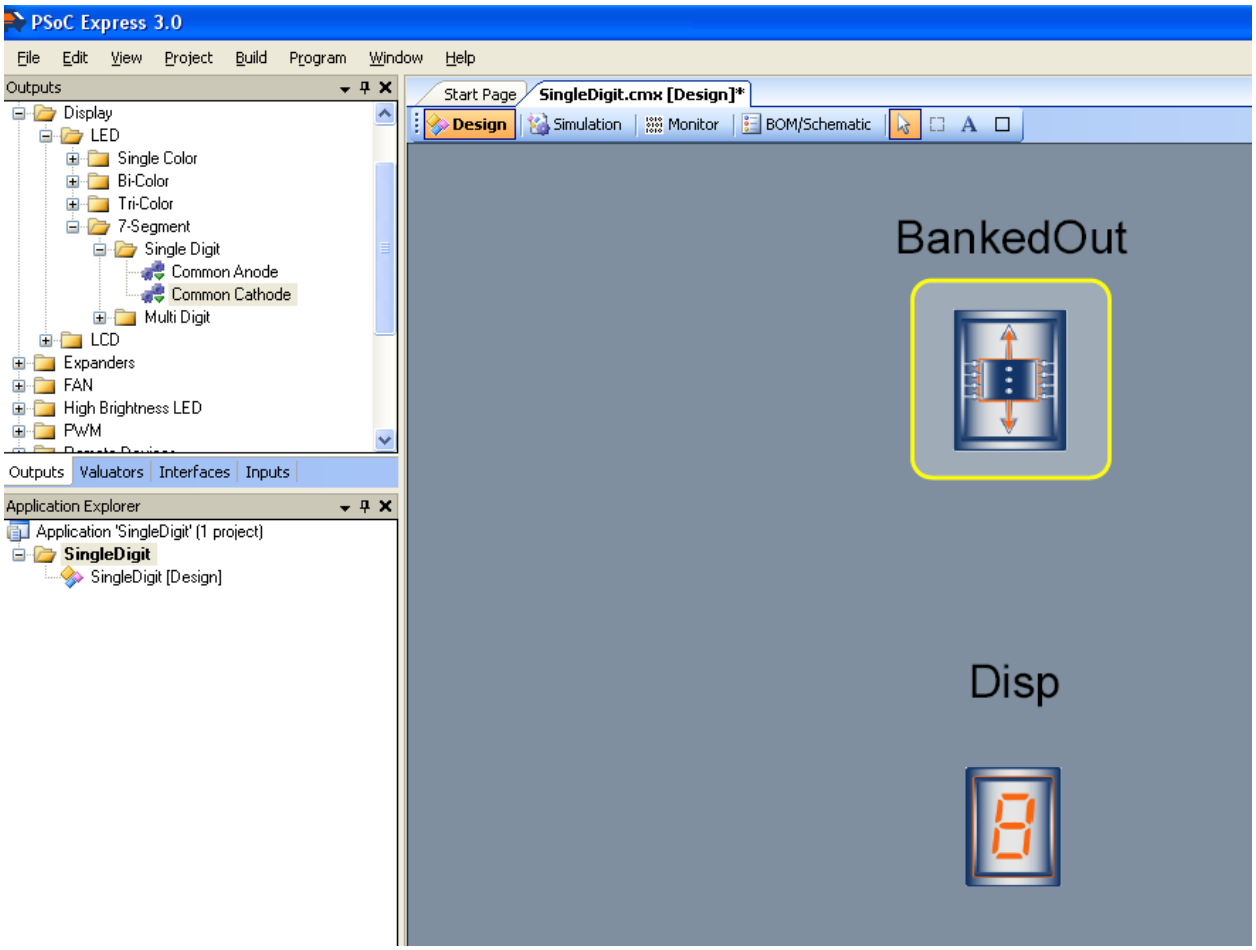
Case: Single digit 7 Segment display

Solution:

