TCDM (Tightly Coupled Direct Memory) Interconnect

Mem

192KB

Mem

192KB

Mem

192KB

Mem

192KB

Private Mem

Boot ROM

uDMA

UART\_0

UART\_1

I2Cm\_0

I2Cm\_1

I2Cs\_0

QSPIm\_0

QSPIm\_1

CPI\_0

SDIO\_0

Private Mem

TX

RX

cv32e40p

instr

data

debug

efpga

APB

Timer

FLLx3

Clock/Reset

Generator

Event Unit

Adv Timer/PWM

mem

mac

mem

mac

mem

mac

mem

mac

1x32x32

2x16x16

4x8x8

8x4x4

Pin mux

GPIO

I/O Bank

mem

mem