



STEAM VR™

Tracking Training

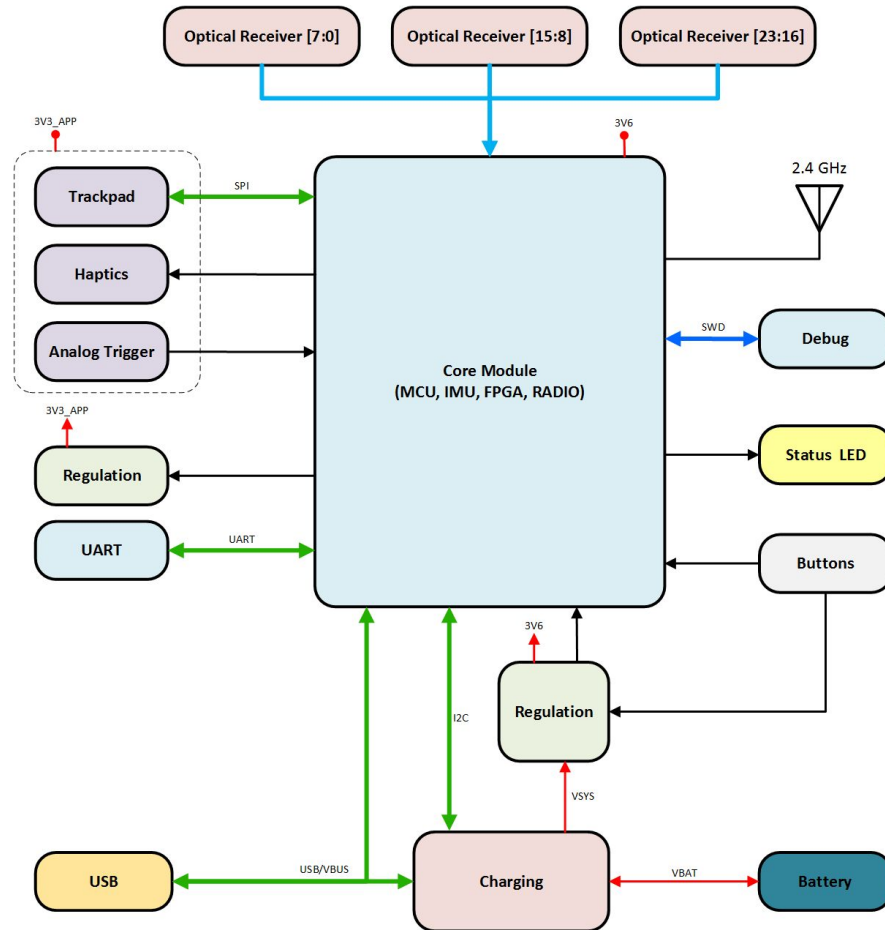


Electrical System

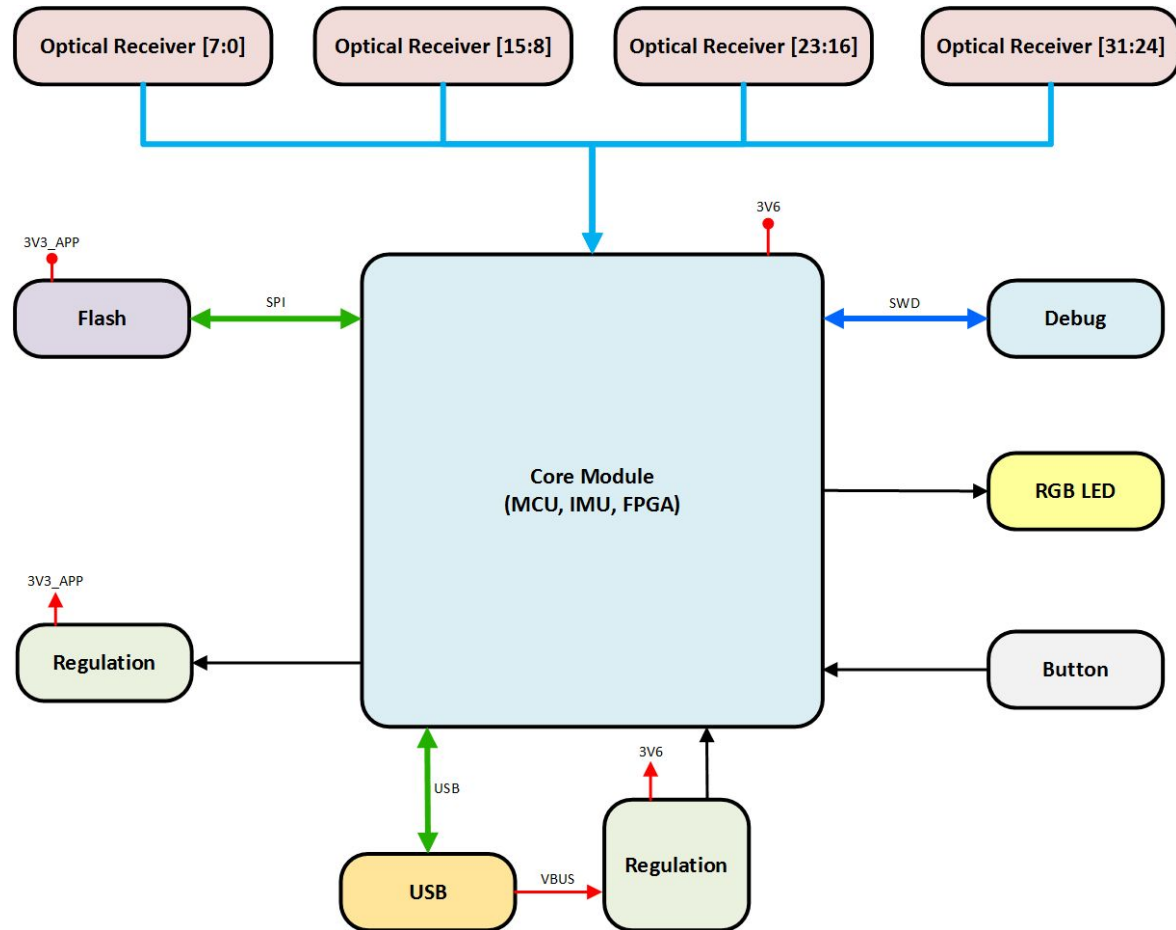
Electrical System

- EVM embodies the core tracking features of HMDs and Controllers
 - Up to 32 sensors
 - FPGA, IMU, MCU
- Added controller features
 - 2.4 GHz radio
 - 5 Buttons, trackpad, haptics, analog trigger
 - RGB Status LED
 - Battery management (charger and fuel gauge)
- Added HMD features
 - Serial flash

