

```
1 -----
2 --
3 --          GNAT RAVENSCAR for NXT          --
4 --          Copyright (C) 2010, AdaCore    --
5 --
6 -----
7
8 --  Interface for Analog/Digital Converter.
9
10 with Interfaces; use Interfaces;
11
12 package NXT.ADC is
13
14     subtype ADC_Channel is Natural range 0 .. 7;
15
16     procedure Enable_Channel (N : ADC_Channel);
17     procedure Disable_Channel (N : ADC_Channel);
18
19     pragma Inline (Enable_Channel);
20     pragma Inline (Disable_Channel);
21
22     procedure Convert;
23     pragma Inline (Convert);
24     -- Start conversion. All values must be read before the next conversion.
25
26     function Read_Channel (N : ADC_Channel) return Unsigned_32;
27     pragma Inline (Read_Channel);
28
29     procedure Initialize;
30
31 end NXT.ADC;
32
```