



OreSat Block Diagram

Oregon's First satellite
www.oresat.org
 V5.1 2020/04/23

M0 = ST STM32F046K6 48 MHz 32 bit ARM Cortex-M0 running ChibiOS
 L4 = ST STM32L452RE 80 MHz 32 bit ARM Cortex-M4F running ChibiOS
 M4 = ST STM32F446 168 MHz 32 bit ARM Cortex-M4F running ChibiOS
 A8 = Octavo OSD335x-SM 1 GHz 32 bit ARM Cortex-A8 running Linux
 OPD = OreSat Power Domain (power bus + I2C card power control)
 Yellow = Subsystem Purple = PCB Red = Power Green = Comm. Blue = RF