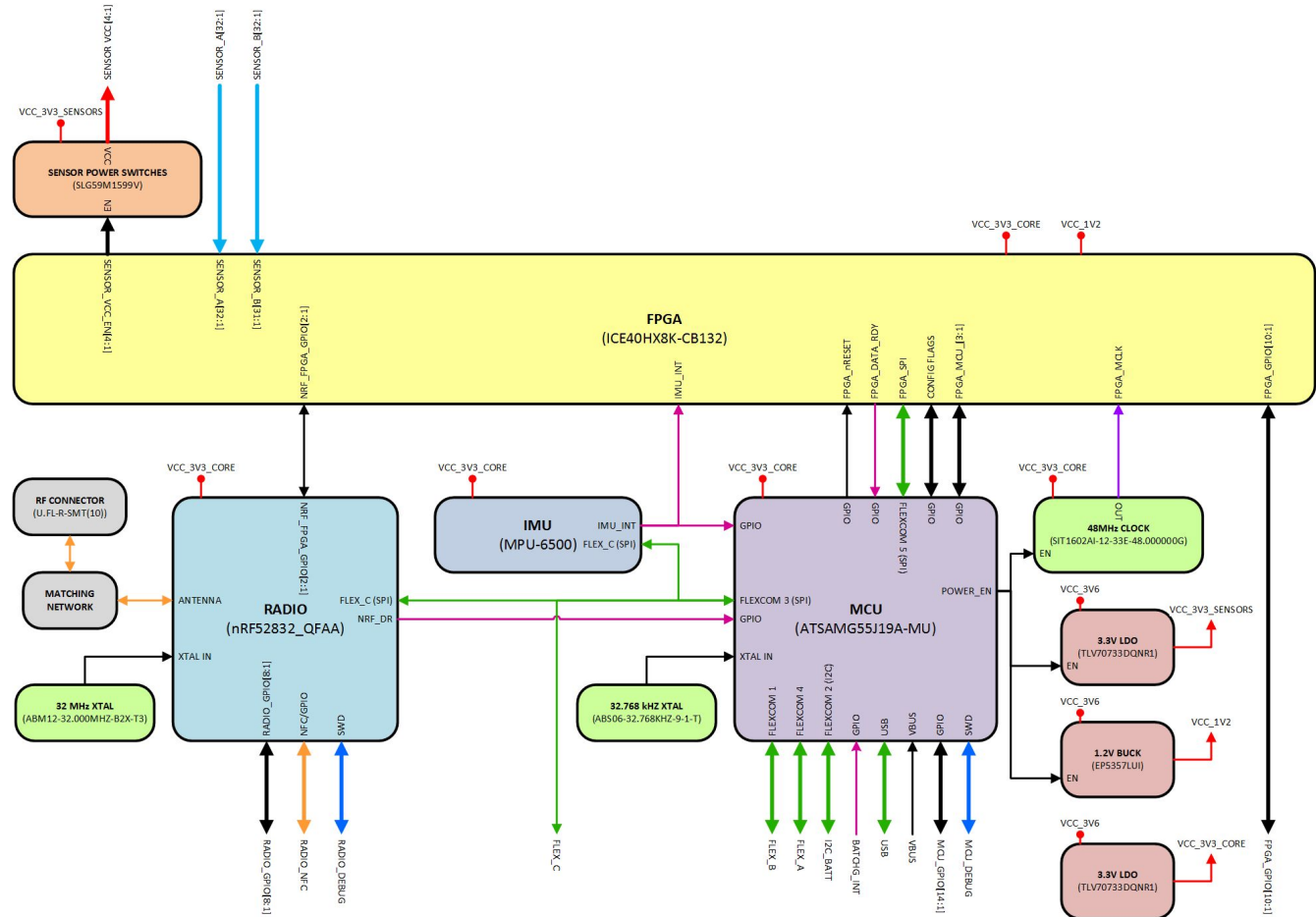
Controller Block Diagram



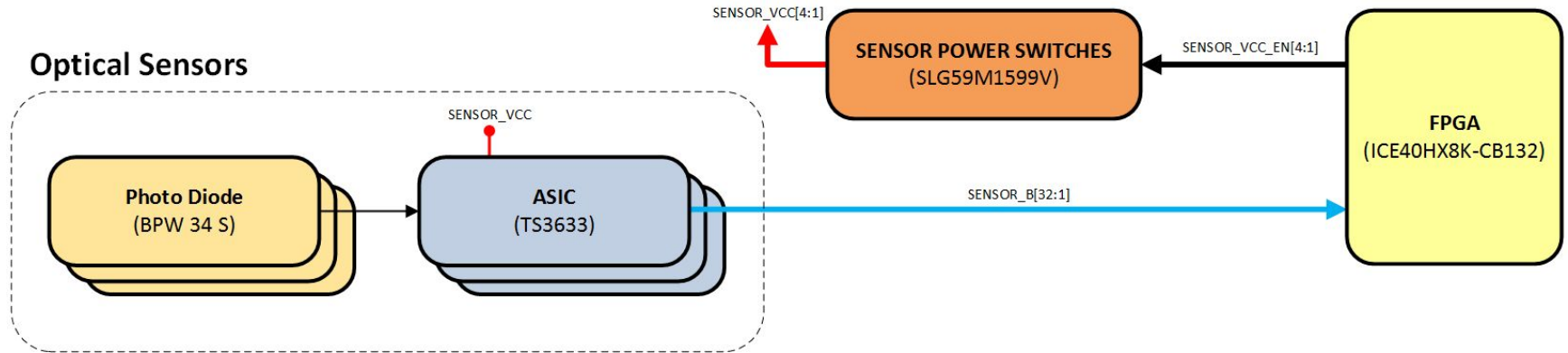
