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\* RG3 should be configured as an output for a CCPx module to produce a PWM signal for dimming LEDs on the board. Display itself will be dimmed in software by adjusting the on time \* EUSART5 must be used for USB serial communication since only this module can be routed to PORTG \* RGO and RG1 will be the inputs to CCPx modules to measure the switching frequency (maybe duty cycle as well) of VFF and VAN supplies

\* RG4 should be set/cleared every other display refresh cycle, and the input snese ciruit queued when cleared, so that energy/charge per display cycle can be measured

\* While operating, the external 16MHz clock with internal 4x PLL will yield an FOSC of 64MHz. While the display is off, FOSC should be switched to something slower internally to minimize power consumption Sheet: /Firmware Notes/ File: FirmwareNotes.sch Title: Size: A Date: Rev: KiCad E.D.A. kicad 4.0.7 ld: 15/21











