

## gpio.txt

Every GPIO controller node must have #gpio-cells property defined, this information will be used to translate gpio-specifiers.

On CPM1 devices, all ports are using slightly different register layouts. Ports A, C and D are 16bit ports and Ports B and E are 32bit ports.

On CPM2 devices, all ports are 32bit ports and use a common register layout.

Required properties:

- compatible : "fsl,cpm1-pario-bank-a", "fsl,cpm1-pario-bank-b", "fsl,cpm1-pario-bank-c", "fsl,cpm1-pario-bank-d", "fsl,cpm1-pario-bank-e", "fsl,cpm2-pario-bank"
- #gpio-cells : Should be two. The first cell is the pin number and the second cell is used to specify optional parameters (currently unused).
- gpio-controller : Marks the port as GPIO controller.

Example of three SOC GPIO banks defined as gpio-controller nodes:

```
CPM1_PIO_A: gpio-controller@950 {
    #gpio-cells = <2>;
    compatible = "fsl,cpm1-pario-bank-a";
    reg = <0x950 0x10>;
    gpio-controller;
};

CPM1_PIO_B: gpio-controller@ab8 {
    #gpio-cells = <2>;
    compatible = "fsl,cpm1-pario-bank-b";
    reg = <0xab8 0x10>;
    gpio-controller;
};

CPM1_PIO_E: gpio-controller@ac8 {
    #gpio-cells = <2>;
    compatible = "fsl,cpm1-pario-bank-e";
    reg = <0xac8 0x18>;
    gpio-controller;
};
```