HMD Block Diagram



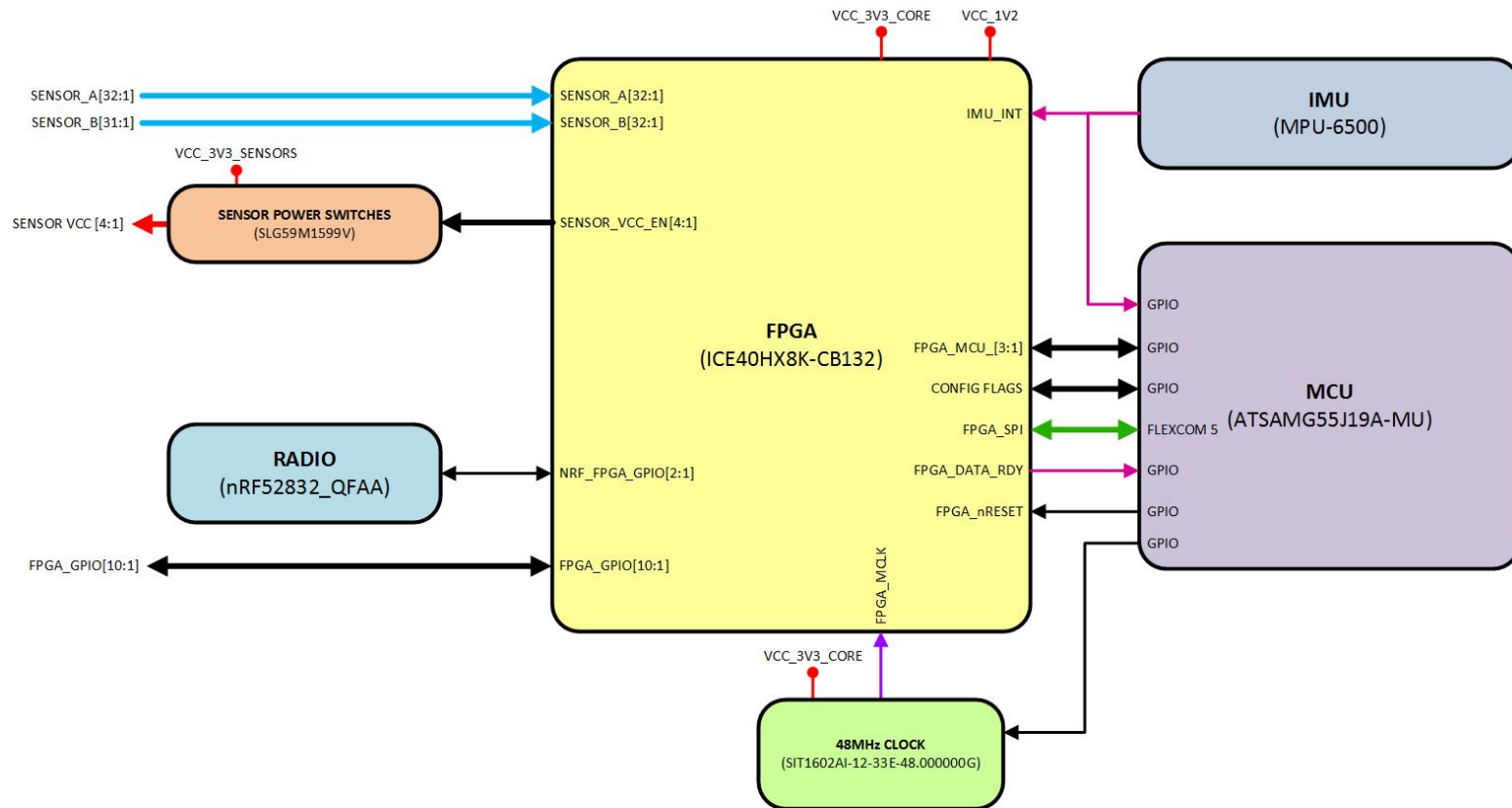
Core Functions Block Diagram



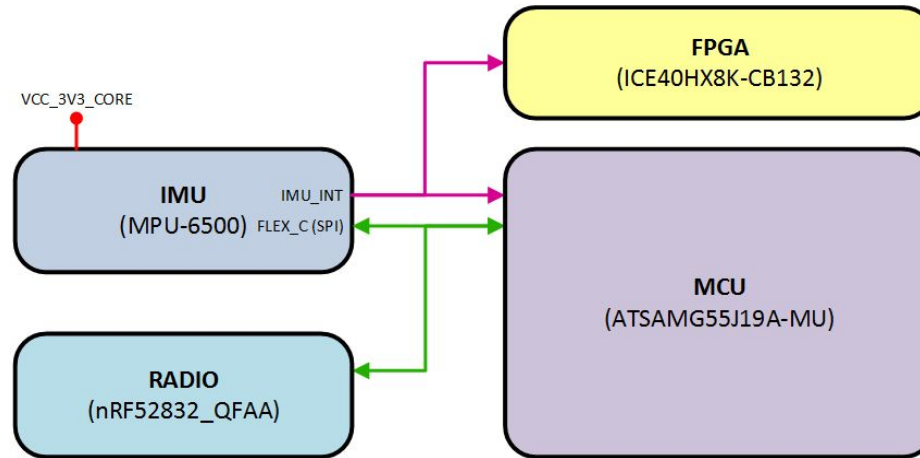
