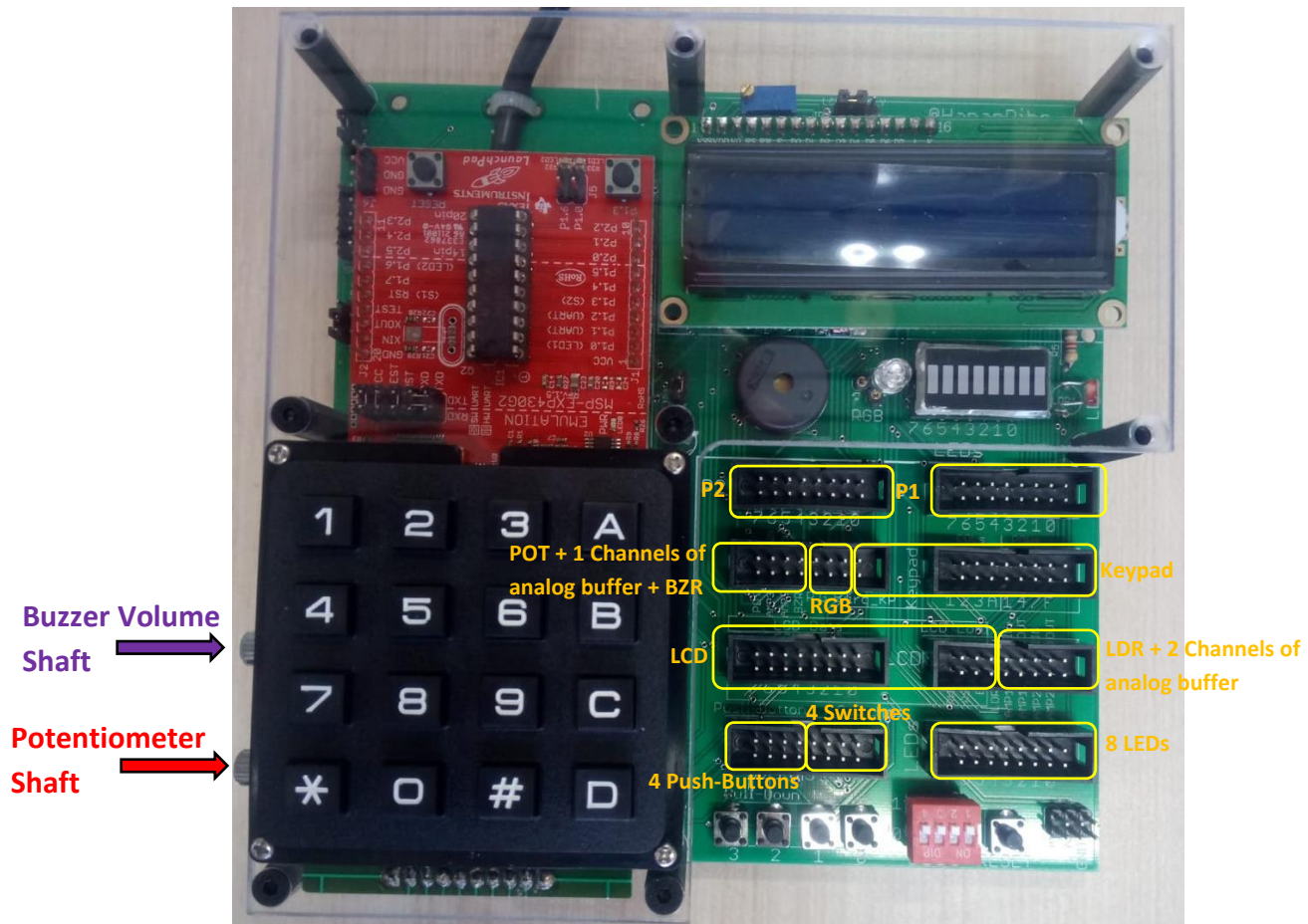
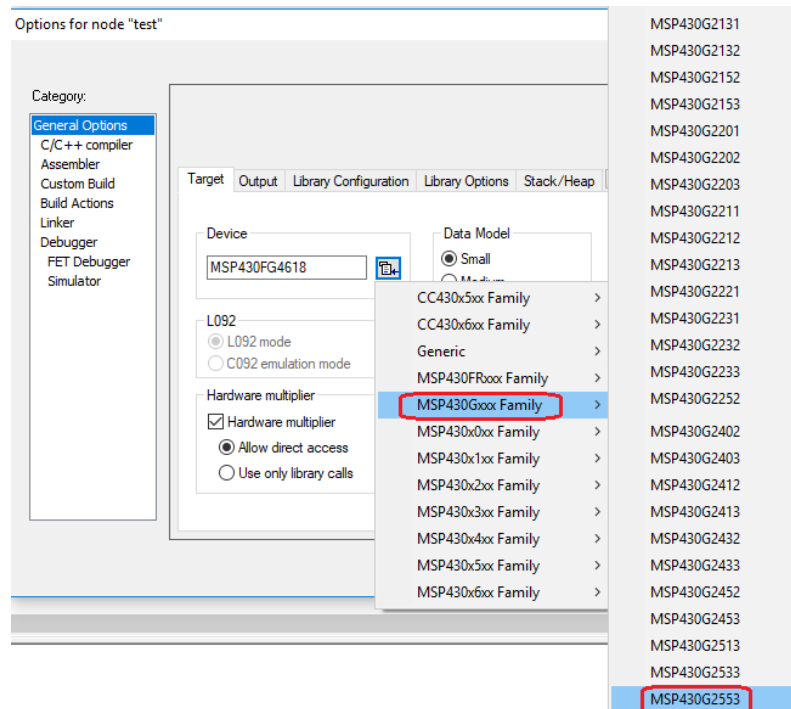


