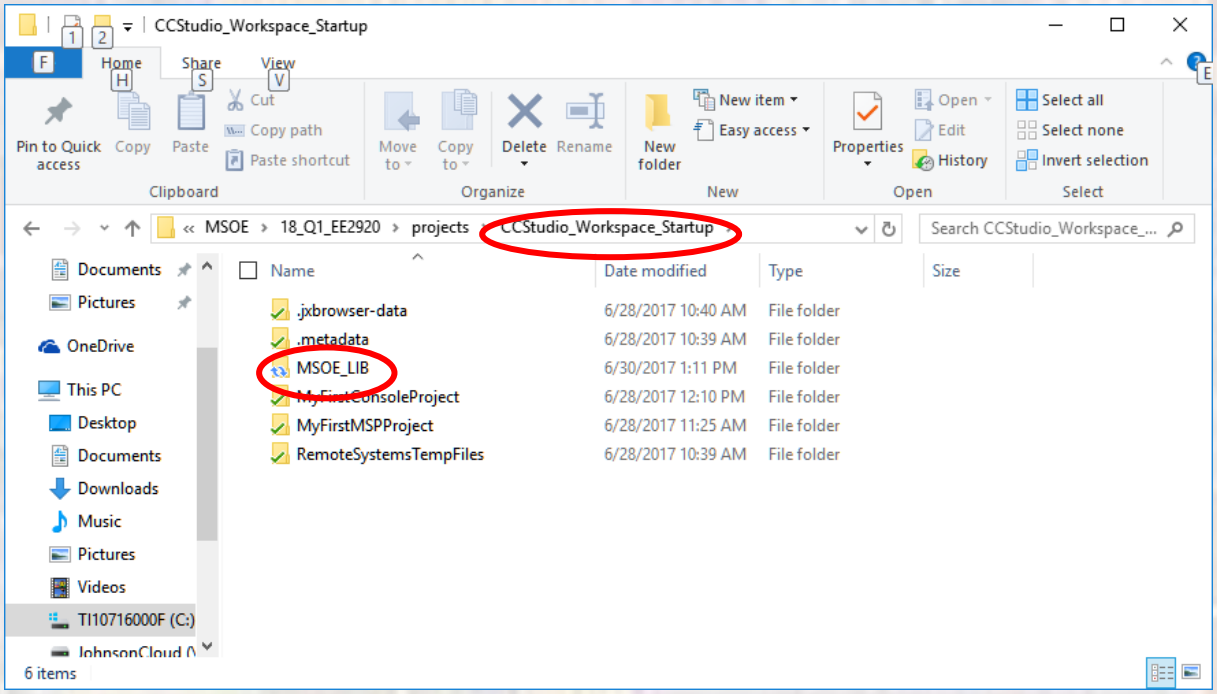
MSOE_LIB Setup

Last updated 7/23/18

Library Setup

- Download the MSOE_LIB.zip file from the web page

- Right click on the file and select extract all
- Select your workspace directory as the destination

