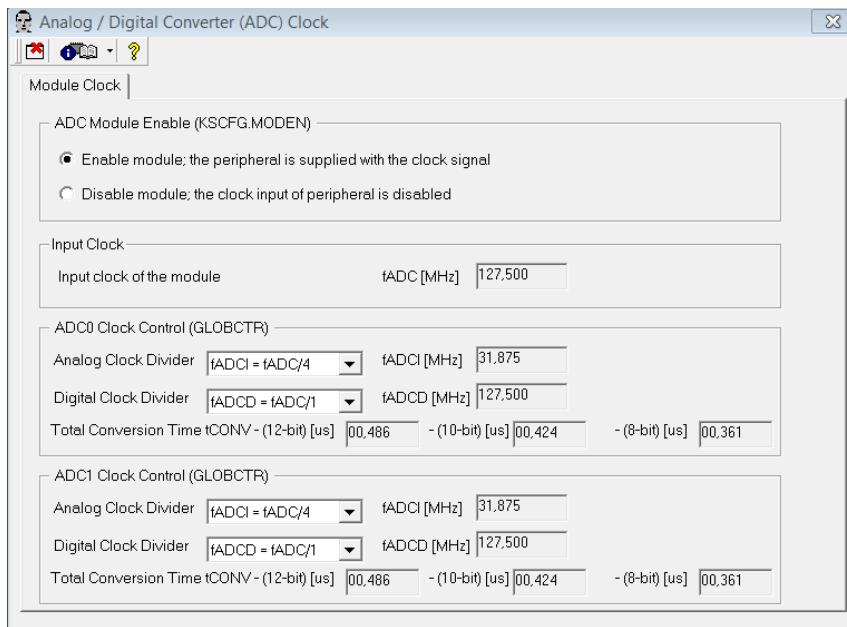


# ADC – Infineon XC2000

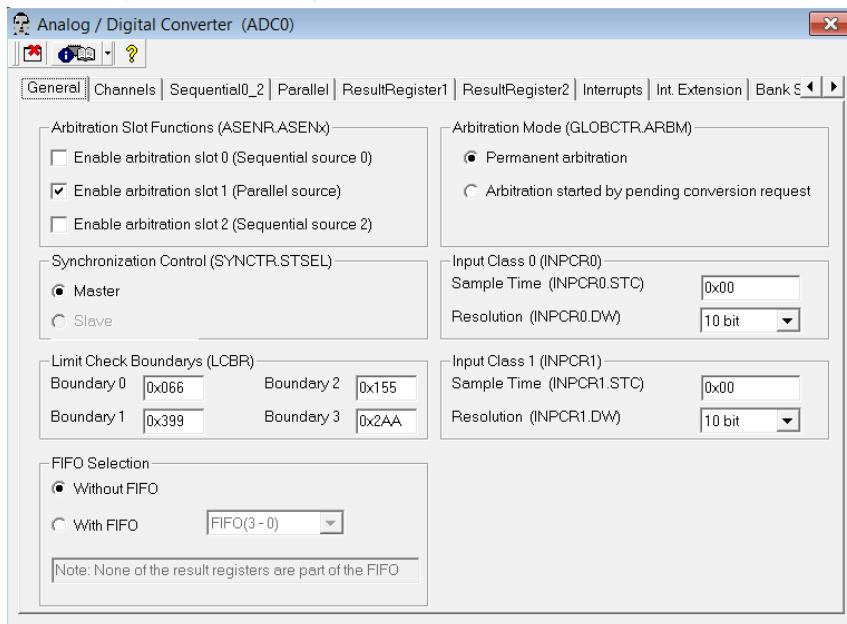
Microcontroller: XC2269I

ADC0, Channel 3 (Pin P5.3)