Optical Sensors



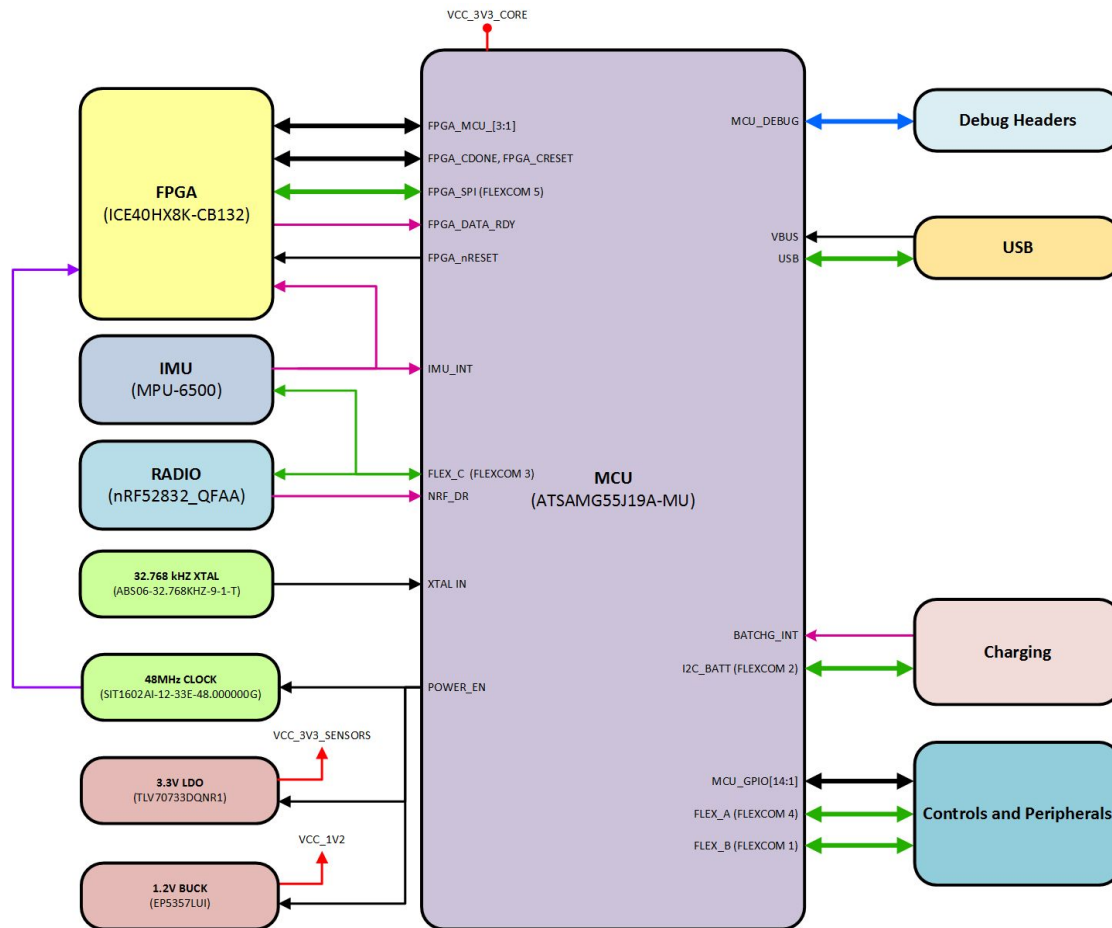
FPGA



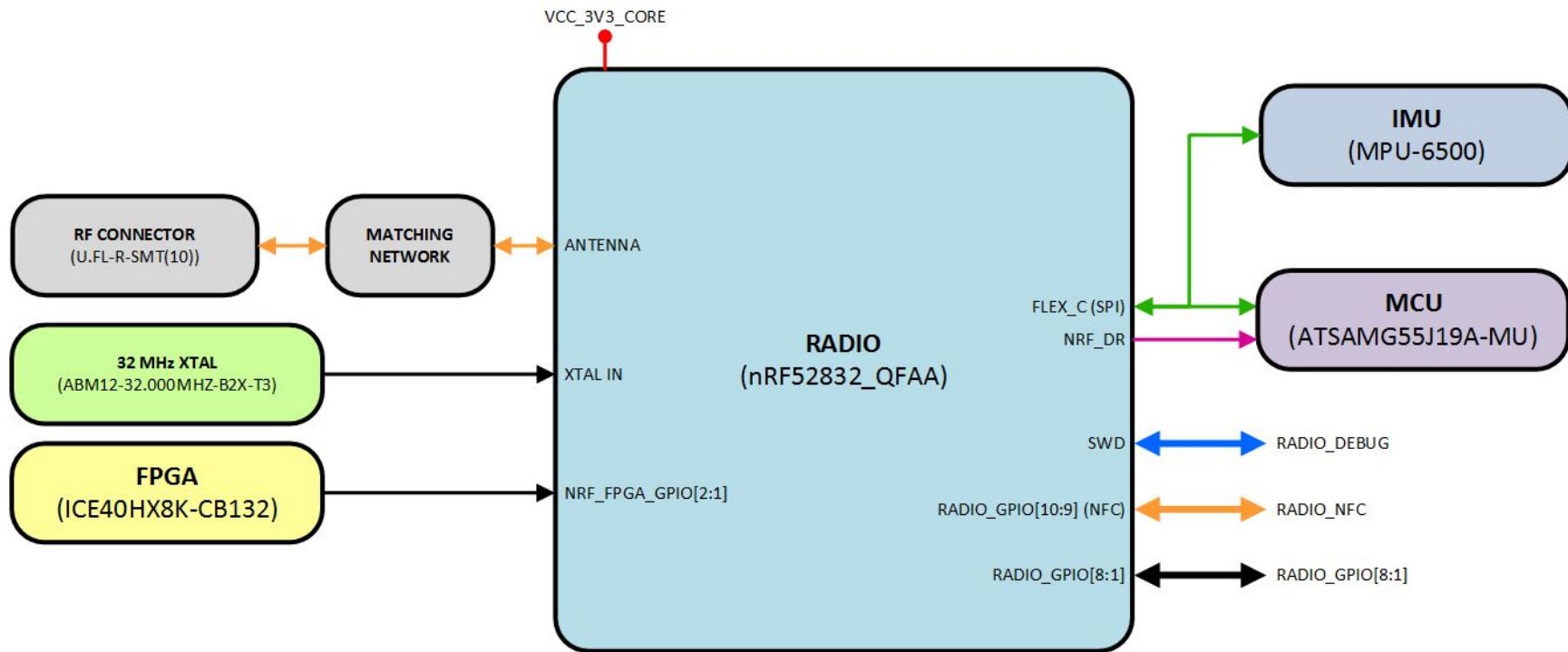