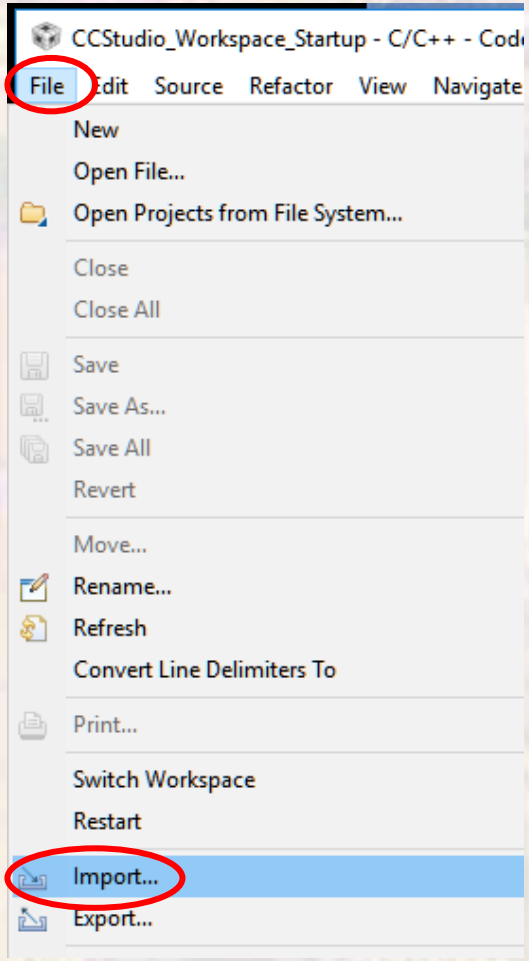


Windows:
File Explorer

Library Setup

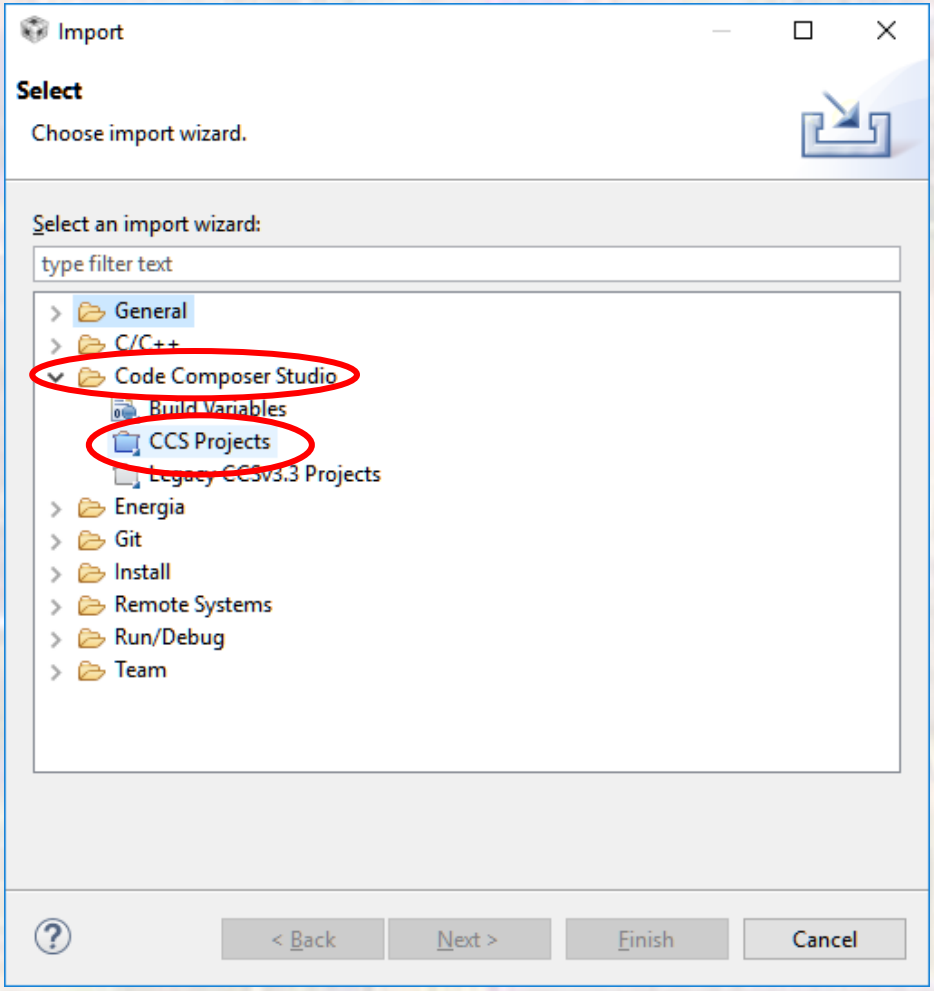
- Startup Code Composer Studio in your desired workspace