Personal Evaluation Kit E.I.615 – Description and Adaptations requirement

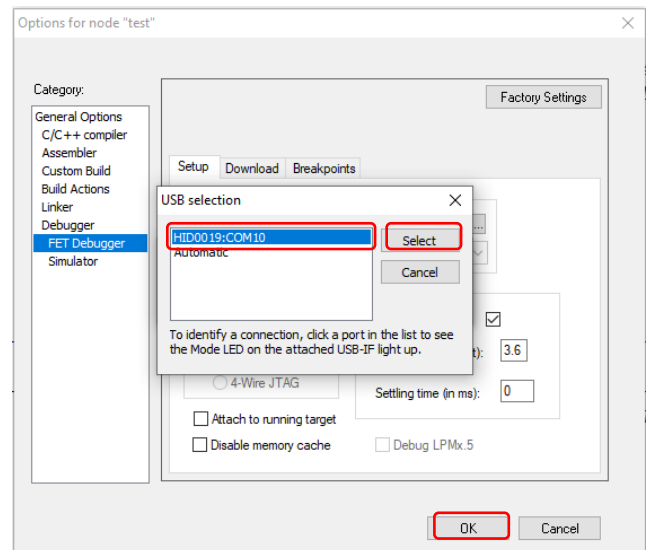
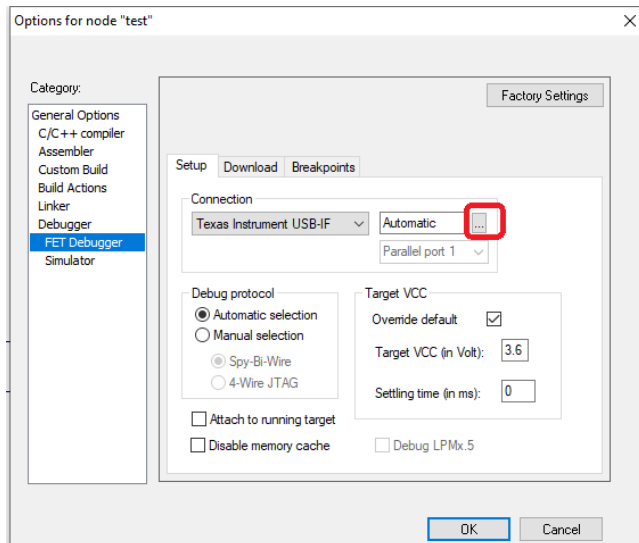
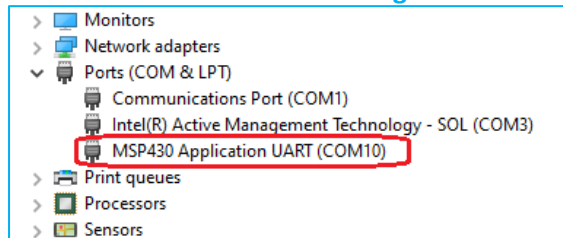
1. Hardware Interface:



