TEB0728 Getting Started

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TEB0728 with TE0728

Overview
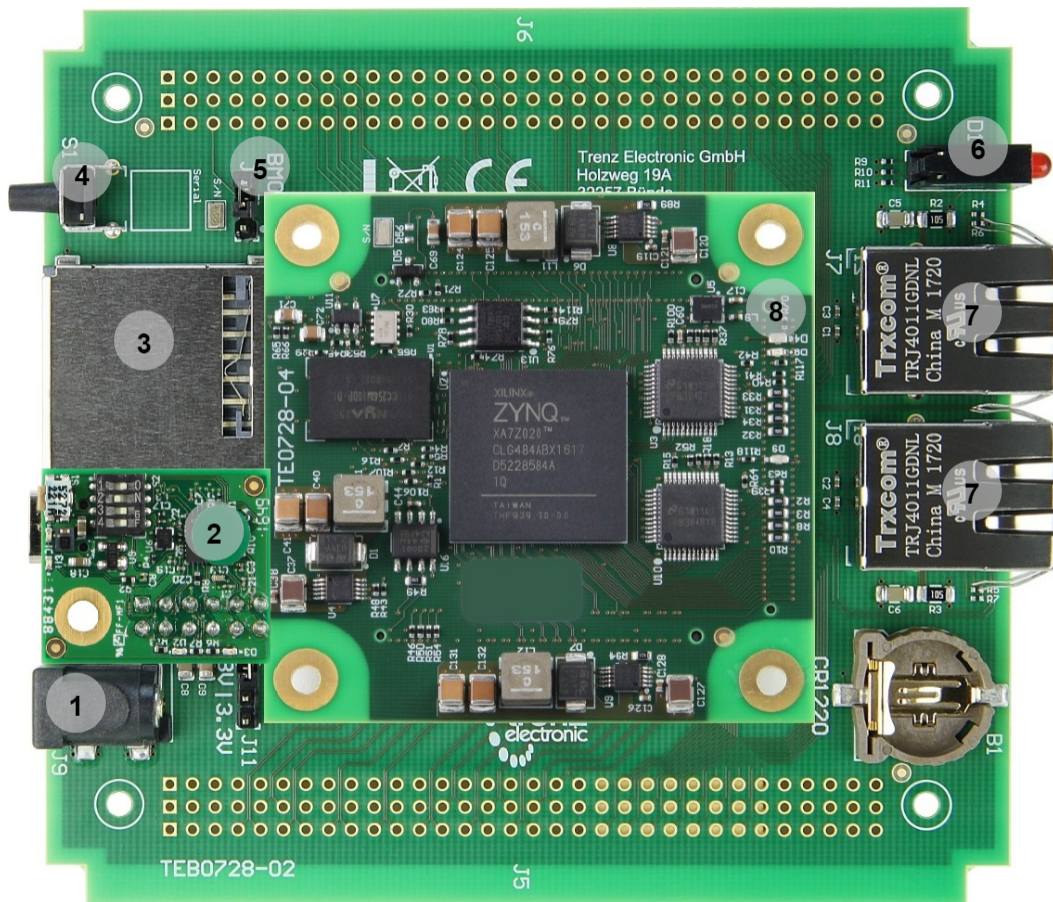
Board Overview

1. Barrel Jack Power Supply

2. XMOD JTAG Adapter
3. SD card holder
4. Reset
5. Boot mode Jumper
6. Carrier LEDs (Red,Yellow,Green) D1
7. Ethernet Socket
8. Module LEDs (Green D4, Red D8)

Power supply

Single 5V power supply with minimum current capability of 2.5A is recommended to power on the board.

Overview 1	Supply Voltage	Min Current	Note
Power Supply J9	5 V	2.5 A	

DIP-Switches and Push Buttons

There is a switch (S1) which is connected to RESET signal, it resets the system entirely.

Overview 4	Connected to	B2B	Active Level
DIP Switches /Push Buttons S1	RESET	J2-7	Active High

There is no DIPs on TE0728. In case of TE0790 (XMOD) usage, see DIPs mode.

Jumpers

Overview 5	Connected to	B2B	Note
J4	Boot_R	J2-11	Open: QSPI
			Short: SD Card

Jumpers

LEDs

There are three user LEDs on the carrier TEB0728 which can be used for variant purposes.

Overview 6	Color	Connected to	B2B	Active Level	Note
D1-A	Red	MIO48	J2-30	Active high	User LED
D1-B	Yellow	MIO49	J2-38	Active high	User LED
D1-C	Green	MIO50	J2-36	Active high	User LED

Carrier LEDs

Furthermore, there are two user LEDs on module TE0728.

Overview 8	Color	Connected to	B2B	Active Level	Note
D4	Green	Bank33 pin V18	-	Active high	User LED
D9	Green	DONE_0			DONE pin

| D8 | Red | MIO7 | - | Active high | User LED |

Module LEDs

JTAG/UART

JTAG and UART connections are available through XMOD JTAG adapter. For more information refer to TE0790.

DIP Switch on the XMOD JTAG adapter must be set like the following table.

Overview 2	DIP Switch	Setting
JB1	1	ON
	2	OFF
	3	OFF
	4	ON

XMOD JTAG DIP Switch

Reference Designs

- TE0728 Reference Designs

Notes

- TE0728 Resources
- TEB0728 Resources
- TE0790 Resources