- File -> Import



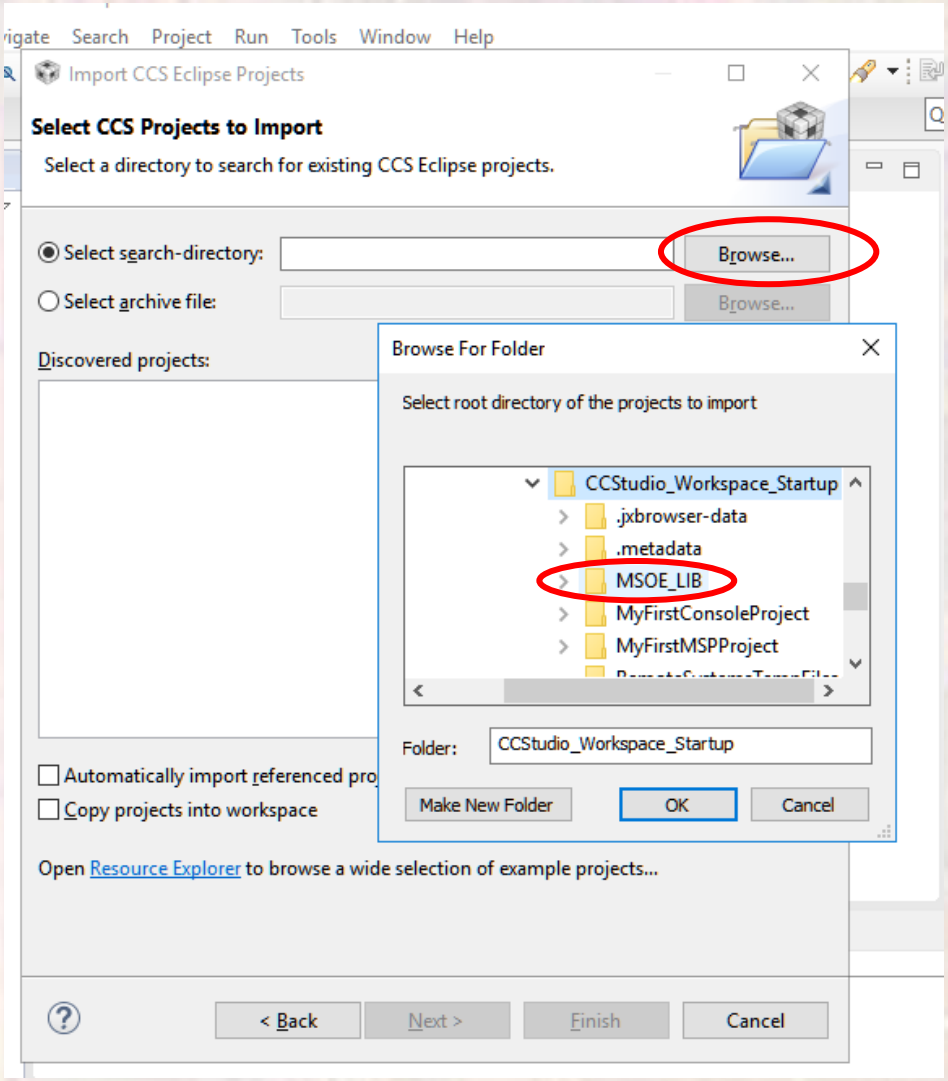
Library Setup

- Code Composer Studio -> CCS Projects



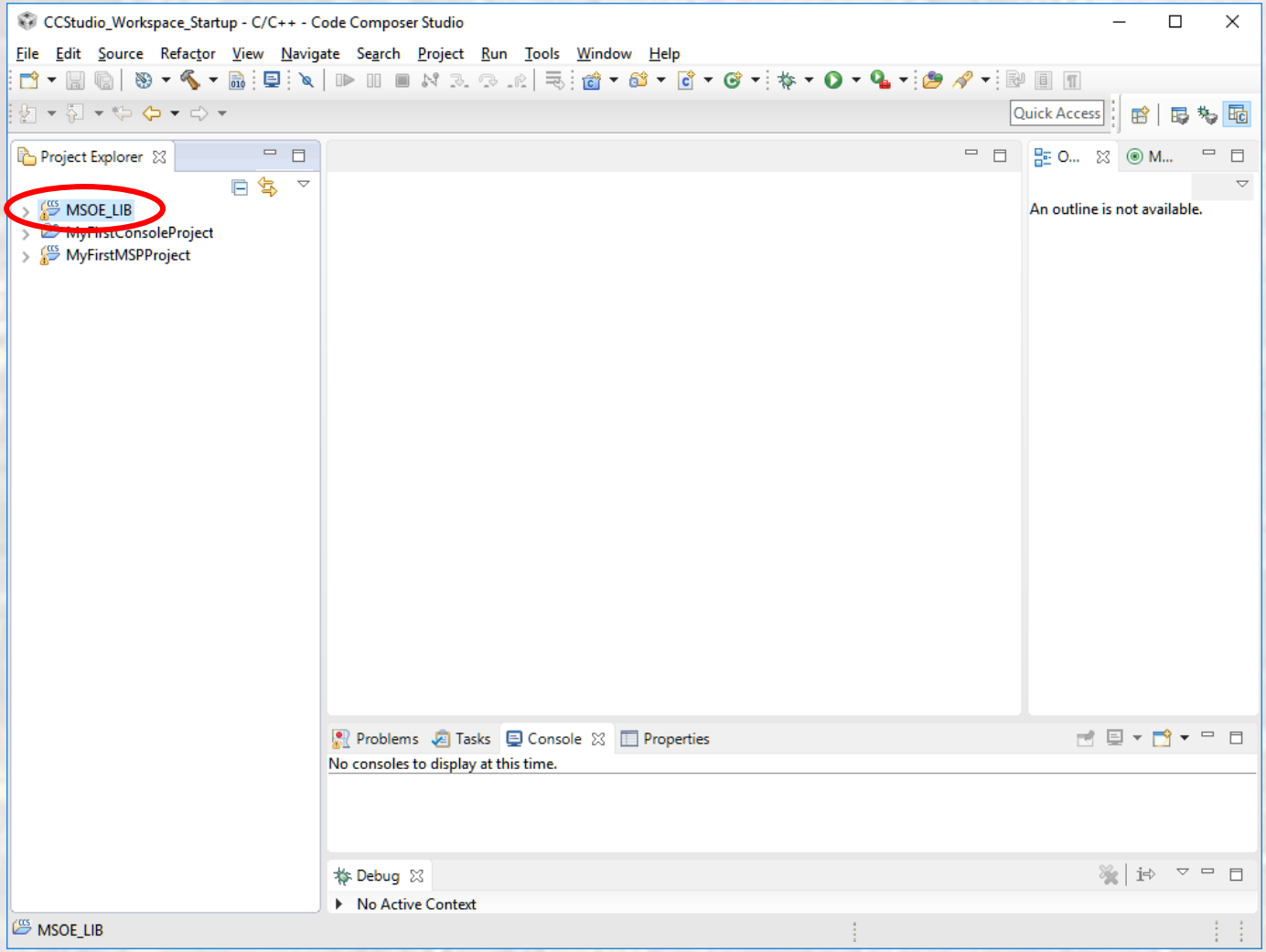
Library Setup

- Click Browse
- Select MSOE_LIB from your workspace directory
