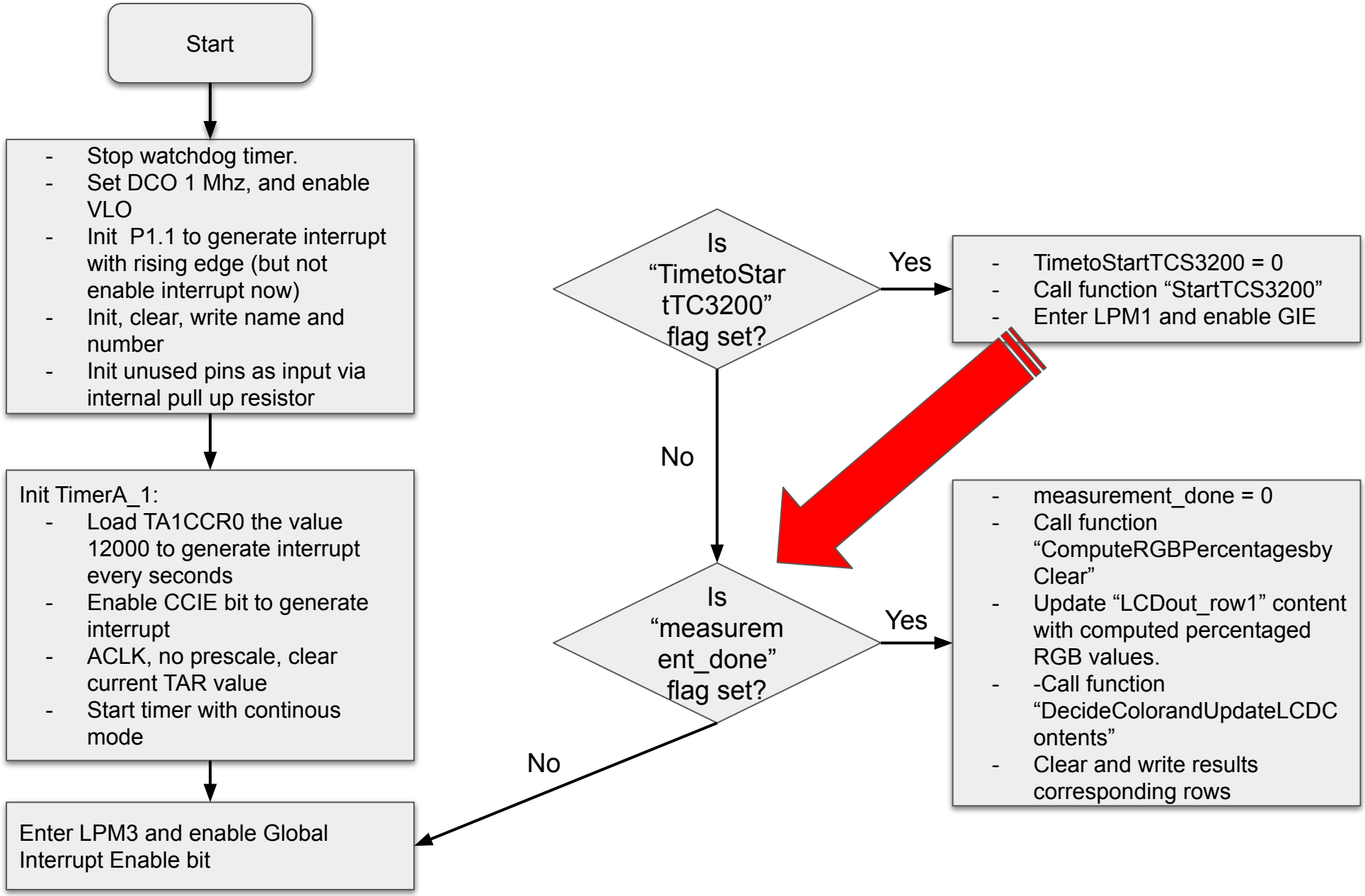
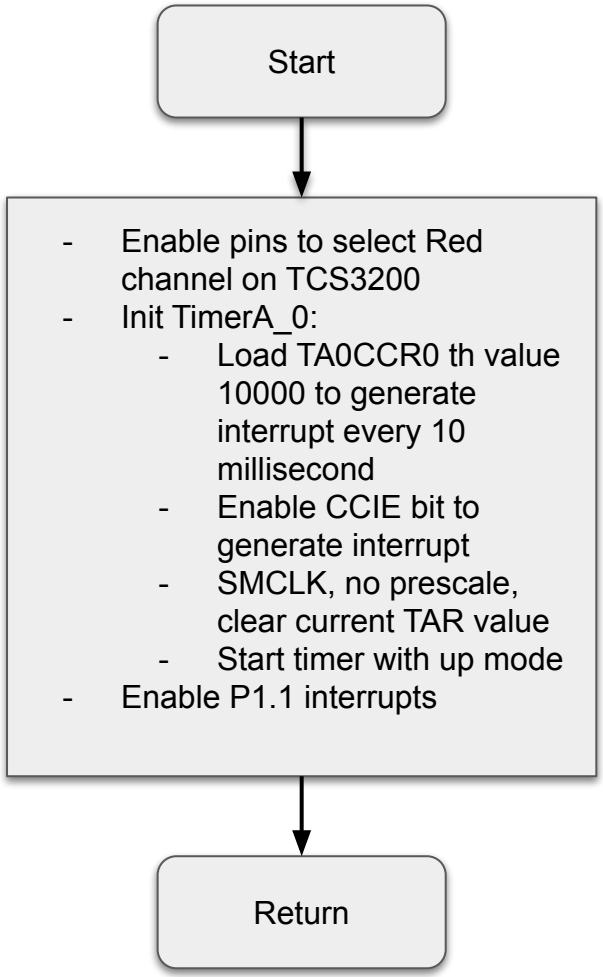
