How to use pass-by-reference in XC

version 1.1.1

scope Example. This code is provided as example code for a user to base

their code on.

description How to use pass-by-reference in XC

boards Unless otherwise specified, this example runs on the SliceKIT Core

Board, but can easily be run on any XMOS device by using a different

XN file.

In XC you can pass function parameters "by reference". Any changes to pass-by-reference parameters will also change the original variable passed in by the calling function.

For example, the following function takes a reference parameter \mathbf{x} and adds 10 to it.

```
void add10(int &x)
{
    x += 10;
}
```

This function can then be called and the argument will be updated

```
int y=5;
add10(y);
printintln(y); // This will print out 15
```

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