

**timers**

**Features**

24-bit general timers

Slave APB interface

**Configuration Parameters**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Format** | **Value** | **Description** |
| TPRESC | integer | Decimal | 22.0 | example to show, how to write parameters. |

**Pin Description**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Direction** | **Description** |
| clk | digital | in |  |
| rst | digital | in |  |
| psel | digital | in |  |
| penable | digital | in |  |
| paddr[31:0] | digital | in |  |
| pwrite | digital | in |  |
| pwdata[31:0] | digital | in |  |
| prdata[31:0] | digital | out |  |
| irq0 | digital | out |  |
| irq1 | digital | out |  |
| tick | digital | out |  |
| wdog | digital | out |  |
| dsuact | digital | in |  |
| ntrace | digital | in |  |
| freezetime | digital | in |  |
| lresp | digital | in |  |
| dresp[1:0] | digital | in |  |
| dsuen | digital | in |  |
| dsubre | digital | in |  |

|  |  |  |
| --- | --- | --- |
| **Absolute Maximum Ratings** |  | **Thermal Information** |
| Vss ........................................... -0.2V to +7.0VPower Dissipation ...................................... +1.0WStorage temperature, Tstg .............. -55.0Â°C to +150.0Â°C |  | Ambient Temperature ...................... +0.0Â°C to +50.0Â°CSupply Voltage ................................ +2.5V to +5.5V |
| **ESD Requirements1** |  |  |
|  |  |  |
| *CAUTION: Do not operate at or near the maximum ratings listed for extended periods of time. Exposure to such conditions may adversely impact product reliability and result in failures not covered by warranty.*  NOTE:  1. ESD ratings apply to external pins only. | | |  |  |

**Designers**

|  |  |  |
| --- | --- | --- |
| **Component** | **Name** | **Email** |
| timers | abc | abc@agnisys.com |