

# MPC5775E

Advanced traction motor power inverter MCU

## Cores

Z7 Functional core (QM)  
Z7 Safety Core (lockstep)

## Interconnect Isolation

Cross bar with end to end ECC  
MPU for isolation

## Memory

4M Flash  
512K RAM

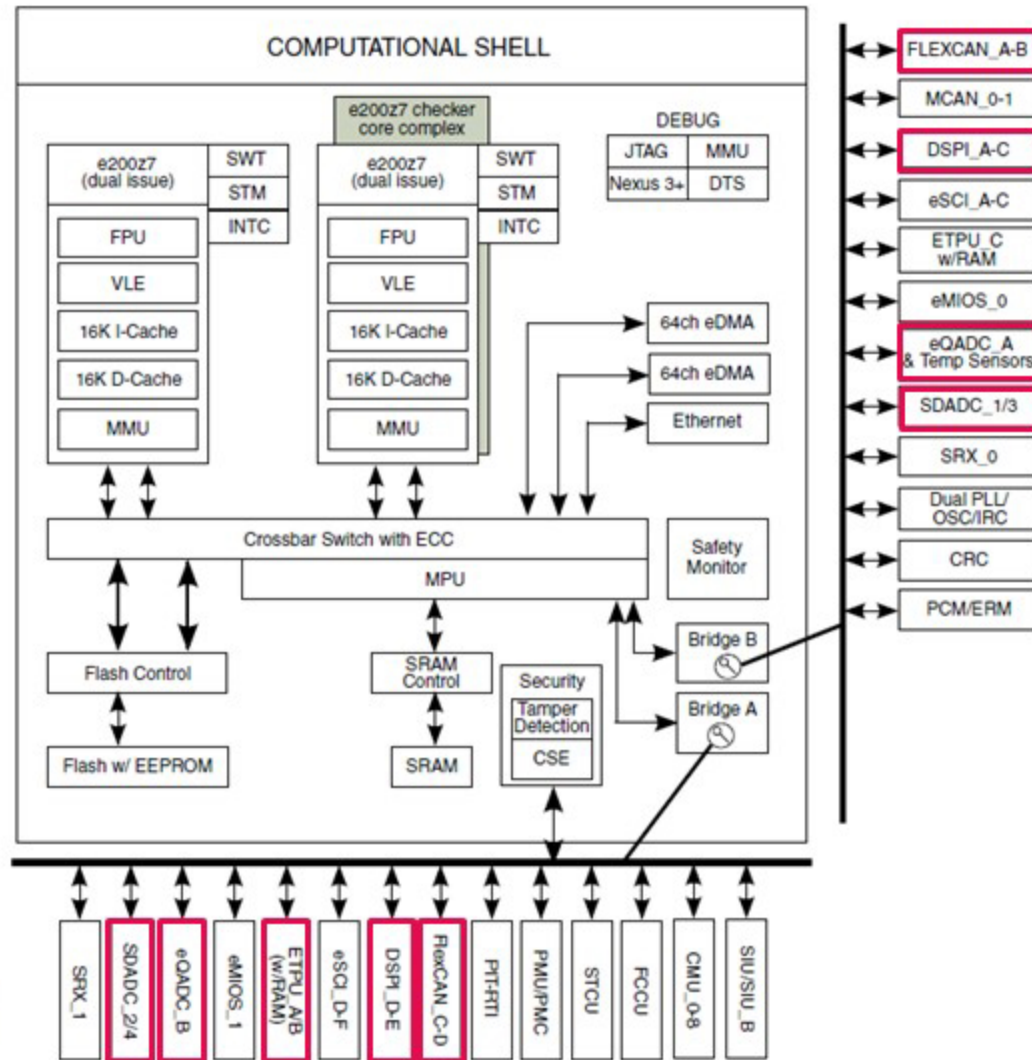


Figure 2-1. MPC5775E block diagram

## Peripherals

FlexCAN (4) + CRC  
SPI for gate driver and FS65  
ETPU A/B for:  
- CA-PWM + ADC Trigger  
- SW Resolver and diag  
eQADC  
SDADC (for resolver)

## Safety

FCCU, ECC, SWT, Lockstep  
CMU PMU...  
And Latent fault check (BIST,  
ECC Fault Injection)

## Security

Crypto Security Engine  
For OTA Update