STM32G431CBUx PA3 OPAMP 1 MULTIPLEXER AUX VIDEO IN PA1 PA2 VIDEO OUT OPAMP1 VIDEO IN PA7 Detect start draw line PB0 Pixel Brightness COMP4 TIM3 Source Select DMA 1 DAC3 CH 2 10K DAC1 TIM1 PA12 _USB_P CH 1 DMA 1 Real-time pixel drawing CH 1 USB USB_N PA11 COMP3 TIM2 TIM7 PA0 MSP DisplayPort Detect start draw line TX - DMA 2 CH 2 Internal Video Generator PA10 UART1 RX PB5 TIM17 TIM4 UART1 UART1 TX PA9 **A** reset cnt - TIM2 DMA1 RX - DMA 2 CH 6 CH 1