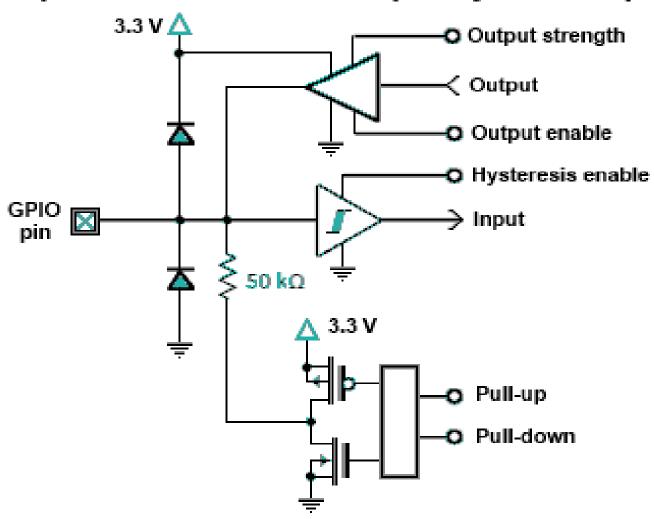


PIN-OUT

8 free digital I/O

3.3V	1	2	5V
I2CO SDA	3	4	DNC
I2CO SCL	5	6	GROUND
GPIO4	7	8	UART TXD
DNC	9	10	UART RXD
GPIO 17	11	12	GPIO 18
GPIO 21	13	14	DNC
GPIO 22	15	16	GPIO 23
DNC	17	18	GPIO 24
SP10 MOSI	19	20	DNC
SP10 MISO	21	22	GPIO 25
SP10 SCLK	23	24	SP10 CE0 N
DNC	25	26	SP10 CE1 N

Equivalent Circuit for Raspberry Pi GPIO pins



Some I/O Electrical Parameters			
V _{IL}	Input low voltage	Typical: < 0,54V	
V _{IH}	Input high voltage	Typical: > 2,31V	
V _{OL}	Output low voltage	Typical: < 0,40V	
V _{OH}	Output high voltage	Typical: > 2,40V	
I _{DRV}	Intensity drive (single pin) Sink/Source	2 - 16 mA (2mA step select) Typical: 8mA	
I _{DRV}	Intensity drive (all pins)	Maximum: 50mA!!	
R _{UD}	Pull Up/down resistor	Typical: 50 KOhm	

PYTHON CODE EXAMPLE

provaio.py

```
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BCM)
GPIO.setup(23,GPIO.IN,pull_up_down=GPIO.PUD_UP)
print("Esperant contacte...")
GPIO.wait_for_edge(23,GPIO.FALLING)
print("Sortint")
GPIO.cleanup()
```

PYTHON CODE EXAMPLE

Prerequisites:

```
>sudo apt-get update
```

>sudo apt-get install python-dev

>sudo apt-get install python-rpi.gpio

TEST: GPIO23 (pin 16) connects to GROUND (pin 6)