IMU



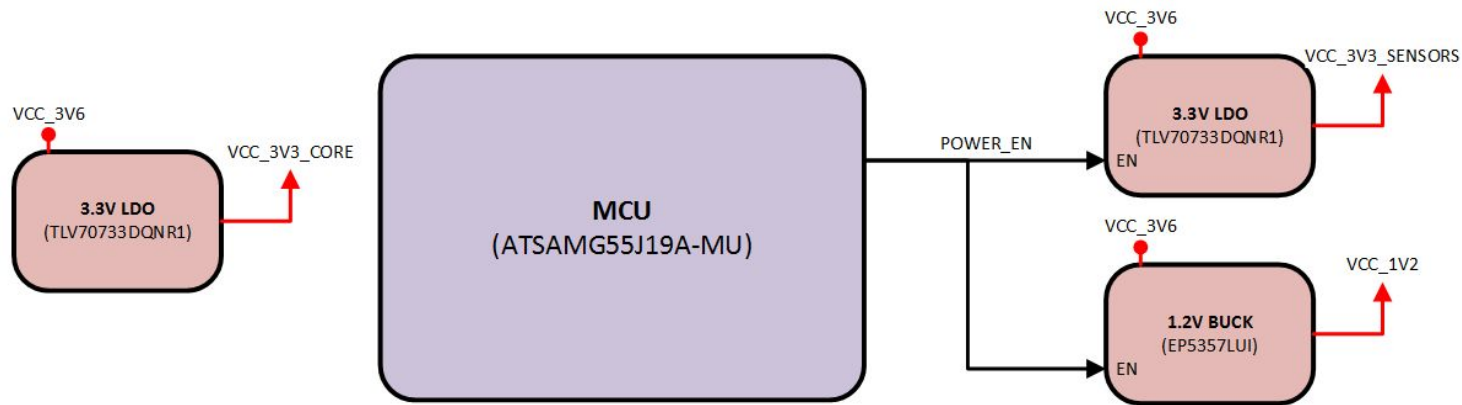
MCU



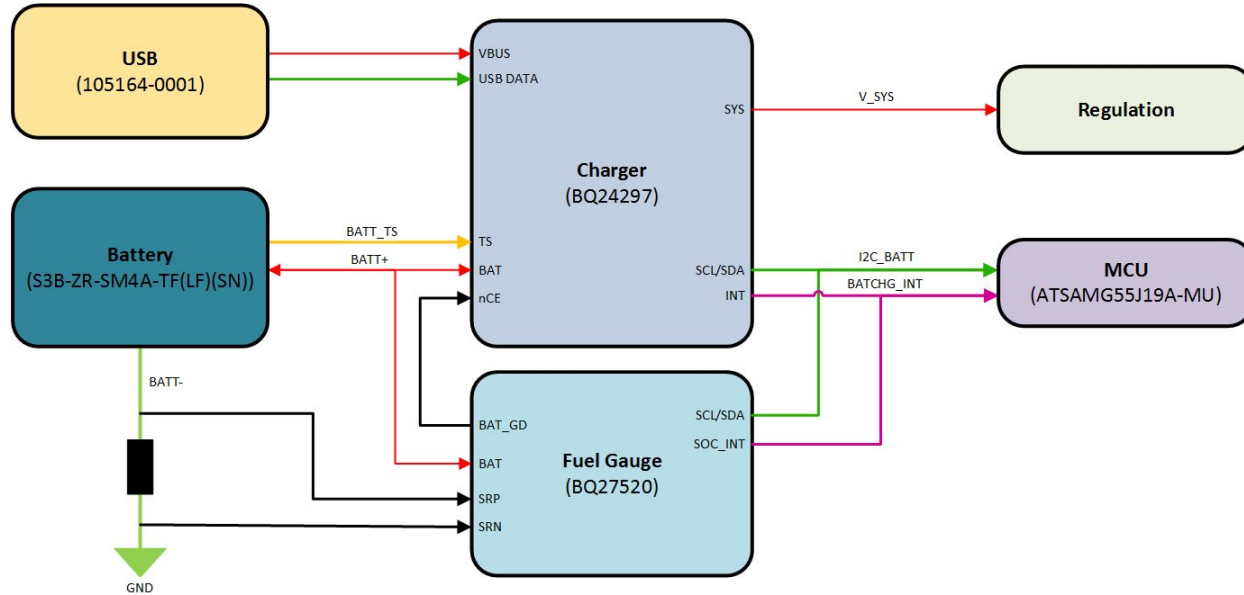
Radio



