

```
1  `timescale 1ns / 1ps
2  /*****
3   * File Name: Data_Status.v
4   * Project: UART
5   * Designer: Marc Dominic Cabote
6   * Email: marcdominic011@gmail.com
7   * Rev. Date: 5 May, 2018
8   *
9   * Purpose:Selects what data goes to the tramelBlaze
10  *
11  * Notes:   - This module has a synchronous reset input.
12  *
13  *****/
14  module Data_Status(input select,
15                    input [7:0] data, status,
16                    output reg [15:0] in_port);
17
18    always @ (*) begin
19        if (select)
20            in_port = {8'b0, status};
21        else
22            in_port = {8'b0, data};
23    end
24
25  endmodule
26
```