2. Serial Number definition in IAR IDE of the suited MCU:



Find it under device manager



3. Memory Organization Differences:

a) LAB Evaluation Kit:

memory organization in MSP430FG46xx

		MSP430FG4616	MSP430FG4617	MSP430FG4618	MSP430FG4619
Memory	Size	92KB	92KB	116KB	120KB
Main: interrupt vector	Flash	0FFFFh - 0FFC0h	0FFFFh - 0FFC0h	0FFFFh - 0FFC0h	0FFFFh - 0FFC0h
Main: code memory	Flash	018FFFh - 002100h	019FFFh - 003100h	01FFFFh - 003100h	01FFFFh - 002100h
RAM (Total)	Size	4KB	8KB	8KB	4KB
		020FFh - 01100h	030FFh - 01100h	030FFh - 01100h	020FFh - 01100h
Extended	Size	2KB	6KB	6KB	2KB
		020FFh - 01900h	030FFh - 01900h	030FFh - 01900h	020FFh - 01900h
Mirrored	Size	2KB	2KB	2KB	2KB
		018FFh - 01100h	018FFh - 01100h	018FFh - 01100h	018FFh - 01100h
Information memory	Size	256 Byte	256 Byte	256 Byte	256 Byte
	Flash	010FFh - 01000h	010FFh - 01000h	010FFh - 01000h	010FFh - 01000h
Boot memory	Size	1KB	1KB	1KB	1KB
	ROM	0FFFh - 0C00h	0FFFh - 0C00h	0FFFh - 0C00h	0FFFh - 0C00h
RAM (mirrored at 018FFh - 01100h)	Size	2KB	2KB	2KB	2KB
		09FFh - 0200h	09FFh - 0200h	09FFh - 0200h	09FFh - 0200h
Peripherals	16 bit	01FFh - 0100h	01FFh - 0100h	01FFh - 0100h	01FFh - 0100h
	8 bit	0FFh - 010h	0FFh - 010h	0FFh - 010h	0FFh - 010h
	8-bit SFR	0Fh - 00h	0Fh - 00h	0Fh - 00h	0Fh - 00h

b) Personal Evaluation Kit:

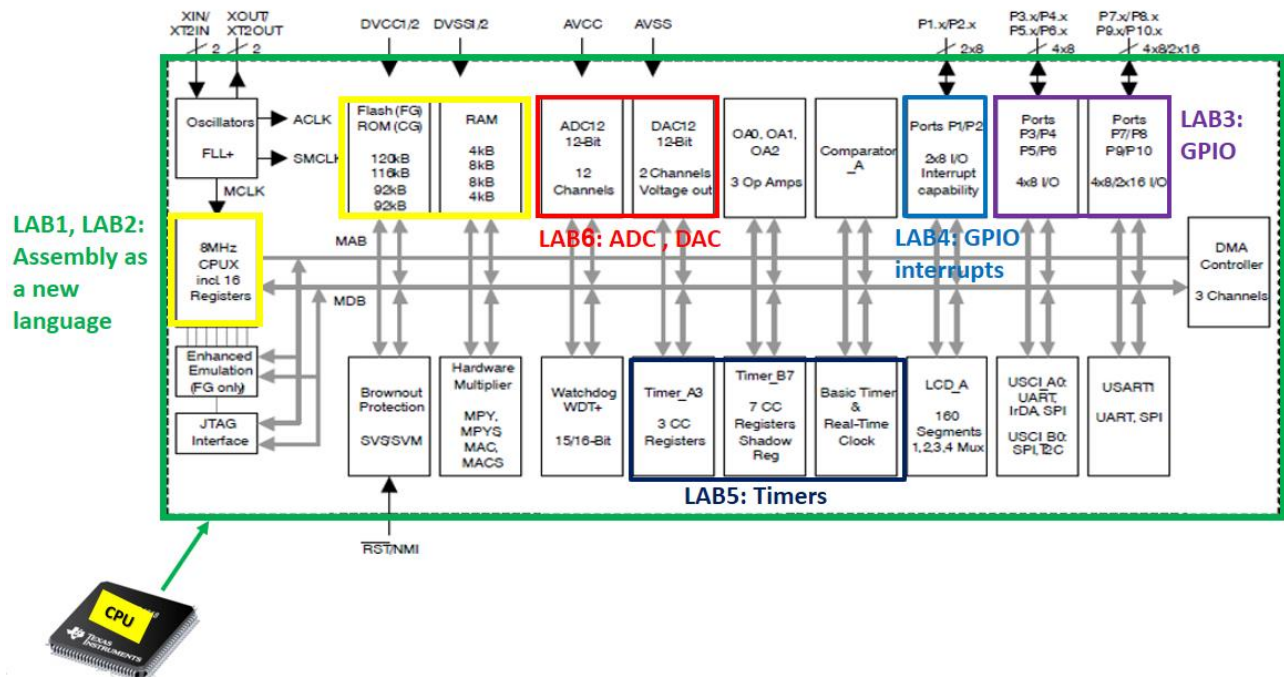
Memory Organization in MSP430G2553

Table 8. Memory Organization

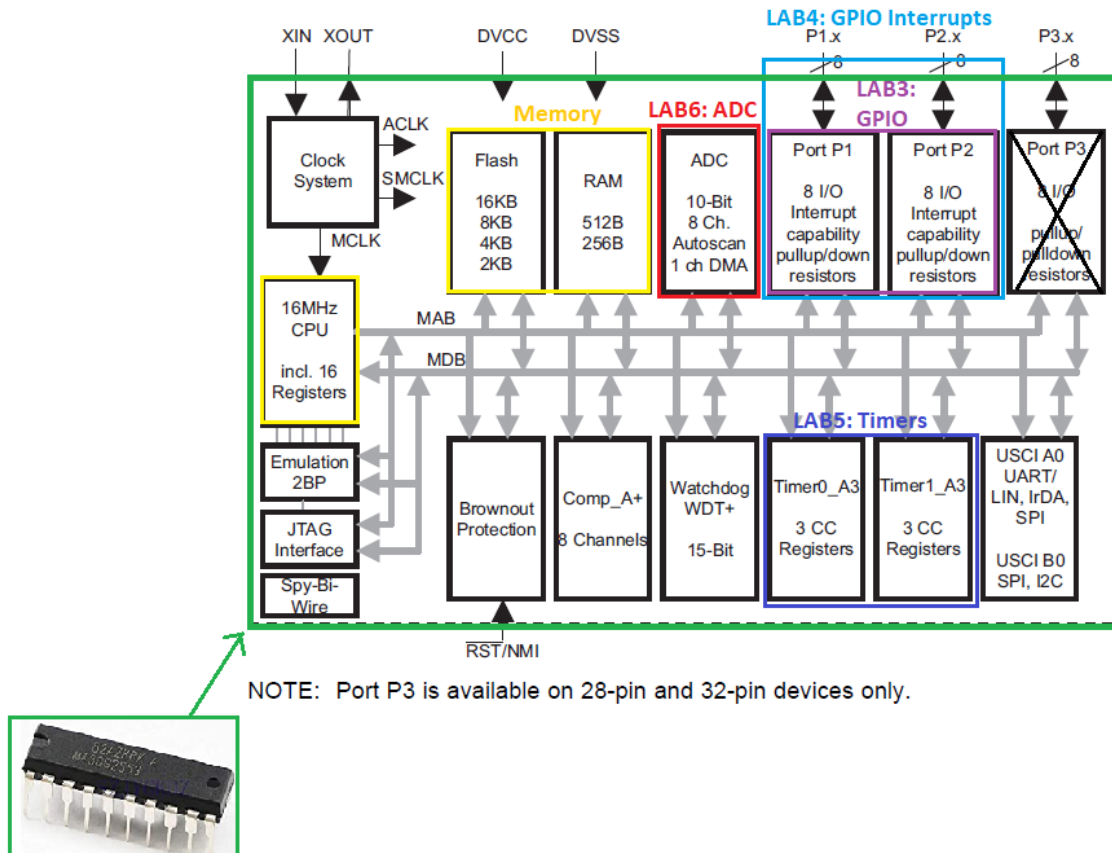
		MSP430G2153	MSP430G2253 MSP430G2213	MSP430G2353 MSP430G2313	MSP430G2453 MSP430G2413	MSP430G2553 MSP430G2513	
Memory	Size	1kB	2kB	4kB	8kB	16kB	FLASH
Main: interrupt vector	Flash	0xFFFF to 0xFFC0	0xFFFF to 0xFFC0	0xFFFF to 0xFFC0	0xFFFF to 0xFFC0	0xFFFF to 0xFFC0	
Main: code memory	Flash	0xFFFF to 0xFC00	0xFFFF to 0xF800	0xFFFF to 0xF000	0xFFFF to 0xE000	0xFFFF to 0xC000	
Information memory	Size	256 Byte	256 Byte	256 Byte	256 Byte	256 Byte	RAM
	Flash	010FFh to 01000h	010FFh to 01000h	010FFh to 01000h	010FFh to 01000h	010FFh to 01000h	
RAM	Size	256 Byte	256 Byte	256 Byte	512 Byte	512 Byte	
		0x02FF to 0x0200	0x02FF to 0x0200	0x02FF to 0x0200	0x03FF to 0x0200	0x03FF to 0x0200	
Peripherals	16-bit	01FFh to 0100h	01FFh to 0100h	01FFh to 0100h	01FFh to 0100h	01FFh to 0100h	
	8-bit	0FFh to 010h	0FFh to 010h	0FFh to 010h	0FFh to 010h	0FFh to 010h	
	8-bit SFR	0Fh to 00h	0Fh to 00h	0Fh to 00h	0Fh to 00h	0Fh to 00h	