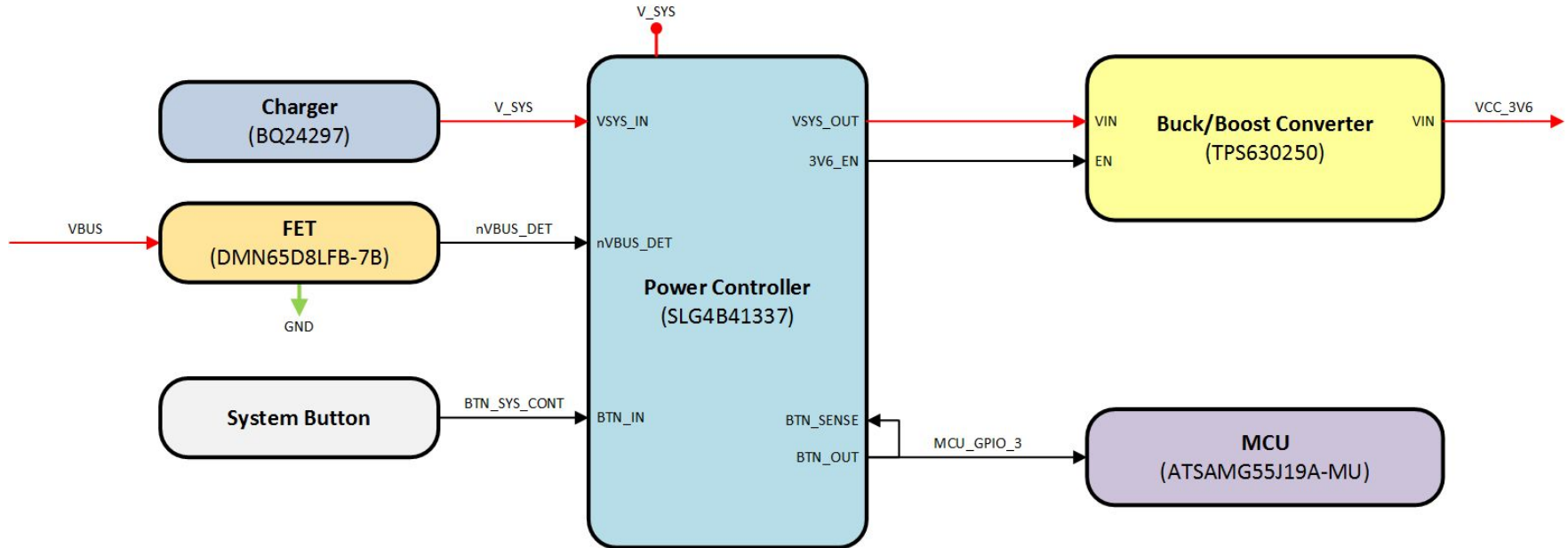
Core Regulation



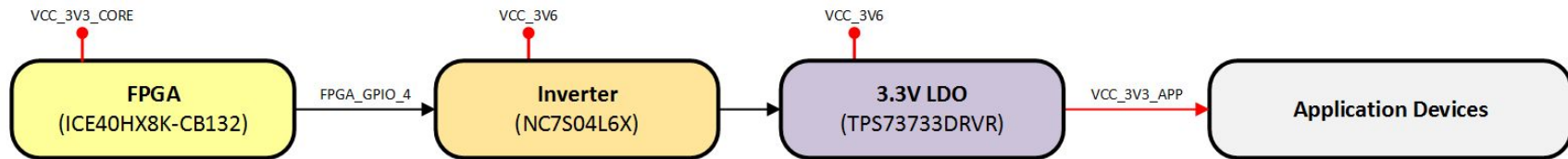
Battery Management