- Finish



Library Setup

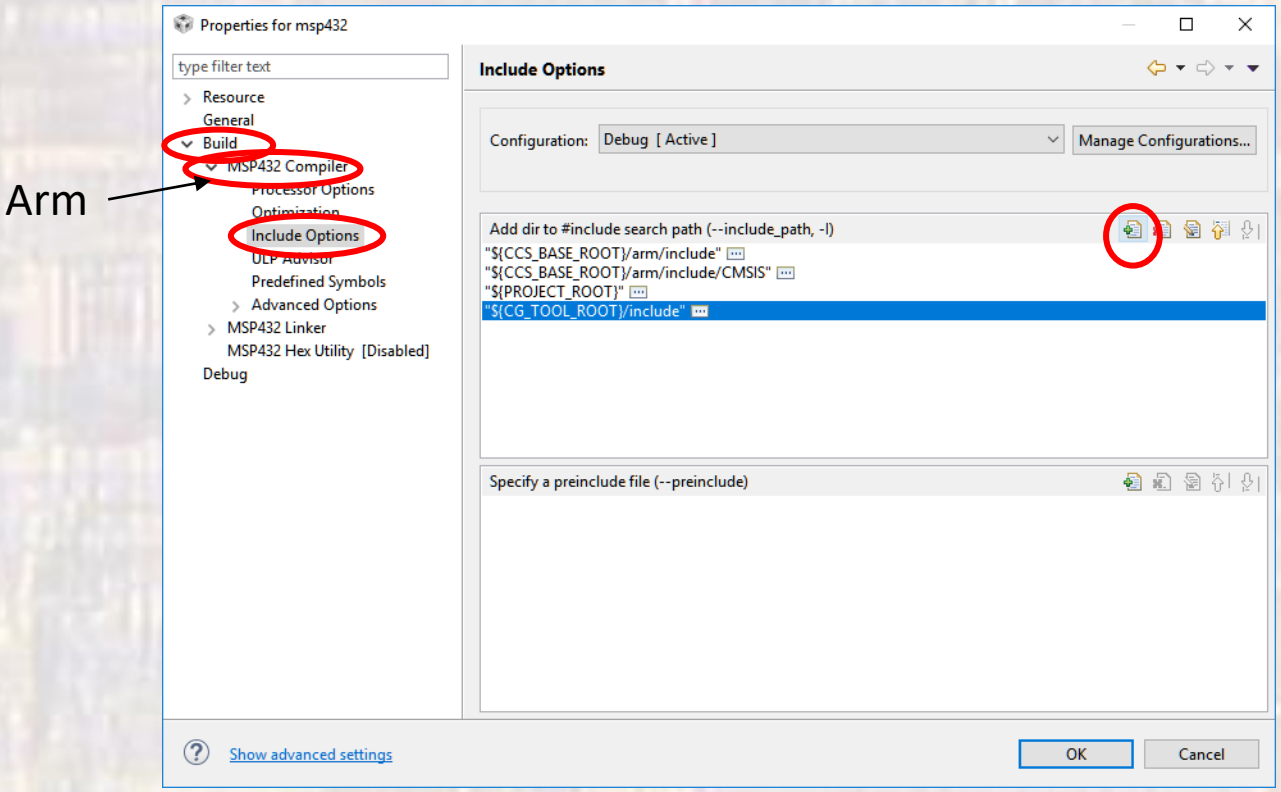
- MSOE_LIB is now visible in your workspace



Library Setup

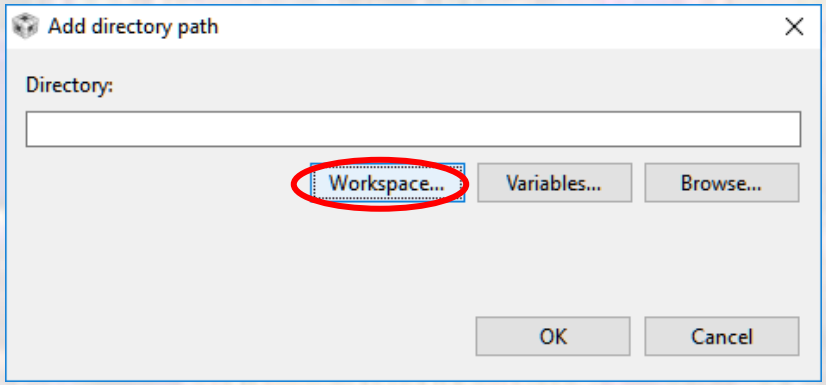
- With your desired project highlighted
- Project -> Properties ->

