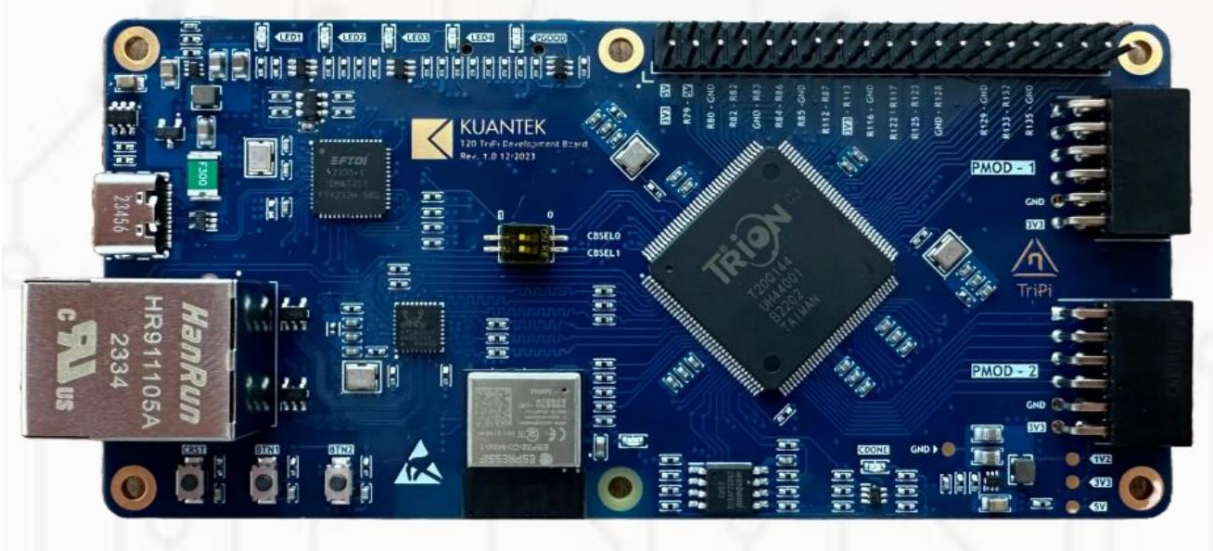
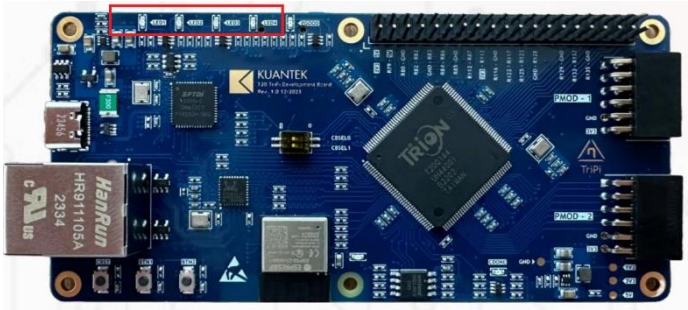
Tripi Kart Tanıtımı

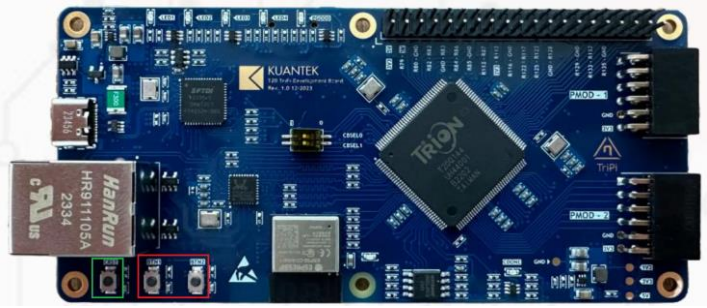
FPGA'in tanıtımını yapmıştık. Biz bu Seri boyunca Kuantek yapımı Tripi FPGA kartını kullanacağız. Kartın kısımlarını ve adım adım ne işe yaradıklarından bahis edelim.



