

Using XC32 V2.41

Main Header file

XC32 V2.41

```
#include <xc.h>
```

XC32 V1.4

```
#include <plib.h>
```

Header File Required for Interrupts

XC32 V2.41

#include <sys/attrs.h>

#include <proc/p32mx150f128d.h>

XC32 1.4

none

Additional Functions Calls Required to Enable Interrupt

XC32 V2.41

```
INTCONbits.MVEC = 1;  
__builtin_enable_interrupts();
```

XC32 V1.4

```
INTEnableSystemMultiVectoredInt();
```

ISR Function Prototype (identical)

XC32 V2.41

```
20 }  
21  
22 void __ISR(/*vector number*/) ExampleFunction(void)  
23 {  
24     // code to execute  
25     //clear falg in IFSx register  
26 }
```

XC32 V1.4

```
void __ISR(/* vector */) exampleFunction(void)  
{  
    // code to execute  
    // clear flag in IFSX register  
}
```

Peripheral Pin Select

XC32 2.41

- Only method 2 from the slides works

XC32 V1.4

- Both method 1 and 2 can be used