  Build ->ARM Compiler -> include Options -> +

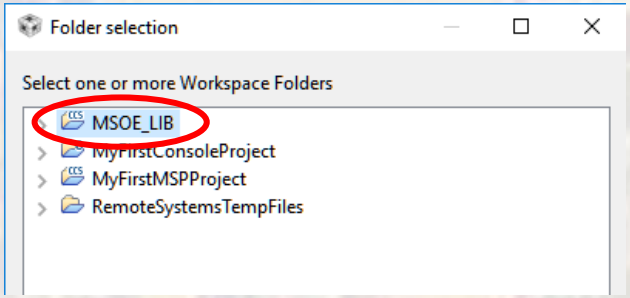


Library Setup

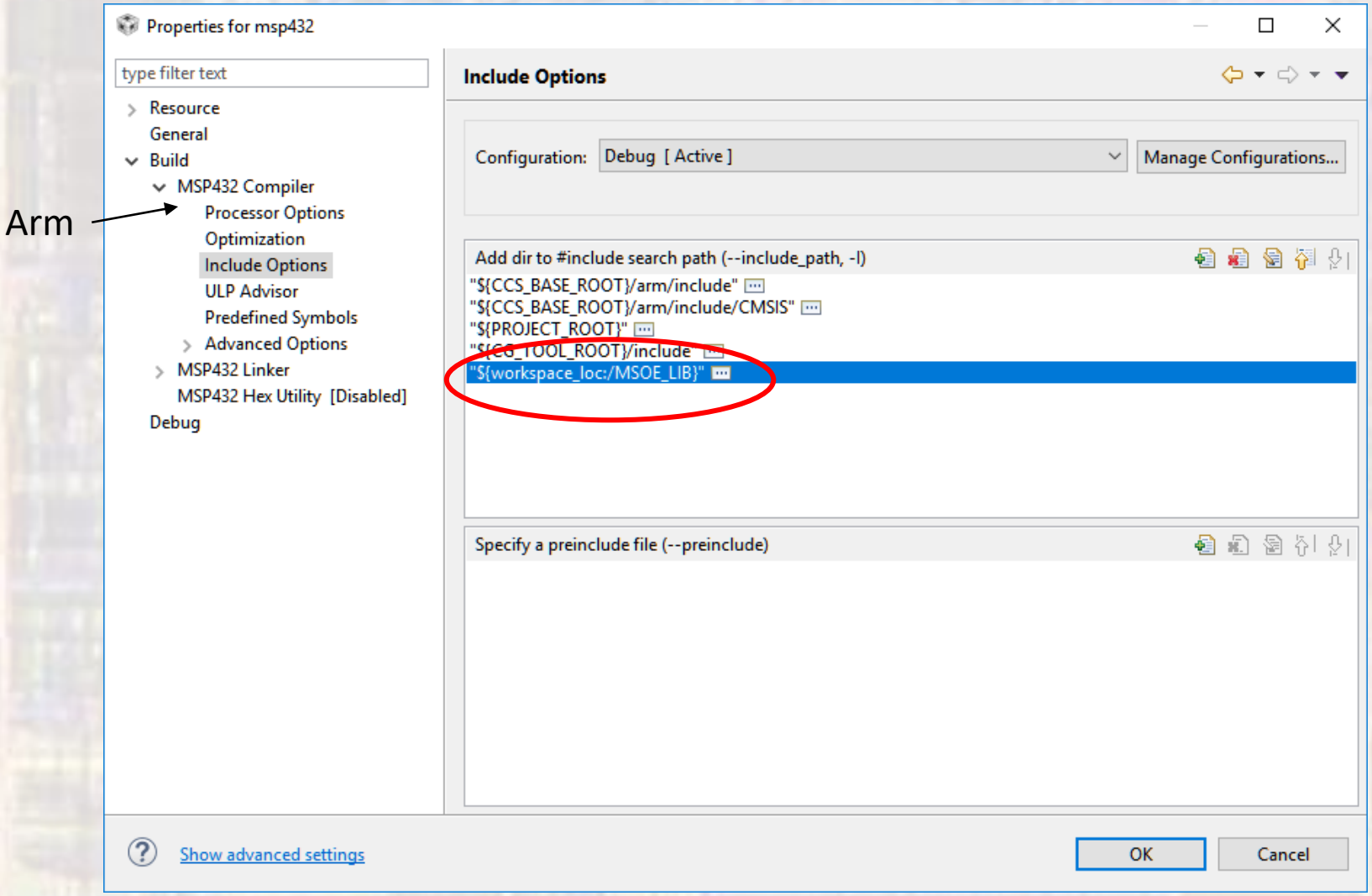
- Select Workspace



- Select MSOE_LIB



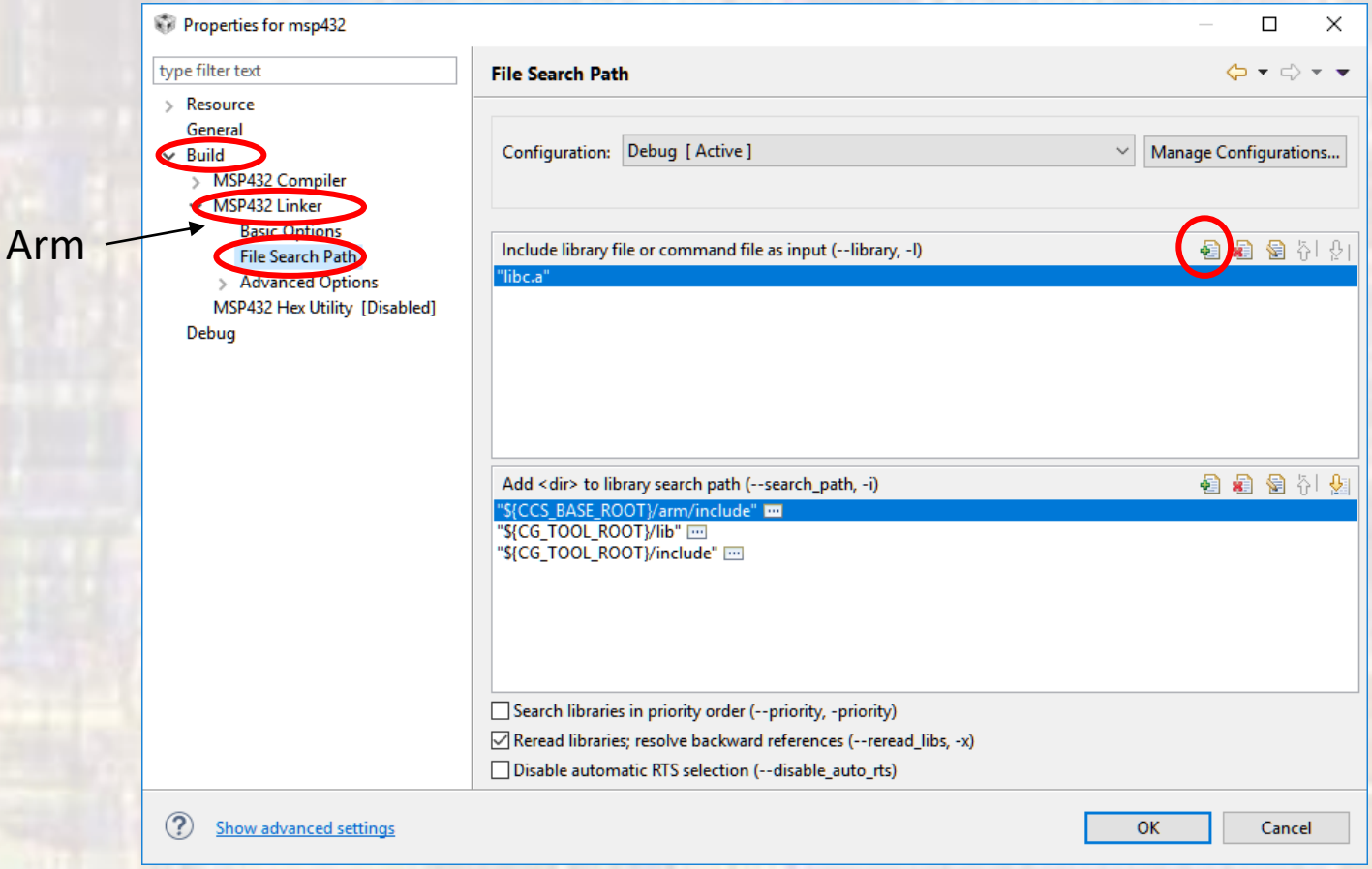
Library Setup



Library Setup