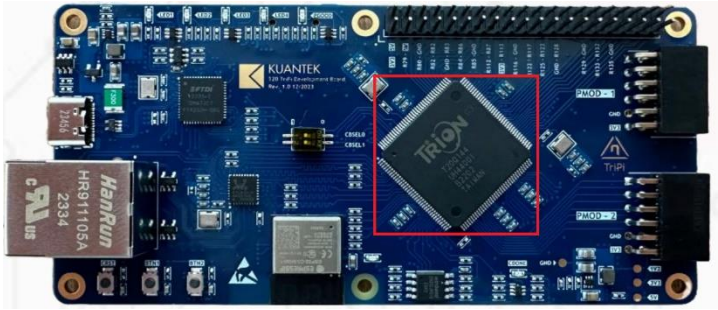
Ledler: Output amaçlı kullanılması için.



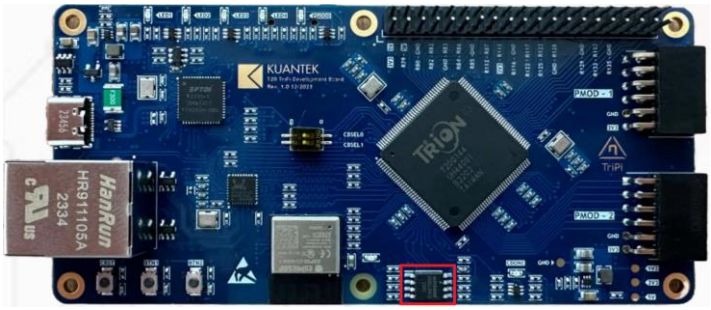
Butonlar: İnput amaçlı kullanmamız için. Yeşille gösterilen buton reset atıyor.



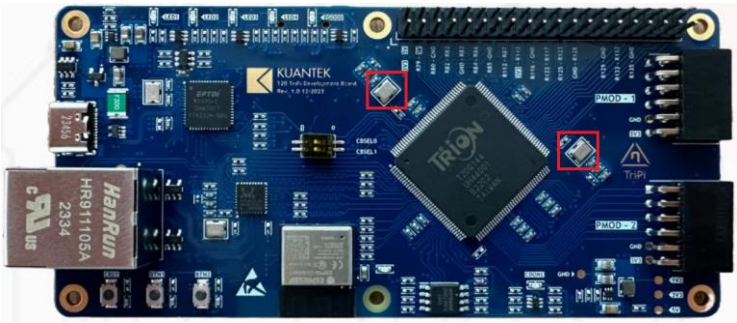
FPGA:TRION T20144



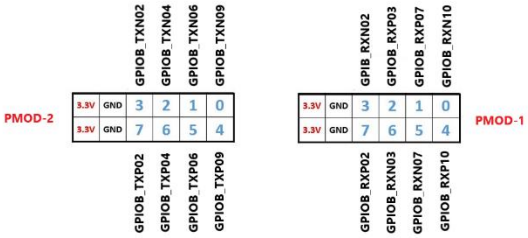
Flash: Hafıza görevini görüyor



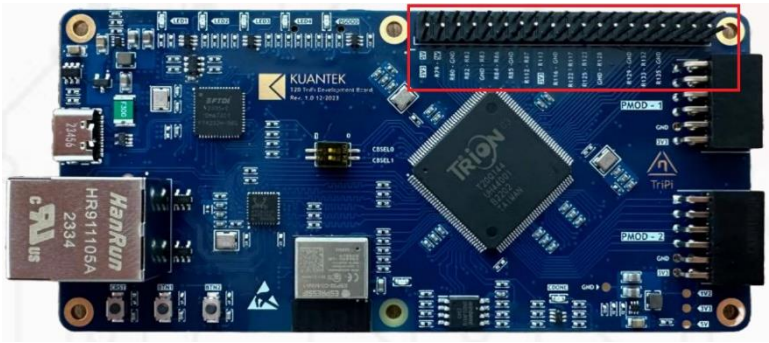
Osilatörler: Clock sinyali üretmek için.

