

# TE0630 JTAG connector

JTAG signals are available at:

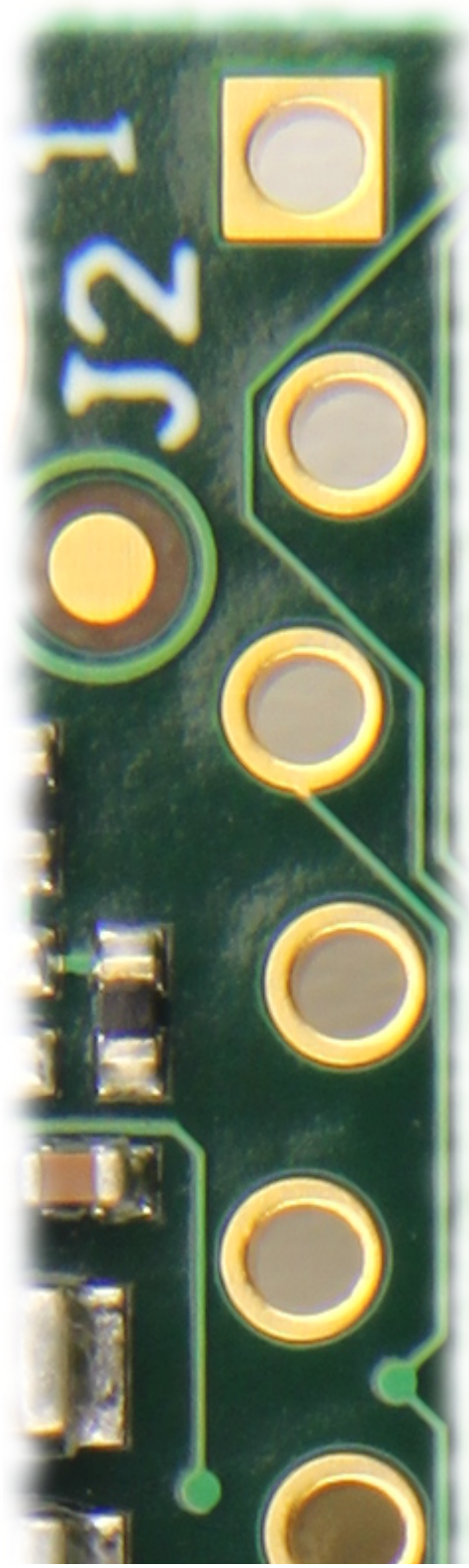
- gender-inverted standard 6-pin JTAG header connector J2;
- B2B connector J4.

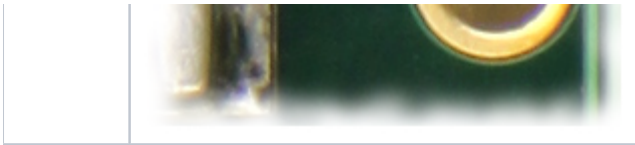
## JTAG Connector J2

The offset holes of header J2 allow a removable press fit of standard 0.100 inch header pins to connect flying leads without any soldering necessary.

JTAG signals are available on the dedicated header J2 through a JTAG programmer with flying leads as described in the table below.

TMS	
TDI	
TDO	
TCK	
GND	
Vref (2.5 V)	





**JTAG header J2 pin-out**

To connect your computer to JTAG connector J2, you typically need

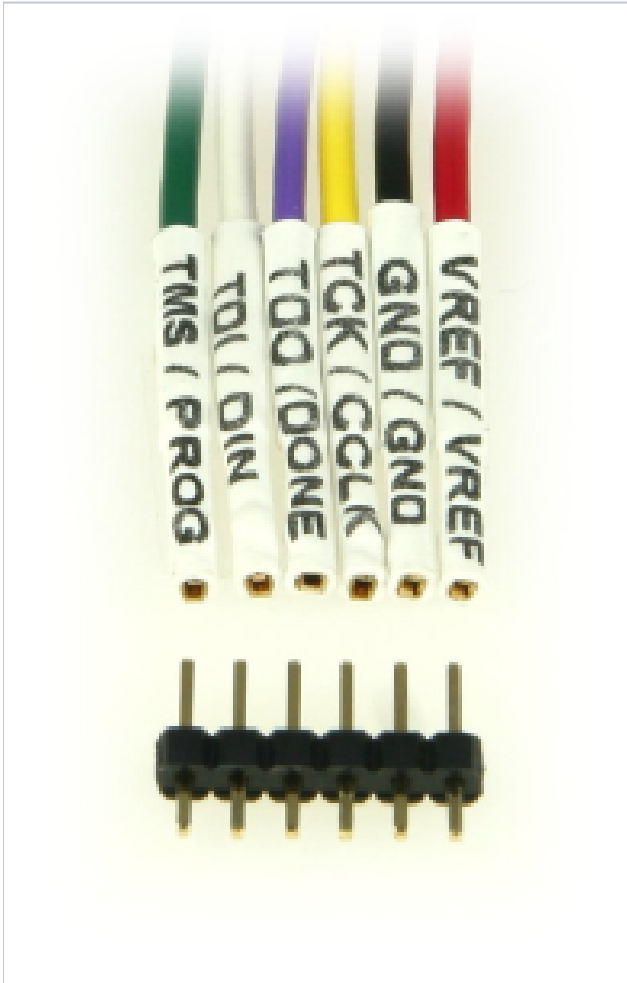
- a JTAG cable with standard 6-pin JTAG female header;
- a 2.54 mm pitch 1 × 6 pin gender changer header.

Some examples of JTAG cable set are listed in the table below.

JTAG cable	flying leads	software	gender changer
Xilinx Platform Cable USB	included	Xilinx iMPACT	1 × 6 pin
Digilent XUP USB-JTAG Programming Cable	XUP Fly Wire Assembly	Xilinx iMPACT	1 × 6 pin
Digilent JTAG-USB Full Speed Module	included	Xilinx iMPACT Digilent Adept 2.0	1 × 6 pin
JTAG HS1 Programming Cable	not needed	Xilinx iMPACT Digilent Adept 2.0	not needed
JTAG HS1 Programming Cable	not needed	Xilinx iMPACT Digilent Adept 2.0	not needed

**Some examples of JTAG cable set.**

Figure below shows a standard 6-pin JTAG female header, in this case flying leads, with a gender changer header.



**Standard 6-pin JTAG female header with gender changer.**

The JTAG is ideal for quick configuration and effective debugging.

## JTAG lines at B2B connector J4

JTAG signal lines are also available at B2B connector JM4 (pins 70, 72, 74, 76, 78 and 80). See the corresponding [pin-out table](#) for additional information on these signals.