Platform used is World Tour Board

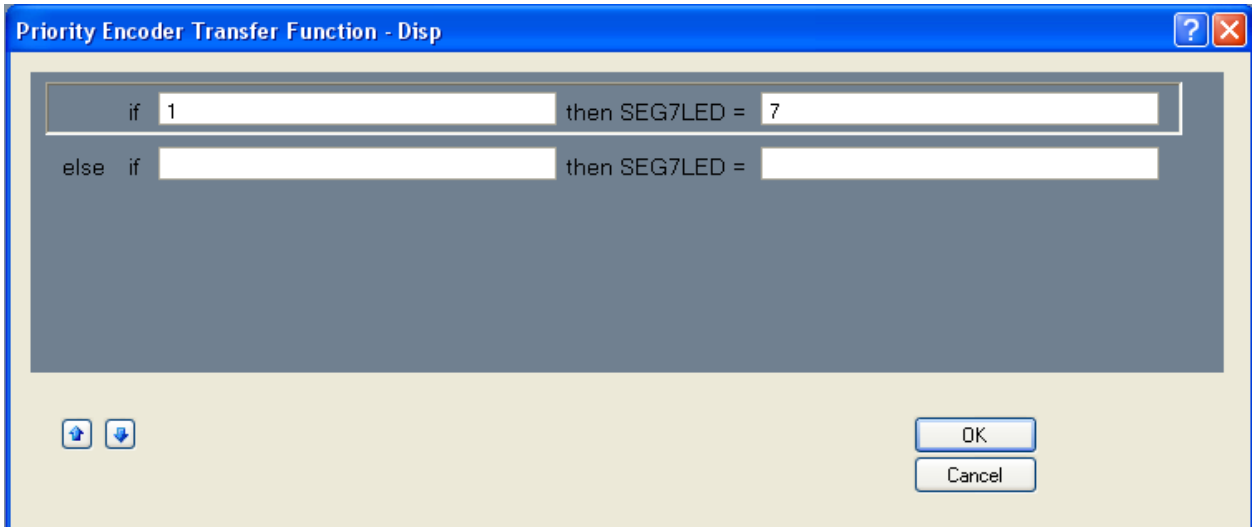
PSoC Express Project

Step1: Select single-digit common cathode display driver and banked output driver.



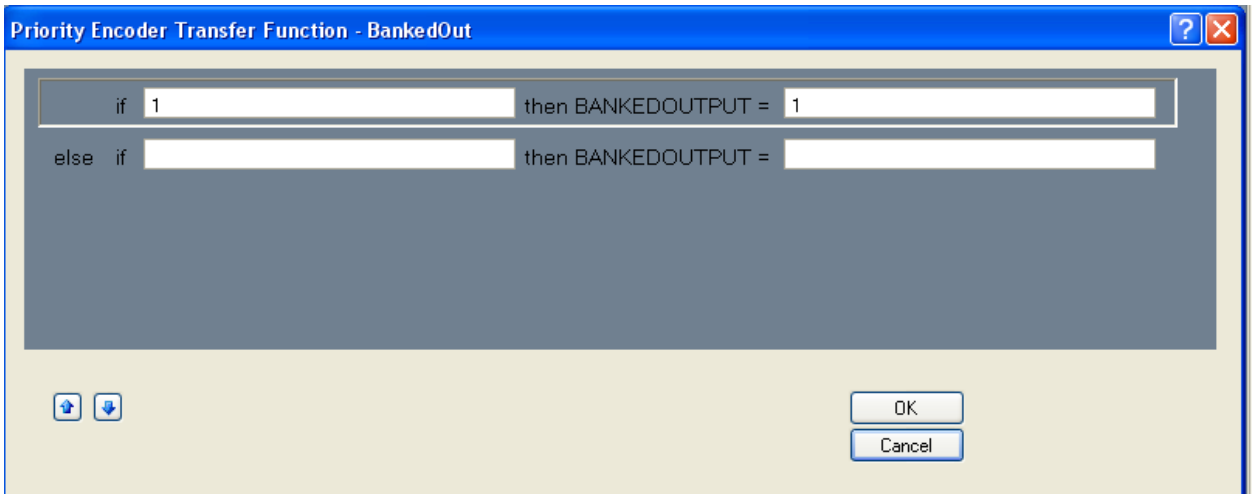
Step 2:

Select the priority encoder transfer function for display.



Step 3:

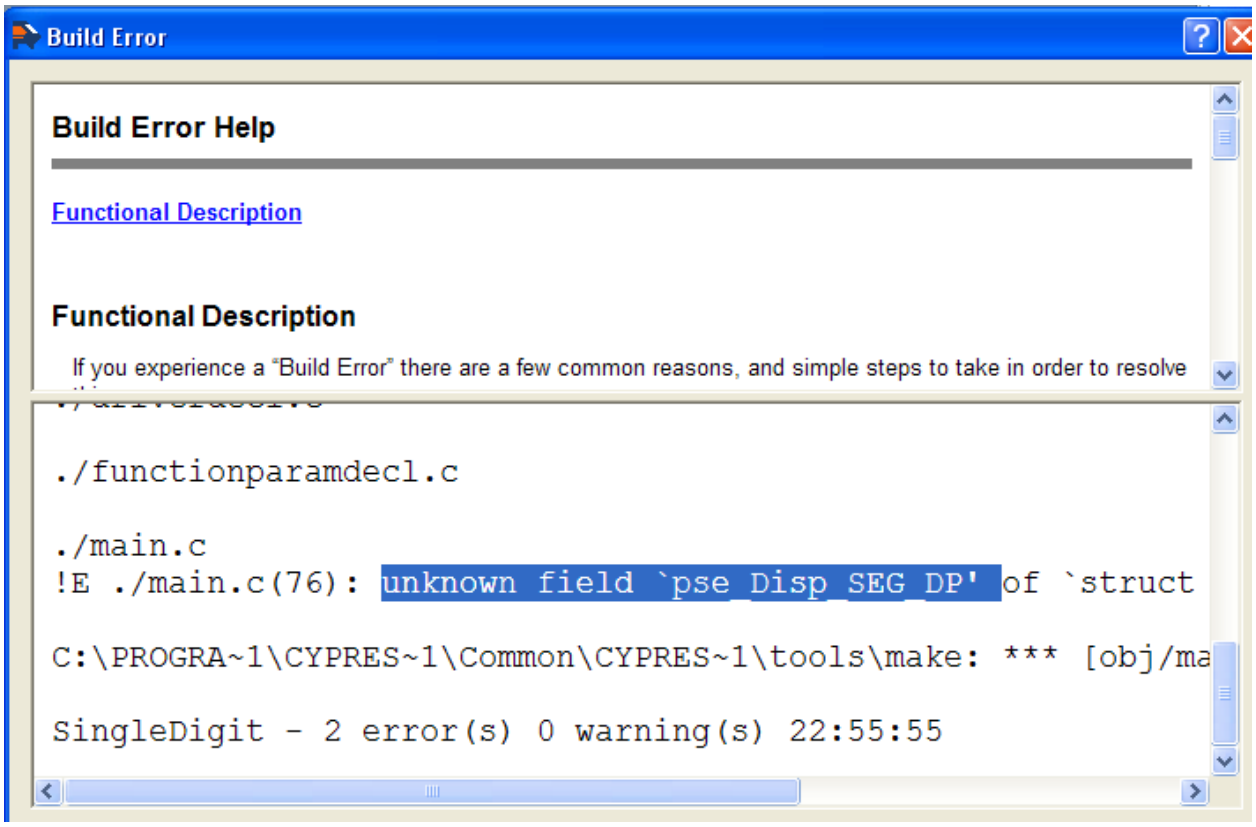
Select the priority encoder for banked out driver



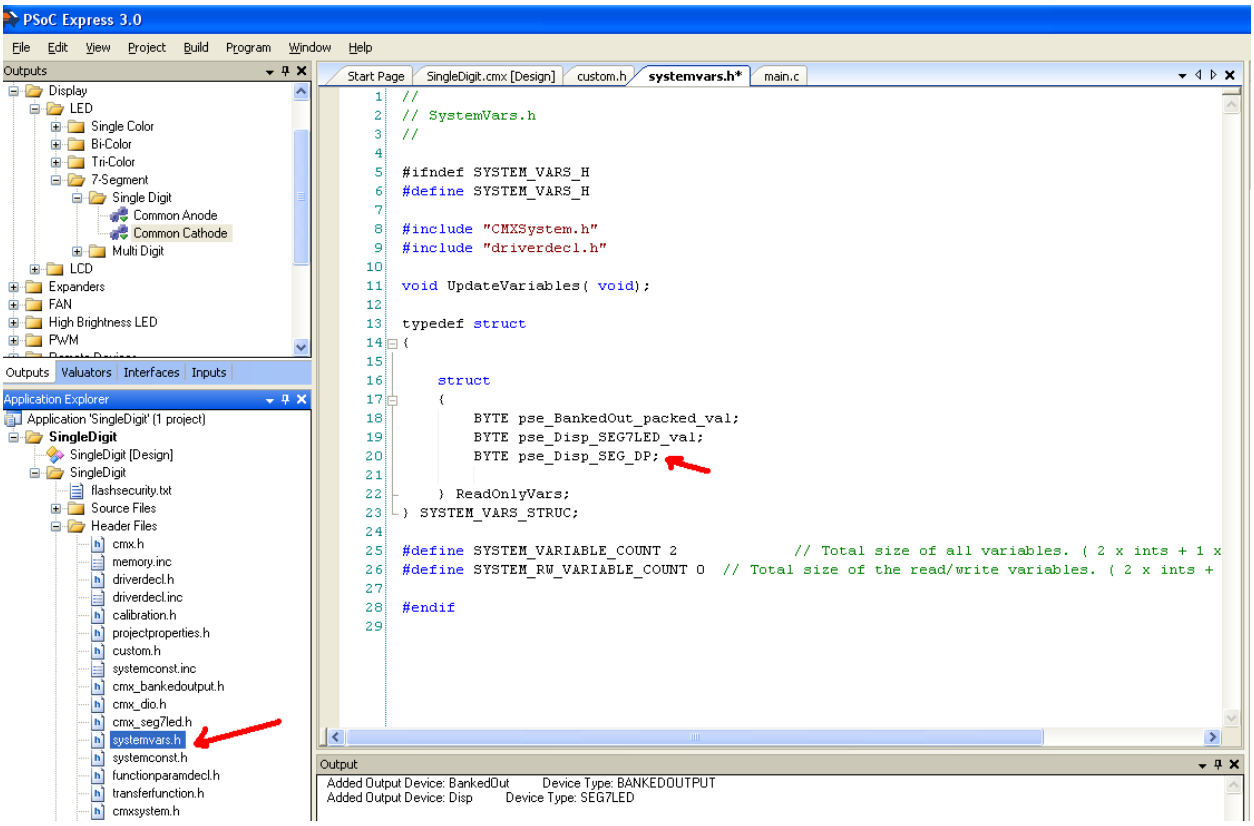
Step 4:

Generate/ build it

This will given an error as given below-



Step 4: Declare this variable in the structure.

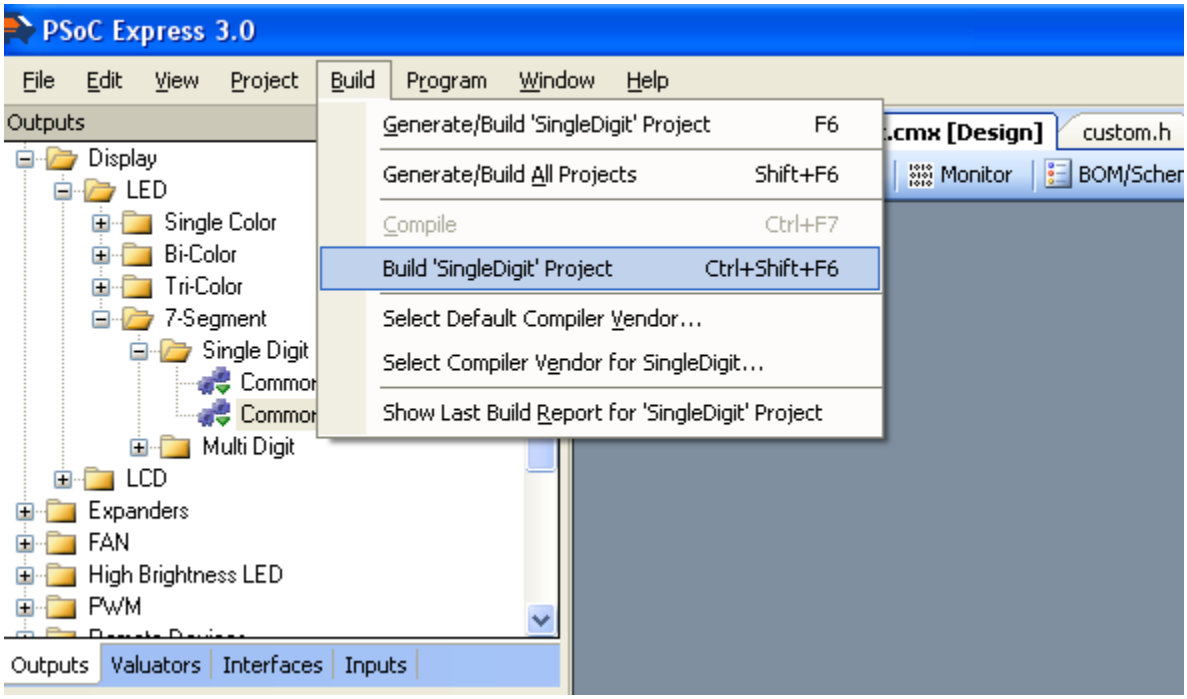


Step 5:

Save all. Go to file menu and save all.

Step 6:

Build the project.



Step 7:

Program the Chip.

Note: open the PSoC programmer and load the hex file. Programmer will not open through menu.

NOTE: There is no need of banked out driver if the cathode of 7 segment display is grounded.

As world tour board was used, digit's cathode is connected to FET drain. So FET is enabled through this driver.