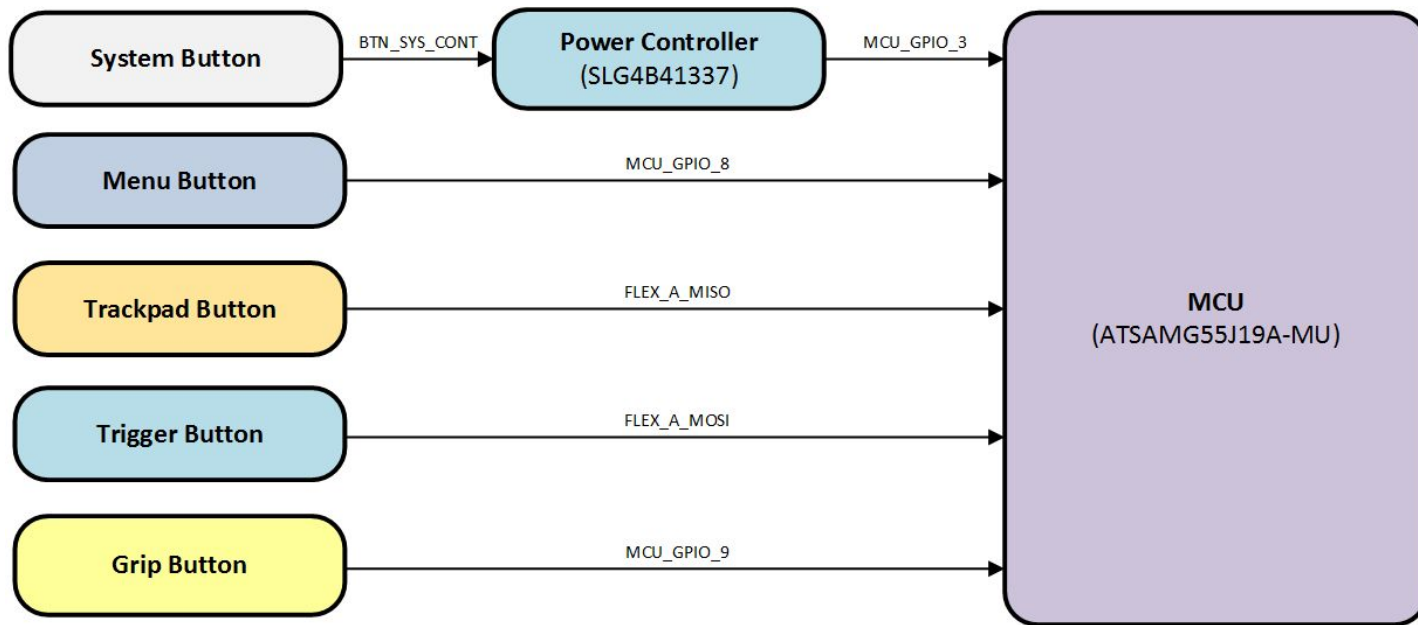
Power Control



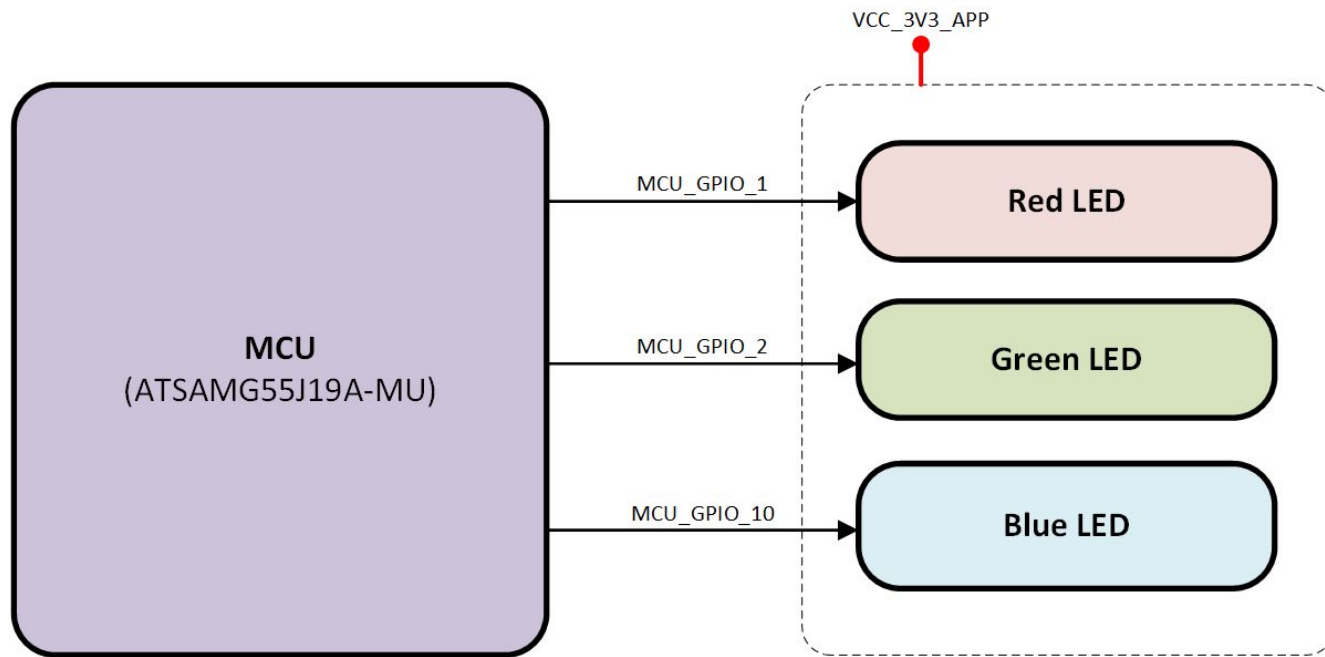
Application Power



