

```

-- Component that echos data received from the PC
-- back to the PC.
component echo
generic(
    rtc_divid : integer range 1 to 200000000 := 200000000
);
port
(
    clk      : in  STD_LOGIC;
    reset    : in  STD_LOGIC;
    new_data  : in  STD_LOGIC; -- Indicate UART has recieved a new byte
    data_in   : in  STD_LOGIC_VECTOR (7 downto 0); -- Data from the UART
    TX_busy_n : in  STD_LOGIC; -- Active low, indicates when UART is ready to transmit
    send_data : out STD_LOGIC; -- Tell UART to transmit a byte
    data_out  : out STD_LOGIC_VECTOR (7 downto 0); -- Data to send to the UART
    soft_reset : out std_logic;

    -----
    -- User Modified
    -----
    Reg0In : IN STD_LOGIC_VECTOR(31 DOWNT0 0);
    Reg1In : IN STD_LOGIC_VECTOR(31 DOWNT0 0);

    -----
    LD0 : out std_logic;
    LD1 : out std_logic;
    LD2 : out std_logic
);
end component;

```