

Volatile different syntax

1) Volatile data

```
- Uint8_t volatile  
  my_data  
- Volatile uint8_t my  
  data
```

my_data is a volatile
variable of type unsigned
integer 8 bit

2) Non volatile pointer to volatile data

```
- uint8_t volatile  
  *pStatusReg ;
```

- pStatusReg is a non
volatile pointer, pointing to
volatile data of type
unsigned integer of 8 width

3) Volatile pointer to non volatile data

```
Uint8_t *volatile  
pStatusReg ;
```

pStatusReg is a volatile
pointer, pointing to non
volatile data of type
unsigned int 8 bit width

4) Volatile pointer to volatile data

```
Uint8_t volatile  
*volatile pStatusReg  
;
```

pStatusReg is a volatile
pointer, pointing a volatile
data of type unsigned int 8
bit width