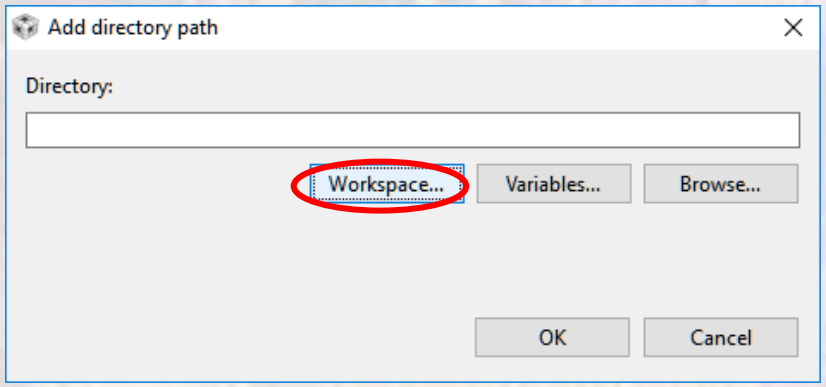
- Project -> Properties ->

  Build -> ARM Linker -> File Search Path -> +

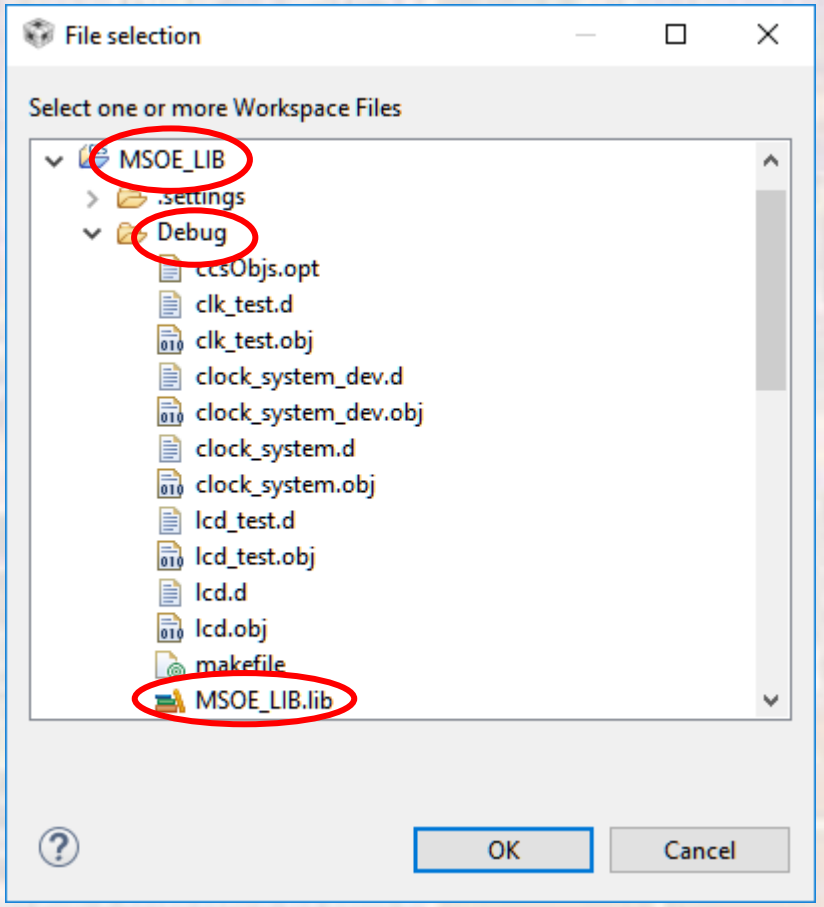


Library Setup

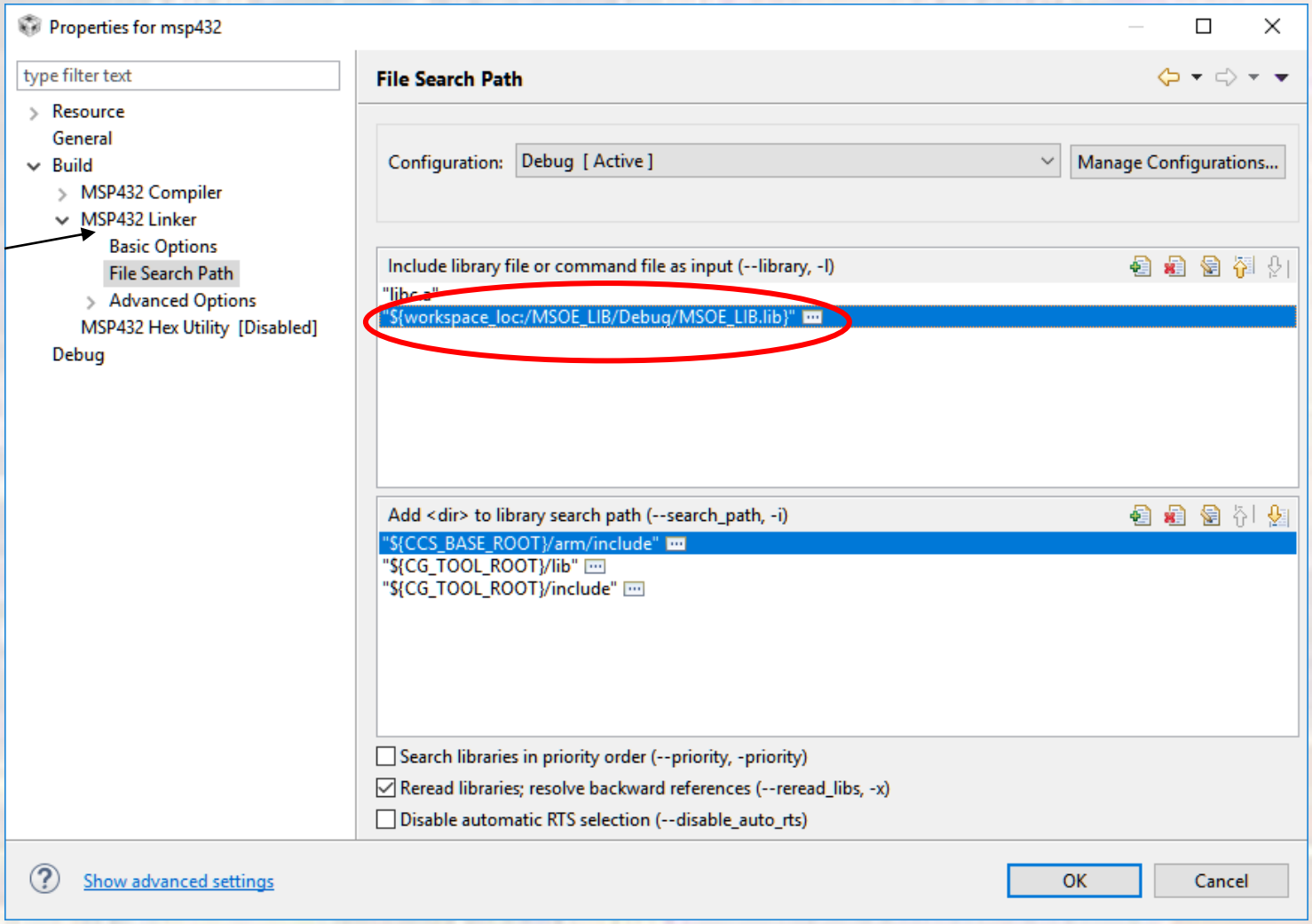
- Select Workspace



- Expand MSOE_LIB
- Expand Debug
- Select MSOE_LIB.lib



