

TE0722 Getting Started

 A circular badge with a green border. Inside, a black space helmet is shown with a skull and crossed wrench and screwdriver inside the visor. The text "2015 HACKADAY PRIZE" is arched across the top and "SEMIFINALIST" is arched across the bottom.	2015 First year an Xilinx 7 series based product or Zynq based product passed into semifinals for the HackdaDay prize Trip To Space A small step for those on the way to All Programmable world?	 A large teal gear icon with a white circle in the center. open source hardware
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Overview



Power supply

TE0722 need external 3.3V power supply. It is possible but not recommended to supply TE0722 with TE0790 programmer, but only for small designs (max ~300mA over XMOD possible).

If TE0722 is powered via XMOD (max. ~ 300mA), use XMOD DIP-Switch:

POS	Value
1	ON
2	OFF
3	ON
4	ON

If TE0722 is powered with external 3.3V, use XMOD DIP-Switch:

POS	Value
1	ON
2	OFF
3	OFF
4	OFF

DIP-Switches

There are no DIPs on TE0722. In case of TE0790 (XMOD) usage, see power supply section.

LEDs

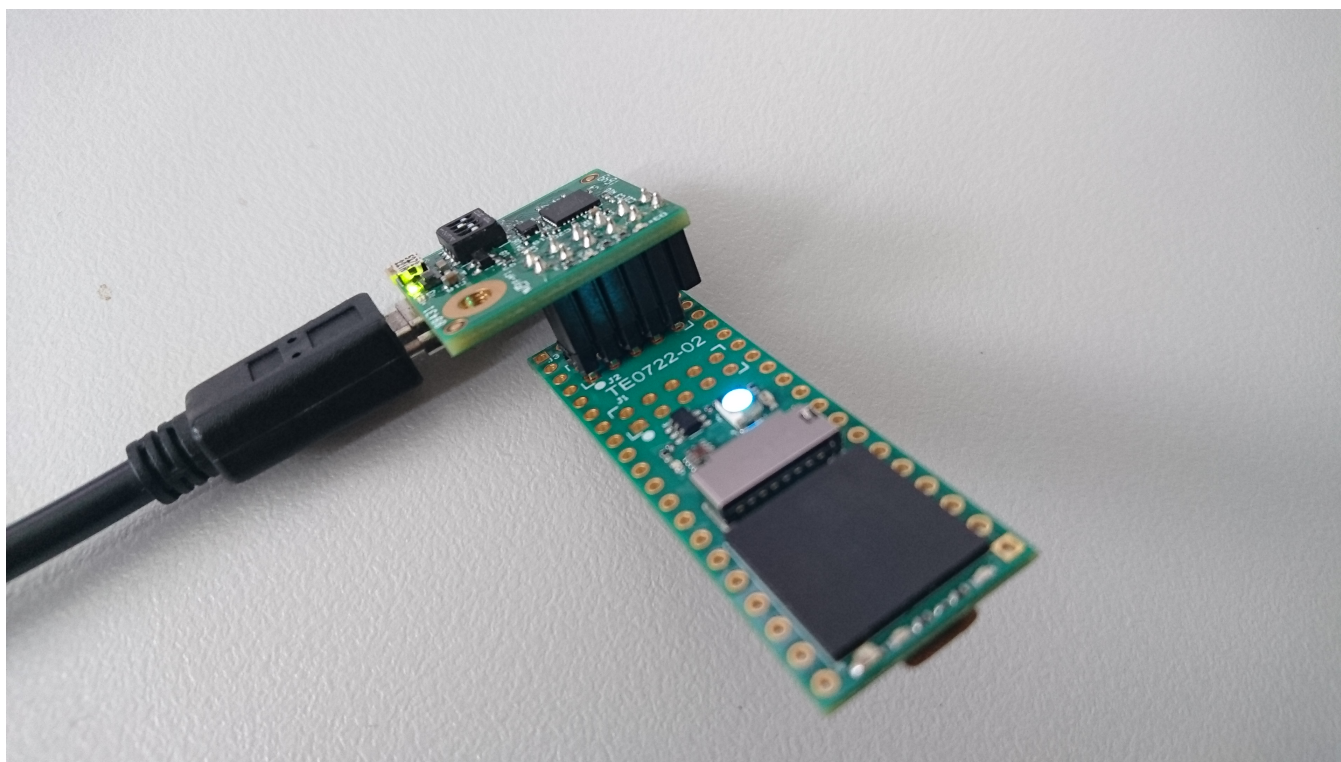
Working in process. Will be coming soon.

JTAG/UART

JTAG and UART is possible over J2 connector.



