

TE0300 JTAG Interface

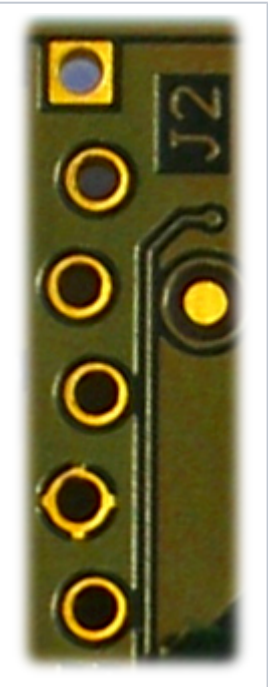
JTAG signals are available at:

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

JTAG Header 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 (3.3 V)	

JTAG header (J2).

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

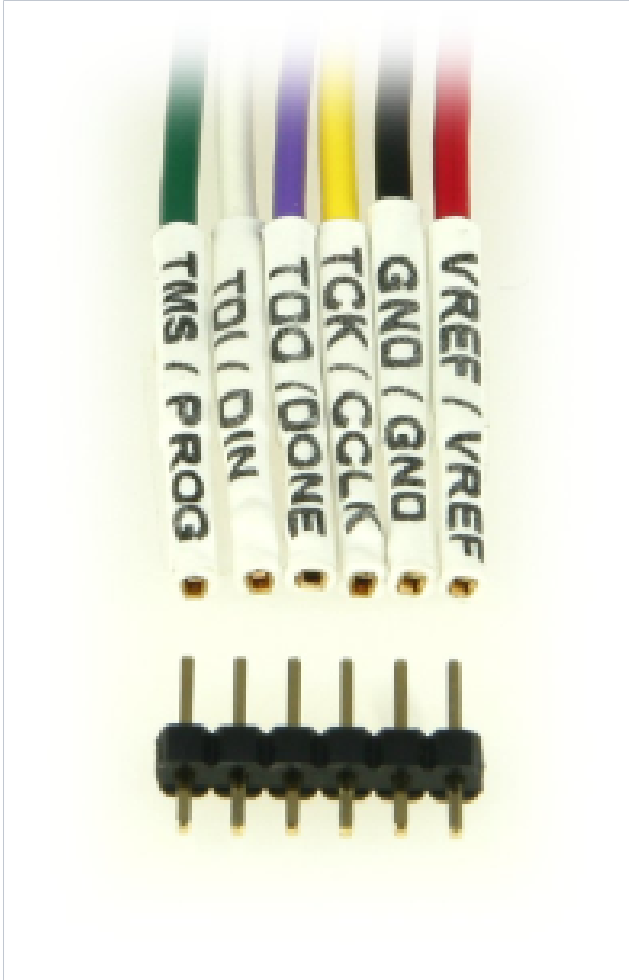
- a JTAG cable with standard 6-pin JTAG female header;
- a 2.54 mm pitch 1 × 6 pin gender changer header.

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.