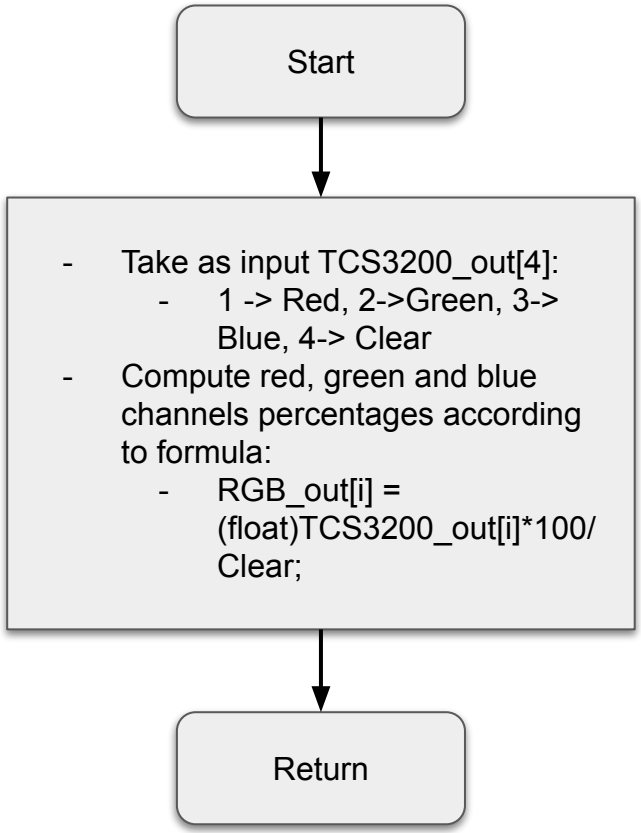
main