Use XMOD (TE0790) Programmer with special firmware

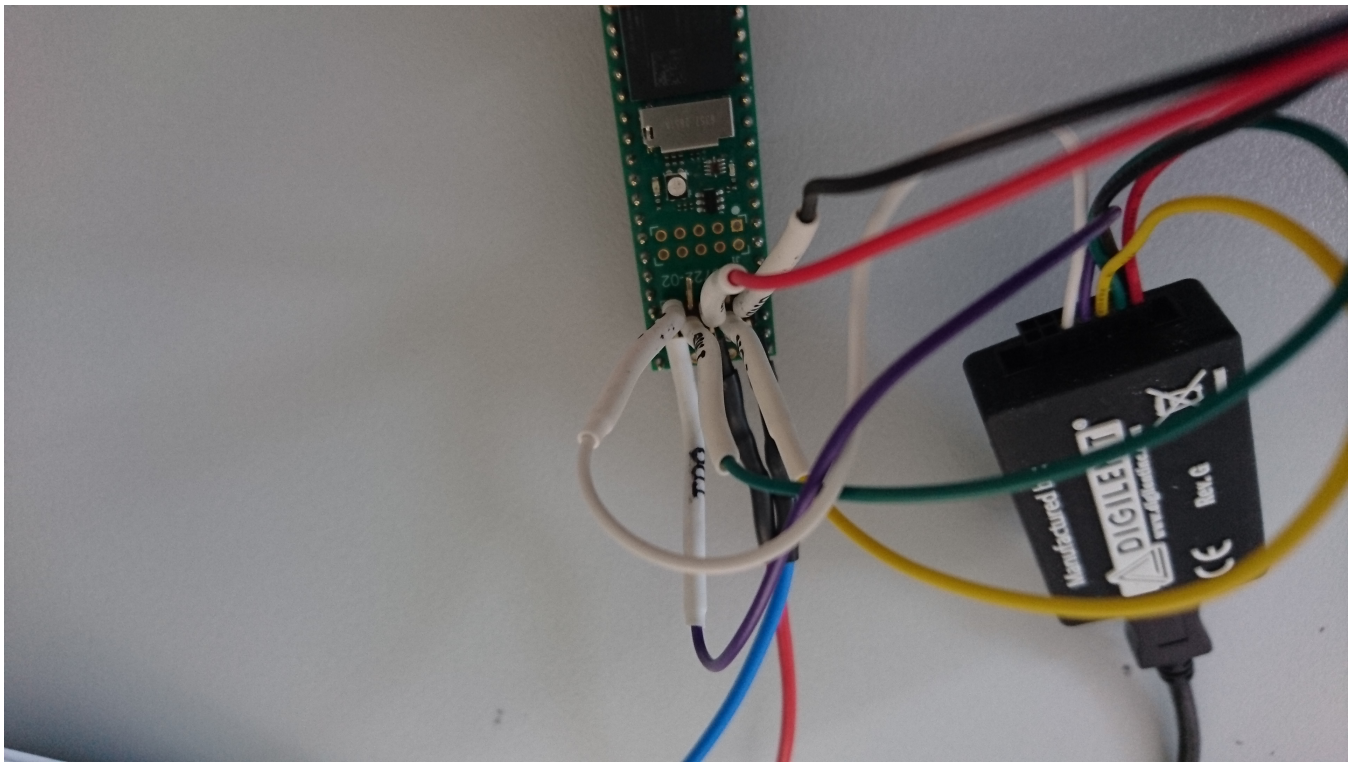


XMOD Programmer support JTAG and UART over same USB cable.



- XMOD DIP Switch settings: See power supply section
- XMOD Firmware: Special XMOD CPLD Firmware is needed, see: [TE0790 CPLD Firmware](#) Firmware (SC-PGM-TE0790-0203_XMOD_DIP40-01_20170426) is available on : [TE0790 Download Area](#)/[<Revision>/Firmware](#)

Use other JTAG Programmer



With other Programmer only JTAG is possible. UART must be connected separate.

TE0722-J2 Pin	TE0722-Name	Platform Cable - Name	Platform Cable - Color	external power supply
1	GND	--	--	GND
2	GND	GND	black	--
3	B34_L4_N(def. UART TX)	--	--	--
4	TCK	TCK	yellow	--
5	3.3V	VREF	red	--
6	3.3V	--	--	3.3V
7	B34_L10_P(def. UART RX)	--	--	--
8	TMS	TMS	green	--
9	TDI	TDI	white	--
10	TDO	TDO	violet	--

Reference Designs

- [TE0722 Reference Designs](#)

Notes

- [TE0722 Resources](#)

- [DDR less ZYNQ Design](#)
- [TE0790 Resources](#)