

```
1
2  #include <lm3s1968.h>
3
4  void DAC_Init(void) { int nop;
5      SYSTCL_RCGC2_R |= SYSTCL_RCGC2_GPIOF;
6      nop = 0;
7      nop = nop + 1;
8      GPIO_PORTF_DIR_R |= 0x0F;
9      GPIO_PORTF_DEN_R |= 0x0F;
10     GPIO_PORTF_AFSEL_R |= 0x00;
11 }
12
13 void DAC_Out(unsigned long packet) {
14     packet &= 0x0F;
15     GPIO_PORTF_DATA_R = packet;
16 }
17
```