

# SMARC T335X Linux Development

## How can I check status of pinmux of some AM335x pin?

You need to download AM335X Technical Reference Manual document spruh73e.pdf, look at section 9.3, table 9.10. The offset is 800.

Then you can execute the following command.

```
root@arm:~# cat /sys/kernel/debug/pinctrl/44e10800.pinmux/pins |grep "884"
```

The output will be

```
pin 33 (44e10884.0) 00000032 pinctrl-single
```

```
root@arm:~# cat /sys/kernel/debug/pinctrl/44e10800.pinmux/pins |grep "884"
```

```
pin 33 (44e10884.0) 00000032 pinctrl-single
```

```
root@arm:~#
```

"884" in the table means "gpmc\_csn2" and then compare to the pinmux tool. The configuration for "gpmc\_csn2" is 0x32. 0x32 means input/pullup/mode2 (mmc1\_cmd).

To know what this setting means, we can look to the Technical Reference Manual again.

Section 9.3.50 describes what this value means. Table 9-60 shows us each bit:

Bit	1	0
5	Receive Enable	Receive disable
4	Pullup	Pulldown
3	Pullup/down Disabled	Pullup/down Enabled
2,1,0	Mode	

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