

3.2 R8C/25 Group

Figure 3.2 is a Memory Map of R8C/25 Group. The R8C/25 group has 1 Mbyte of address space from addresses 00000h to FFFFFh.

The internal ROM (program ROM) is allocated lower addresses, beginning with address 0FFFFh. For example, a 48-Kbyte internal ROM area is allocated addresses 04000h to 0FFFFh.

The fixed interrupt vector table is allocated addresses 0FFDCh to 0FFFFh. They store the starting address of each interrupt routine.

The internal ROM (data flash) is allocated addresses 02400h to 02BFFh.

The internal RAM area is allocated higher addresses, beginning with address 00400h. For example, a 2-Kbyte internal RAM is allocated addresses 00400h to 00BFFh. The internal RAM is used not only for storing data but also for calling subroutines and as stacks when interrupt requests are acknowledged.

Special function registers (SFRs) are allocated addresses 00000h to 002FFh. The peripheral function control registers are allocated here. All addresses within the SFR, which have nothing allocated are reserved for future use and cannot be accessed by users.

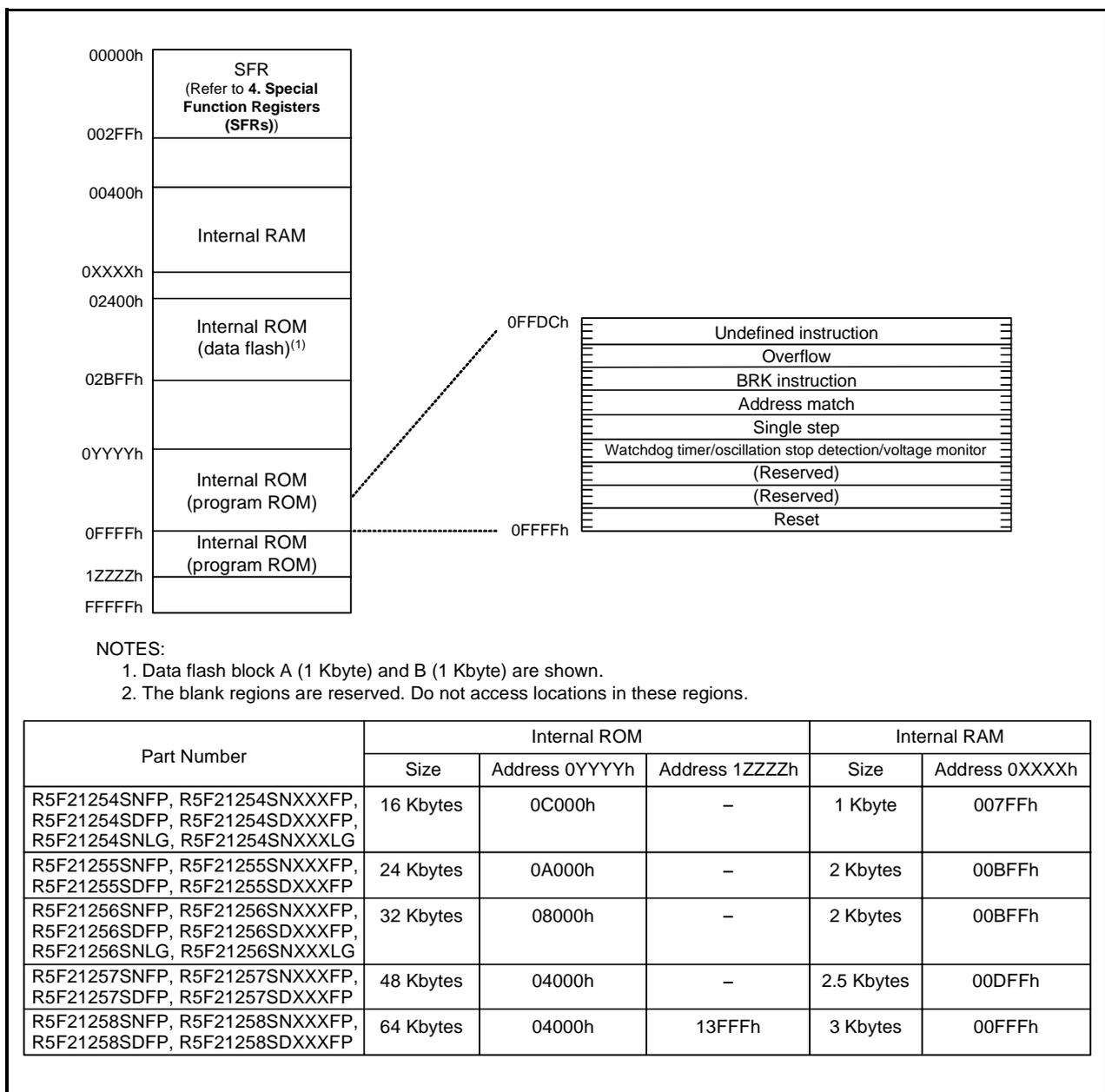


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