Library Setup

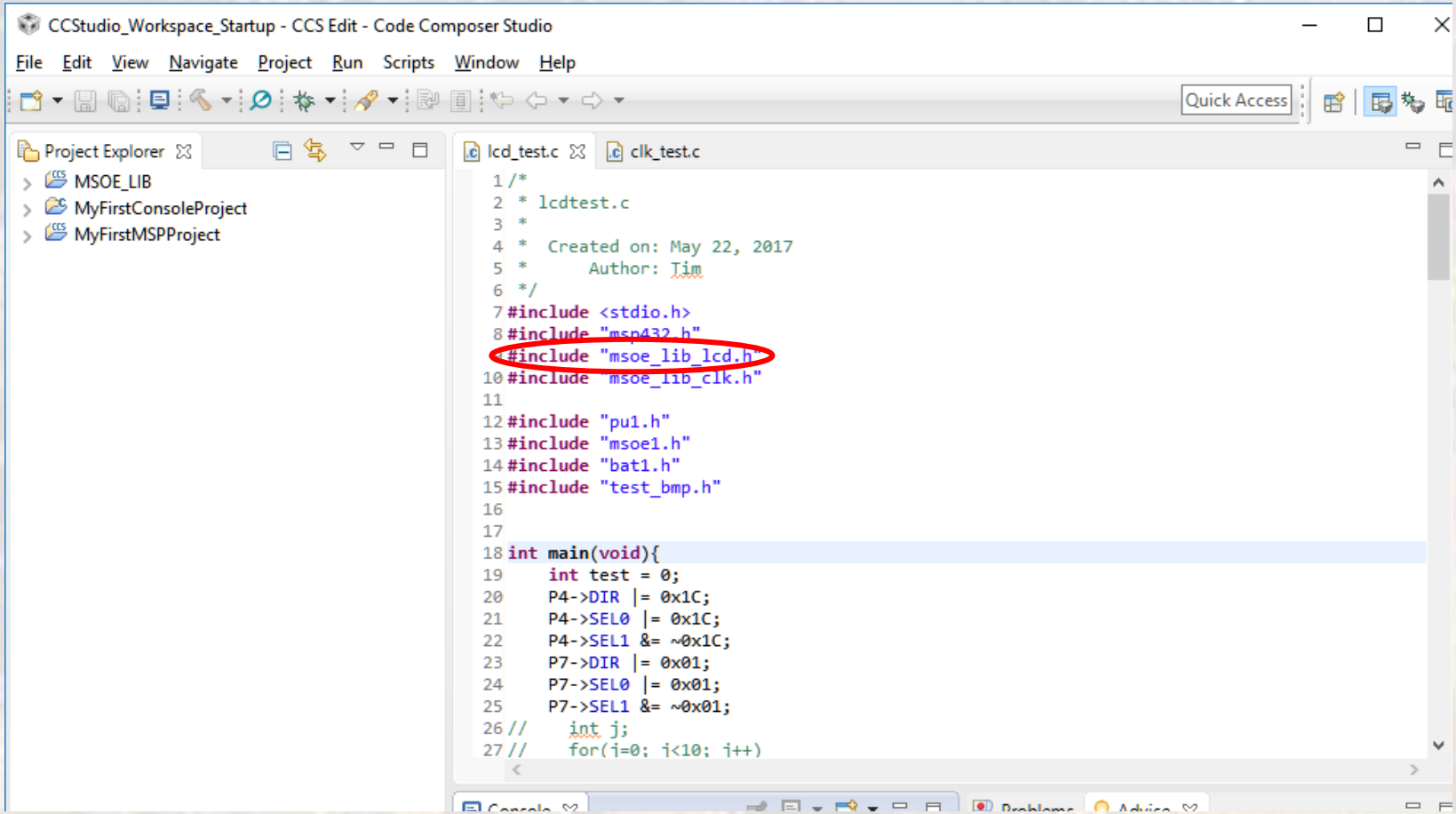


Library Setup

- #include “msoe_lib_xxx.h” in your program

Library Setup

- #include “msoe_lib_lcd.h” in your program



Library Setup

- Use the library functions in your code

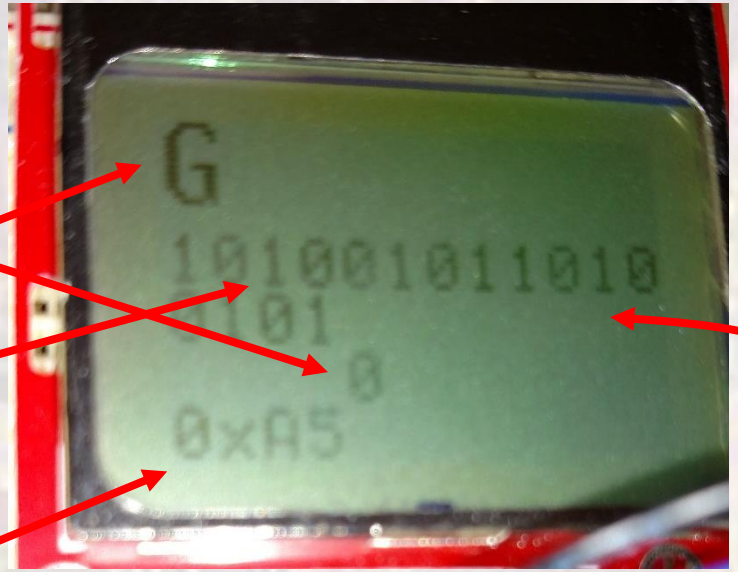
```
LCD_Config();
LCD_clear();

char foo = '0';
LCD_goto_xy(4,4);
LCD_print_char(foo);

LCD_print_bigchar(0, 0,'G');

uint16_t bin16 = 0xA5A5;
LCD_goto_xy(0,2);
LCD_print_bin16(bin16);

uint8_t hex8 = 0xA5;
LCD_goto_xy(0,5);
LCD_print_hex8(hex8);
```



note wrap-around