4. Peripherals Organization Differences:

a) LAB Evaluation Kit:

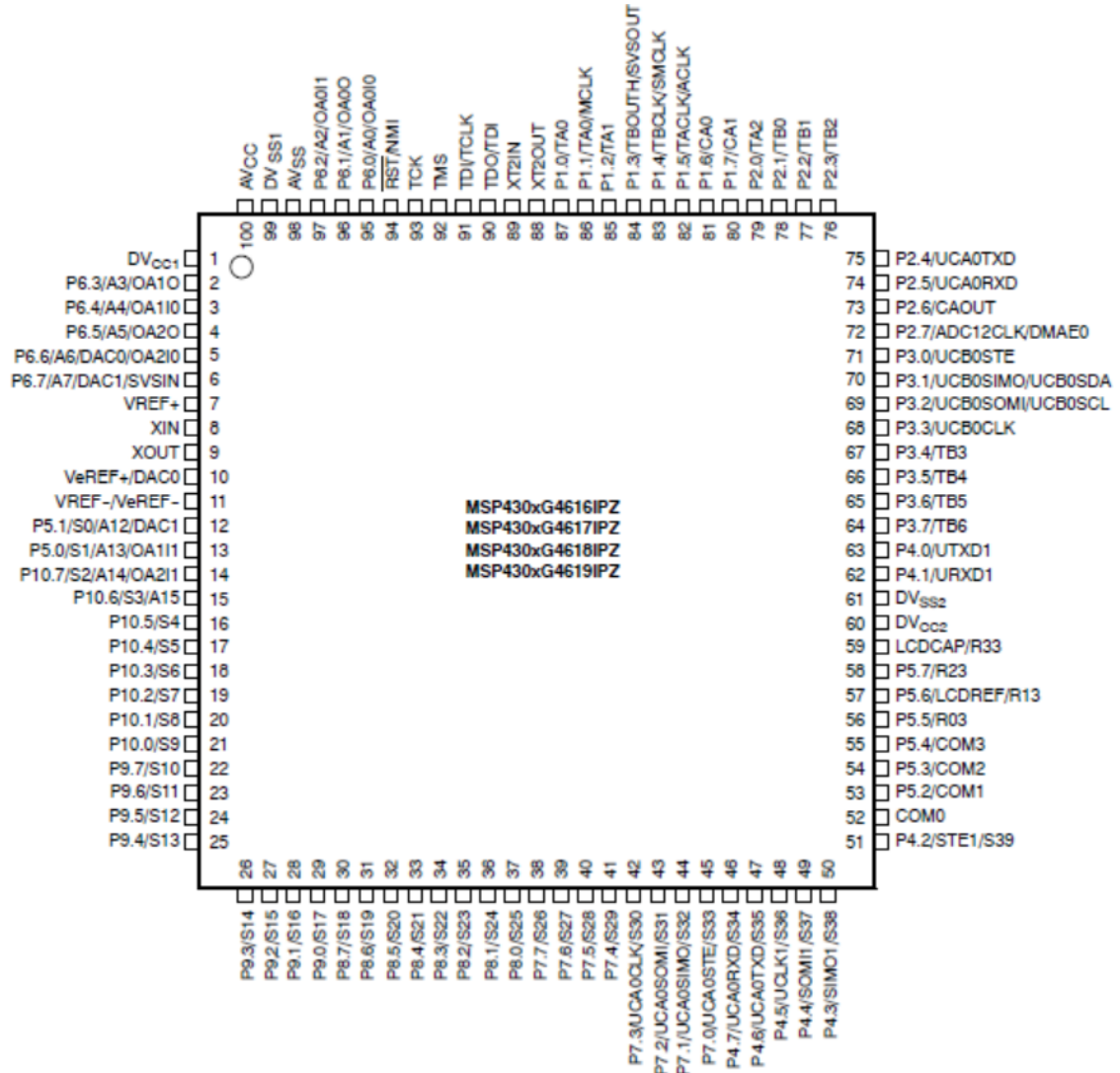


b) Personal Evaluation Kit:



5. Pin out designation Differences:

a) LAB Evaluation Kit (10 ports):



b) Personal Evaluation Kit (2 ports):

