

TE0820 Reference Designs

Description for the newest Design Version

Reference Designs	Demo Designs	Tutorial Designs
<ul style="list-style-type: none">• TE0820 Test Board<ul style="list-style-type: none">◦ Vitis/Vivado 2023.2◦ PetaLinux◦ SD◦ ETH◦ USB◦ I2C◦ RTC◦ FMeter◦ MAC from EEPROM◦ User LED (PCB REV03 only)◦ Modified FSBL for SI5338 programming	<ul style="list-style-type: none">• TE0820 TD TEF1002 (only for use with TEF1002 Carrier)<ul style="list-style-type: none">◦ Vitis/Vivado 2019.2◦ PetaLinux◦ PCIe (endpoint)◦ SATA◦ SD◦ ETH◦ USB◦ I2C◦ RTC◦ FMeter◦ MAC from EEPROM◦ User LED (PCB REV03 only)◦ Modified FSBL for SI5338 programming◦ Special FSBL for QSPI programming	<ul style="list-style-type: none">• TE0820 test board Vitis AI 3.0 Tutorial<ul style="list-style-type: none">◦ AMD Vitis 2022.2◦ Vitis AI 3.0◦ Vitis custom extensible platform◦ PetaLinux 2022.2 extension with AI 3.0 for Vitis◦ Vector addition◦ ResNet50 on DPU◦ Vehicleclassification on DPU with video input from USB camera
	<ul style="list-style-type: none">• TE0820 HDMI701 (only for use with TE0701 Carrier)<ul style="list-style-type: none">◦ Vitis/Vivado 2019.2◦ PetaLinux◦ Linux Debian 9 (Stretch) or Linux Ubuntu 18.04 (Bionic Beaver)◦ HDMI◦ SD◦ ETH (use EEPROM MAC)◦ USB◦ I2C◦ TE0701◦ RTC◦ Modified FSBL for SI5338 programming and DMA (for HDMI)◦ Special FSBL for QSPI programming	

Basic Documentation and Notes

- [AMD Development Tools](#)
 - [TE Board Part Files](#)
 - [TE Board Part Installation Options](#)
- [PetaLinux KICKstart](#)
- [TE Reference Design - Project Delivery](#)

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