------------------------|
| Pin23 | GND | GND | Pin24 | VCC | VCC |
| Pin22 | GND | GND | Pin25 | GND | GND |
| Pin21 | PB5/OC1A/PCINT5 | PB15/ERXDV/ECRSDV | Pin26 | PE0/RXD0/PCINT8 | PA27/DRXD/PCK3 |
| Pin20 | PB7/OC0A/OC1C/PCINT7 | PB18/EF100/ADTRG | Pin27 | PD2/RXD1/INT2 | PA0/RXD0 |
| Pin19 | PB4/OC2/PCINT4 | PB6/ERX1 | Pin28 | PE1/TXD0 | PA28/DTXD |
| Pin18 | PB6/OC1B/PCINT6 | PB8/EMDC | Pin29 | PD6/T1 | PA4/CTS0/SPI1_NPCS3 |
| Pin17 | PB3/MISO/PCINT3/PDO | PA16/SPI0_MISO | Pin30 | PE2/XCK0/AIN0 | PB9/EMDIO |
| Pin16 | PB0/SSN/PCINT0 | PB0/ETXCK/EREFCK | Pin31 | PE3/OC3A/AIN1 | PB21/PWM2/PCK1 |
| Pin15 | PB2/MOSI/PCINT2/PDI | PA17/SPI0_MOSI | Pin32 | PD4/ICP1 | USBDP |
| Pin14 | CLKI | PA3/RTS0/SPI1_NPCS2 | Pin33 | PE4/OC3B/INT4 | PB19/PWM0/TCLK1 |
| Pin13 | PB1/SCK/PCINT1 | PA18/SPI0_SPCK | Pin34 | PF0/ADC0 | PB27/TIOA2/PWM0/AD0 |
| Pin12 | PD5/XCK1 | PB2/ETX0 | Pin35 | PE5/OC3C/INT5 | PA14/SPI0_NPCS2/IRQ1 |
| Pin11 | PD7/T0 | PB25/TIOA1/DTR1 | Pin36 | PF1/ADC1 | PB28/TIOB2/PWM1/AD1 |
| Pin10 | PD3/TXD1/INT3 | PA1/TXD0 | Pin37 | PE6/T3/INT6 | PB5/ERX0 |
| Pin9 | PD1/SDA/INT1 | PA10/TWD | Pin38 | PF4/ADC4/TCK | TCK |
| Pin8 | PG5/OC0B | PB26/TIOB1/R11 | Pin39 | PE7/ICP3/CLKO/INT7 | PB7/ERXER |
| Pin7 | PD0/SCL/INT0 | PA11/TWCK | Pin40 | PF5/ADC5/TMS | TMS |
| Pin6 | PG2 | PB3/ETX1 | Pin41 | PF2/ADC2 | PB1/ETXEN |
| Pin5 | RSTN | RSTN | Pin42 | PF6/ADC6/TDO | TDO |
| Pin4 | PG1/DIG1 | USBDM | Pin43 | RSTON | RSTON |
| Pin3 | AREF | ADVREF | Pin44 | PF7/ADC7/TDI | TDI |
| Pin2 | GND | GND | Pin45 | GND | GND |
| Pin1 | VCC | VCC | Pin46 | GND | GND |



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|------------------|--|--------------------|--|---|--|
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| Sheet 1 of 1 | | Rev: 1.0 | | | |