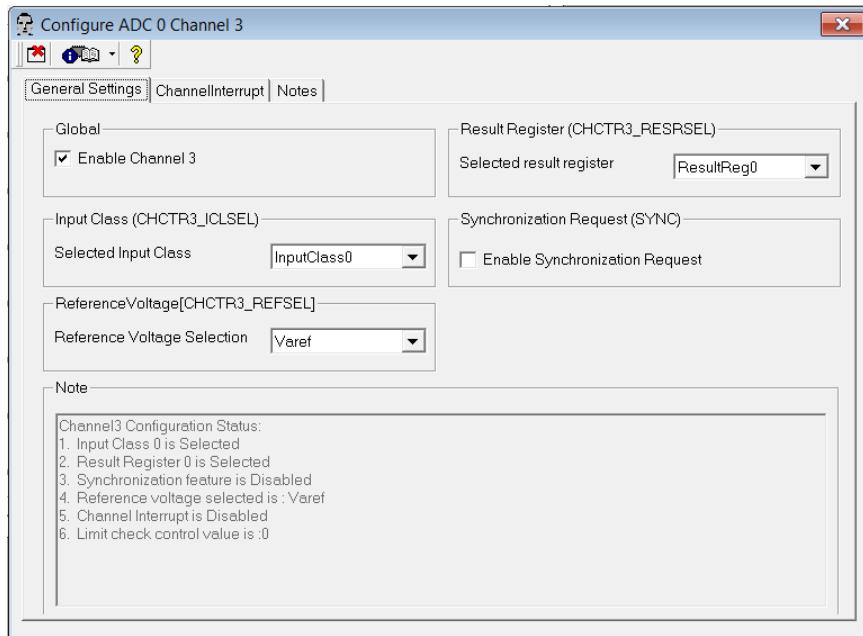
## 1. Dave Configuration



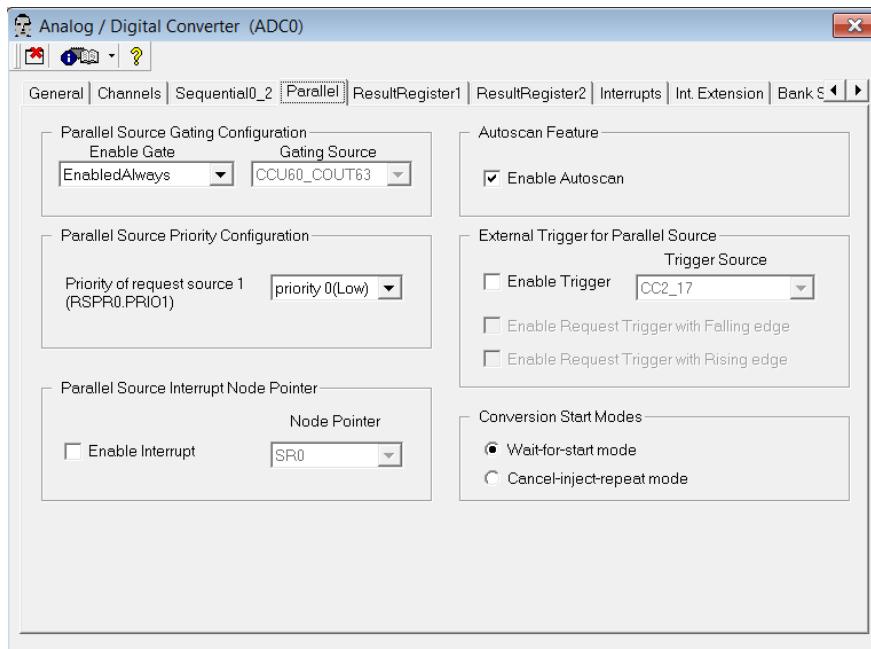
Use ADC0, Parallel source, Permanent arbitration:



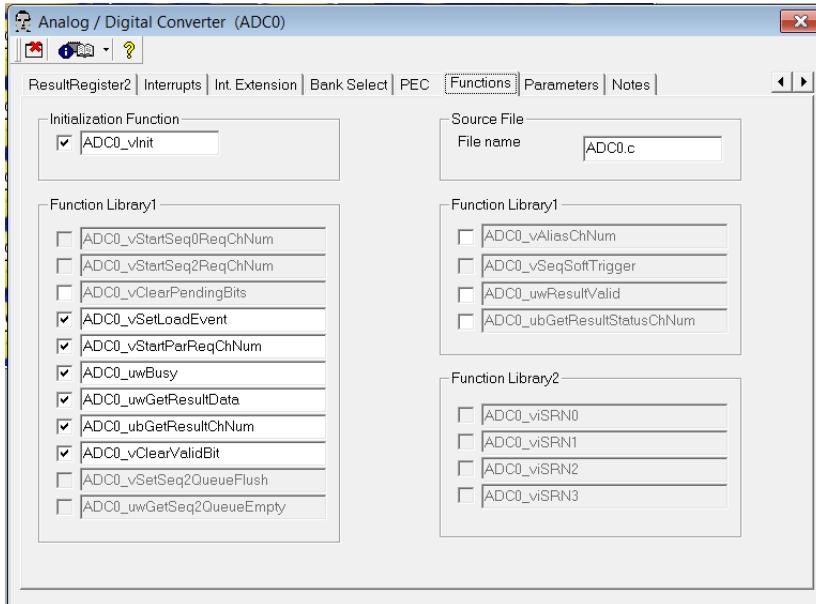
## Configure ADC0, Channel 3, ResultReg0



## Enable Autoscan in Parallel:



## Generate User Functions:



## 2. Code Implementation

```

void main(void)
{
    // USER CODE BEGIN (Main,2)

    // USER CODE END

    MAIN_vInit();

}

// USER CODE BEGIN (Main,12)
ADC0_vStartParReqChNum(0x0004); //Start conversion channel 3
ADC0_vSetLoadEvent(); //Set software trigger
// USER CODE END

while(1)
{
    // USER CODE BEGIN (Main,13)
    if (ADC0_uwBusy()==0)
    {
        myTest = ADC0_uwGetResultData(RESULT_REG_0);
    }

    // SET_DOUT_VERSTAERKER3;
    // USER CODE END

}
} // End of function main

```