# Register map

Created with Corsair v1.0.4.

## Conventions

| Access mode | Description |
| --- | --- |
| rw | Read and Write |
| rw1c | Read and Write 1 to Clear |
| rw1s | Read and Write 1 to Set |
| ro | Read Only |
| roc | Read Only to Clear |
| roll | Read Only / Latch Low |
| rolh | Read Only / Latch High |
| wo | Write only |
| wosc | Write Only / Self Clear |

## Register map summary

Base address: 0x00000000
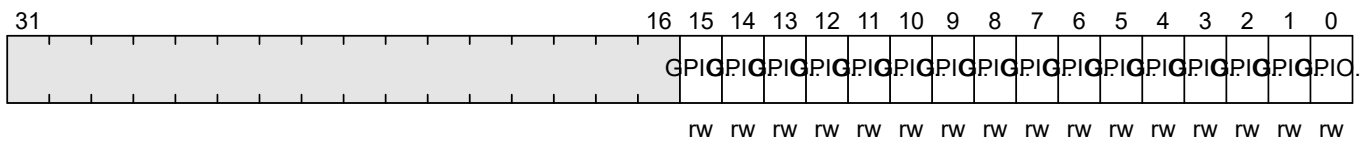
| Name | Address | Description |
| --- | --- | --- |
| GPIO_IO | 0x00000000 | GPIO Read/Write Register |
| GPIO_CONFIG | 0x00000004 | GPIO_CONFIG |

## GPIO_IO

GPIO Read/Write Register

Address offset: 0x00000000

Reset value: 0x00000000



| Name | Bits | Mode | Reset | Description |
| --- | --- | --- | --- | --- |
| - | 31:16 | - | 0x0000 | Reserved |

| Name | Bits | Mode | Reset | Description |
|------|------|------|-------|-------------|
| GPIO_15 | 15 | rw | 0x0 | GPIO15 |
| GPIO_14 | 14 | rw | 0x0 | GPIO14 |
| GPIO_13 | 13 | rw | 0x0 | GPIO13 |
| GPIO_12 | 12 | rw | 0x0 | GPIO12 |
| GPIO_11 | 11 | rw | 0x0 | GPIO11 |
| GPIO_10 | 10 | rw | 0x0 | GPIO10 |
| GPIO_9 | 9 | rw | 0x0 | GPIO9 |
| GPIO_8 | 8 | rw | 0x0 | GPIO8 |
| GPIO_7 | 7 | rw | 0x0 | GPIO7 |
| GPIO_6 | 6 | rw | 0x0 | GPIO6 |
| GPIO_5 | 5 | rw | 0x0 | GPIO5 |
| GPIO_4 | 4 | rw | 0x0 | GPIO4 |
| GPIO_3 | 3 | rw | 0x0 | GPIO3 |
| GPIO_2 | 2 | rw | 0x0 | GPIO2 |
| GPIO_1 | 1 | rw | 0x0 | GPIO1 |
| GPIO_0 | 0 | rw | 0x0 | GPIO0 |

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## GPIO_CONFIG

GPIO_CONFIG

Address offset: 0x00000004

Reset value: 0x0000ff00
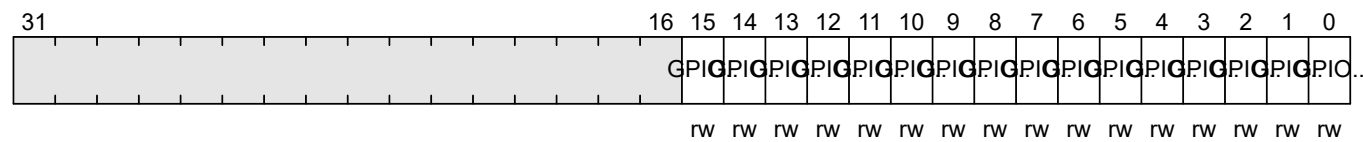
| 31 | | | | | | | | | | | | | | | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO | GPIO.. |
| | | | | | | | | | | | | | | | | rw | rw | rw | rw | rw | rw | rw | rw | rw | rw | rw | rw | rw | rw | rw | rw |

| Name | Bits | Mode | Reset | Description |
|------|------|------|-------|-------------|
| - | 31:16 | - | 0x0000 | Reserved |
| GPIO_15_CONFIG | 15 | rw | 0x1 | GPIO15_CONFIG |
| GPIO_14_CONFIG | 14 | rw | 0x1 | GPIO14_CONFIG |
| GPIO_13_CONFIG | 13 | rw | 0x1 | GPIO13_CONFIG |

| Name | Bits | Mode | Reset | Description |
| --- | --- | --- | --- | --- |
| GPIO_12_CONFIG | 12 | rw | 0x1 | GPIO12_CONFIG |
| GPIO_11_CONFIG | 11 | rw | 0x1 | GPIO11_CONFIG |
| GPIO_10_CONFIG | 10 | rw | 0x1 | GPIO10_CONFIG |
| GPIO_9_CONFIG | 9 | rw | 0x1 | GPIO9_CONFIG |
| GPIO_8_CONFIG | 8 | rw | 0x1 | GPIO8_CONFIG |
| GPIO_7_CONFIG | 7 | rw | 0x0 | GPIO7_CONFIG |
| GPIO_6_CONFIG | 6 | rw | 0x0 | GPIO6_CONFIG |
| GPIO_5_CONFIG | 5 | rw | 0x0 | GPIO5_CONFIG |
| GPIO_4_CONFIG | 4 | rw | 0x0 | GPIO4_CONFIG |
| GPIO_3_CONFIG | 3 | rw | 0x0 | GPIO3_CONFIG |
| GPIO_2_CONFIG | 2 | rw | 0x0 | GPIO2_CONFIG |
| GPIO_1_CONFIG | 1 | rw | 0x0 | GPIO1_CONFIG |
| GPIO_0_CONFIG | 0 | rw | 0x0 | GPIO0_CONFIG |

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