

```

echo1 : echo
generic map(
  --rtc_divid: Sampling frequency for R2U2
  --rtc_divid => 11800 -- simulation
  rtc_divid => 50000000 --25000000 update 0.5s, 50MHz clock
)
port map
(
  clk      => clk,
  reset    => reset,
  new_data => new_data_reg,
  data_in  => data_in_reg,
  TX_busy_n => TX_busy_n,
  send_data => send_data,
  data_out => data_to_send,
  soft_reset => soft_reset,
  -----
  -- User Modified
  -----
  Reg0In  => Reg0In,
  Reg1In  => Reg1In,
  -----
  LD0 => LD0,
  LD1 => LD1,
  LD2 => LD2
);

```