

```
1 -----
2 --
3 --          GNAT RAVENSCAR for NXT          --
4 --          Copyright (C) 2010, AdaCore    --
5 --
6 -----
7
8 with Interfaces; use Interfaces;
9
10 -- Low-level LCD commands.
11
12 package NXT.LCD is
13
14   -- Viewable pixels.
15   subtype Pixel_Columns is Natural range 0 .. 99;
16   subtype Pixel_Rows    is Natural range 0 .. 7;
17   -- 0,0 is upper left; 99,7 is lower right
18
19   type LCD_Line is array (Pixel_Columns range <>) of Unsigned_8;
20
21   -- Raw number of columns and pages.
22   subtype Raw_Columns is Natural range 0 .. 255;
23   subtype Raw_Pages   is Natural range 0 .. 15;
24
25   procedure Command (Cmd : Unsigned_8);
26   -- Send a command to the lcd.
27
28   procedure Write (Page : Raw_Pages; Start : Raw_Columns; Graph : LCD_line);
29
30   procedure Set_All_Pixels_On (On : Boolean);
31   procedure Set_Inverse_Display (On : Boolean);
32   -- High level commands.
33
34   procedure Power_On;
35   -- Power up and initialize LCD.
36
37 end NXT.LCD;
38
```