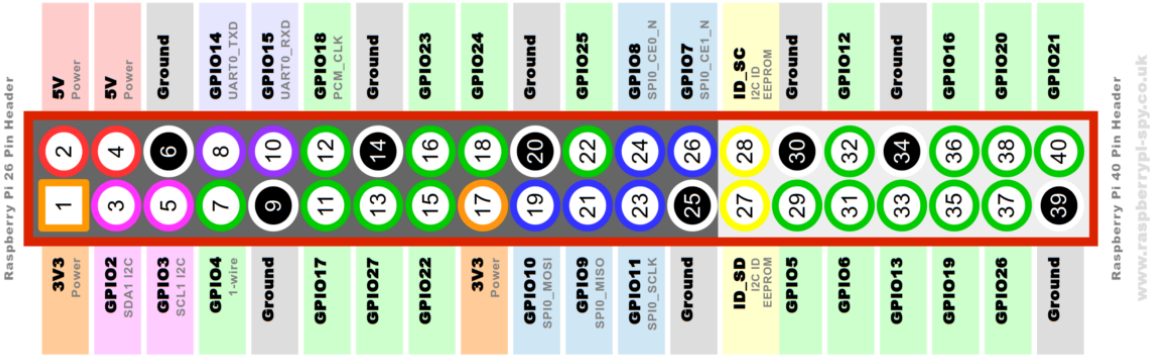


PMOD: FPGA karta ekstra özellikler eklemeye yarıyor.

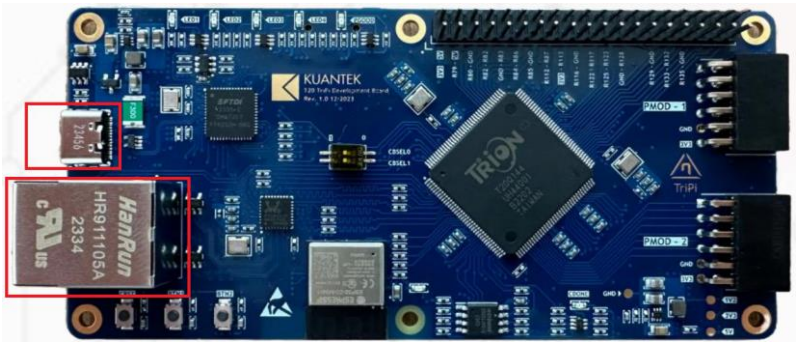


GPIO pinleri

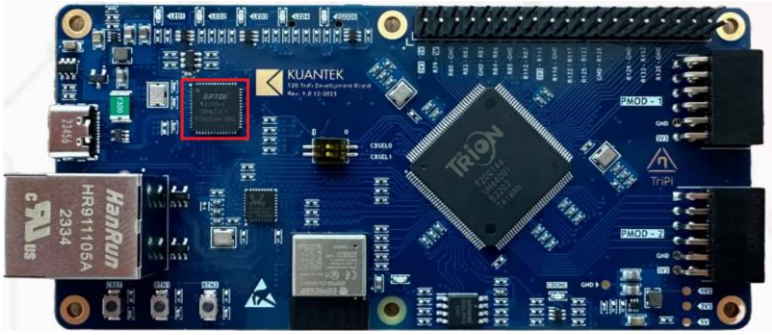




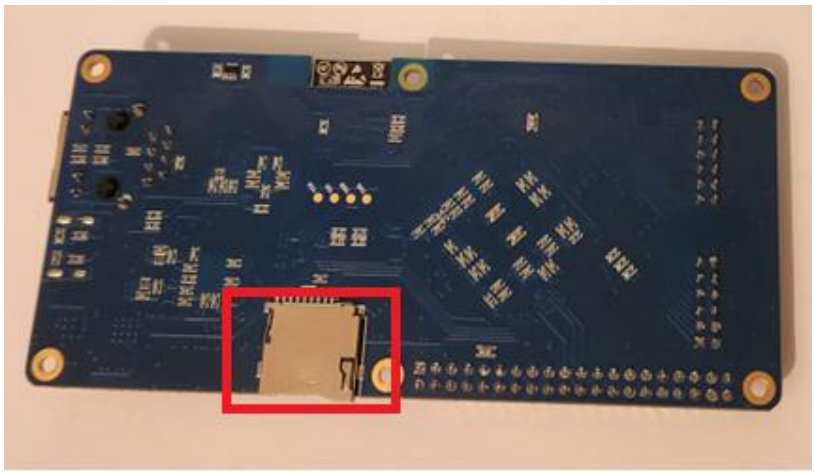
Bilgisayar ve Ethernet Girişi



FT4232: Jtag, SPI veya UART ile FPGA'e kod gönderebiliyoruz. Bu kod gönderimi FT4232 sayesinde gerçekleşiyor.



Mikrodenetletici: ESP32, Wifi Bluetooth özellikleri için kullanılıyor.

Kartın Arka Yüzü

SD Kart: Depolama alanı, burayada kodlar yazılabilir.