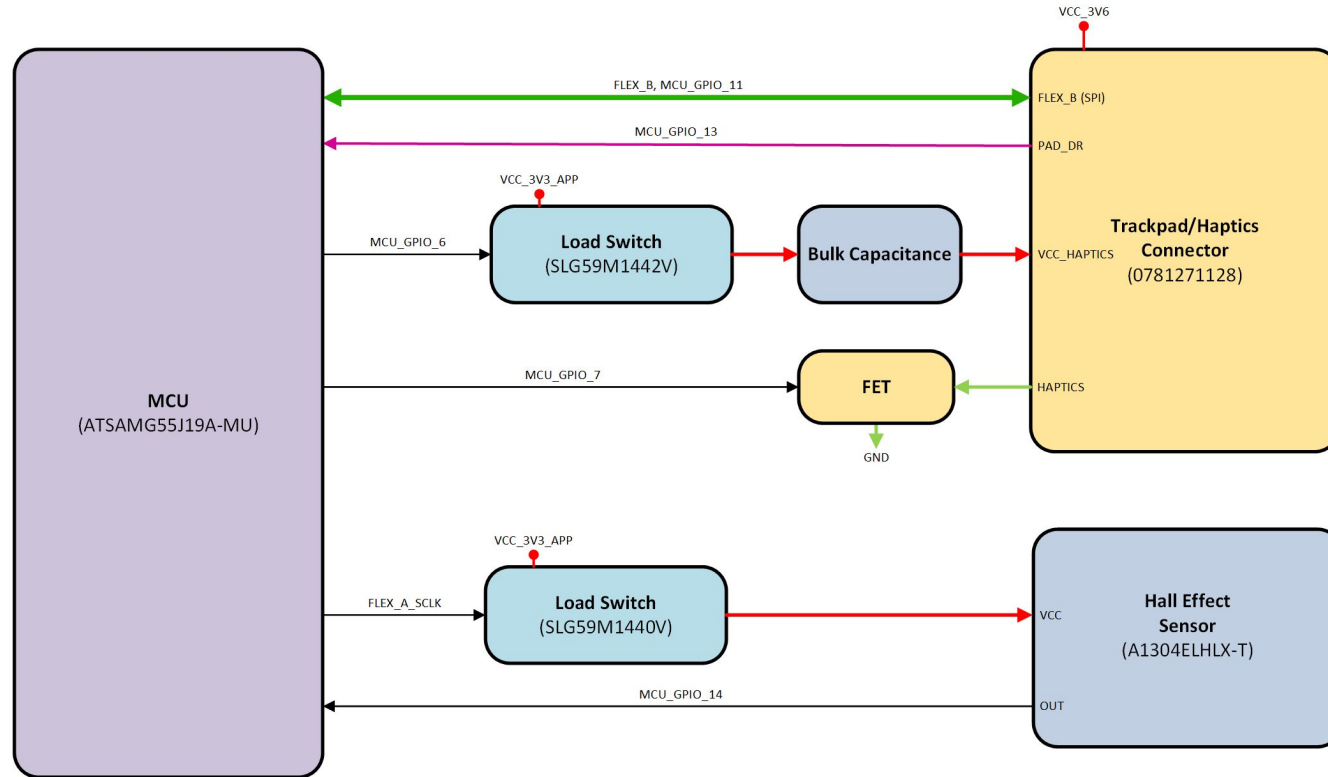
Buttons



Status LED



Trackpad, Haptics, Analog Trigger



HMD Serial Flash

