Todo: Create Global labels Move to a single IRESET switch on ESP page. Remove from other pages. Rename MISO nets on Ethernet page because of buffer Remove MS? designators and extraneous connectors Confirm we want MicroSD Notes: $12V-2A \ \text{barrel power supply comes with camera with pigtail...} \\ \text{Max enclosure size is } 15\text{cm} \times 8 \ \text{cm. Will be 3D printed} \\ \text{will be built by hand with hot air gun. } 0804 \ \text{or } 0603 \ \text{passives} \\ \text{Do we want the headers to be available?} \\$ Do we want to remove/set the jumpers? Keep LED from ESP board. Put in position to be visible outside enclosure (light pipe?) Does a bootloader need to be loaded on to the ESP before placing on board? add power connector (get details), use switch for power selection Add test points Generate BOM Find out if we can remove Second LDO Check regulator Check footprints (Export/Import symbol libraries from originals) ESP File: ../../kicad-import/adafruit-feather/Adafruit ESP32 Feather V2.kicad_sch Ethernet File: ../../kicad-import/adafruit-ethernet/Adafruit Ethernet FeatherWing.kicad_sch File: ../../kicad-import/adafruit-datalogger/adalogger featherwing.kicad_sch **Kingdom Metrics** Sheet: / File: Genesis.kicad sch Title: Genesis Board Size: A4 Date: 2025-04-24 Rev: 0.1 KiCad E.D.A. 9.0.1 ld: 1/4