Start
- Stop watchdog timer.
- Set DCO 1 Mhz, and enable VLO
- Init P1.1 to generate interrupt with rising edge (but not enable interrupt now)
- Init, clear, write name and number
- Init unused pins as input via internal pull up resistor
Init TimerA_1:
- Load TA1CCR0 the value 12000 to generate interrupt every seconds
- Enable CCIE bit to generate interrupt
- ACLK, no prescale, clear current TAR value
- Start timer with continous mode
Enter LPM3 and enable Global Interrupt Enable bit
Is "TimetoStartTC3200" flag set?
Yes
- TimetoStartTCS3200 = 0
- Call function "StartTCS3200"
- Enter LPM1 and enable GIE
No
Is "measurement_done" flag set?
Yes
- measurement_done = 0
- Call function "ComputeRGBPercentagesby Clear"
- Update "LCDout_row1" content with computed percentaged RGB values.
- -Call function "DecideColorandUpdateLCDContents"
- Clear and write results corresponding rows
No

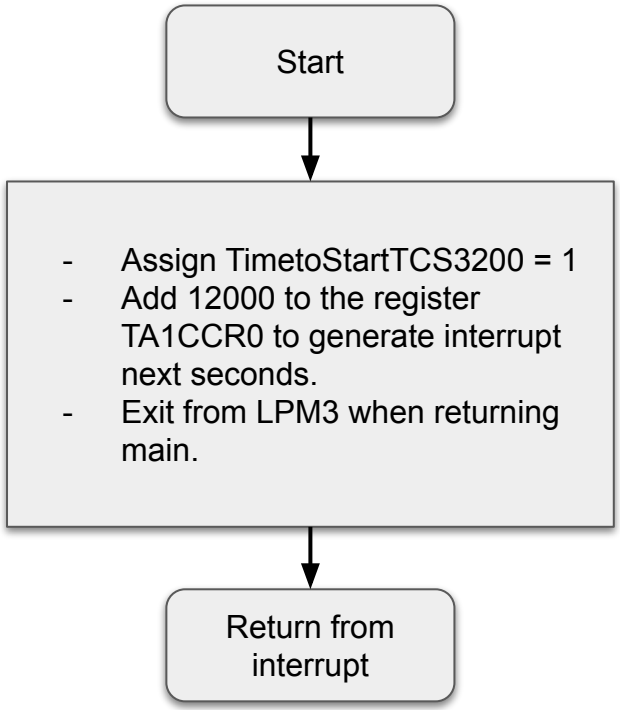
StartTCS3200



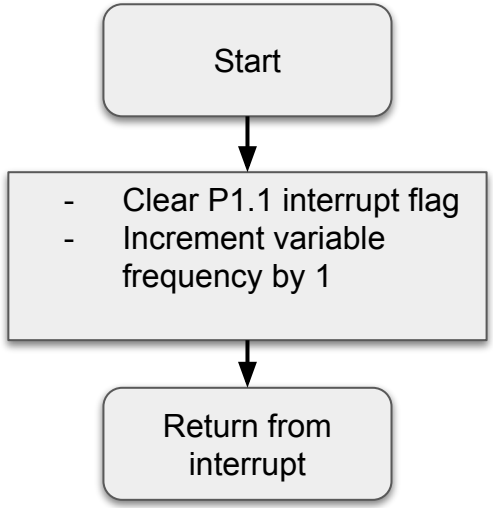
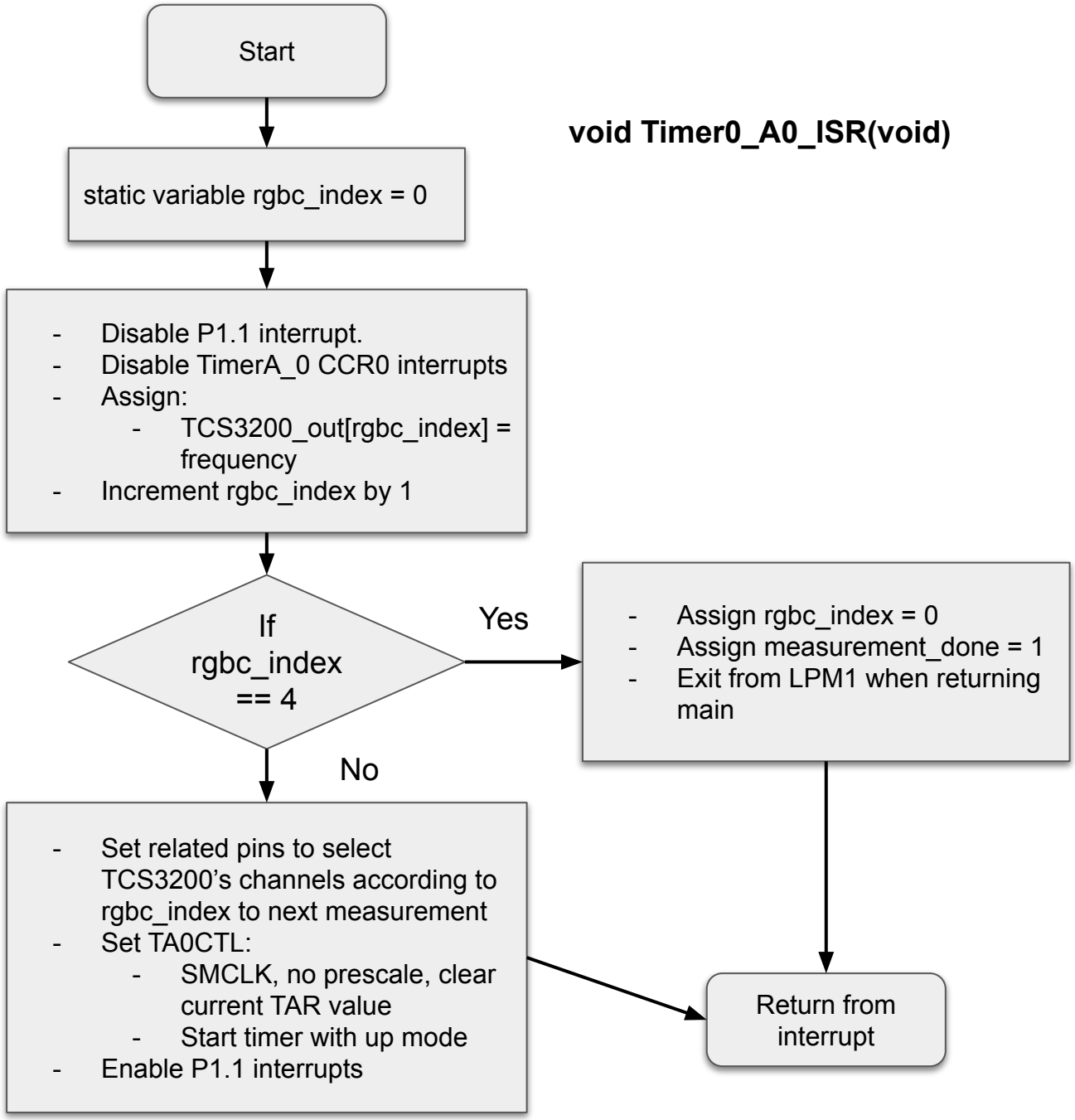
ComputeRGBPercentagesbyClear



void Timer1_A0_ISR(void)



void Port1_ISR(void)



void Timer0_A0_ISR(void)