GINP VCC Vo (desplay contract pair)

RS R/W (veadlante) canade

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Labor (cathode) LCD module ded (wifut dle, output veg va, in other output original dout); integer count to maintain the Event on the some on the ent of the year was shown a proper sust short on the contract of data of community parameter send and c; I be set the state from garamter and date. 1: veg state i suddand I intilly mornified sug [7:0] deta [11:1]; 3 indulas comade-the welcont bound. Date RS inited begin 11 constant to spateros 11 Dout Commands date [1]. S'h O1; 11 chert displan detal 23. Shoe; Haighuy on cusor blanking data [3]. Stob; Minurement cursor from the datal43 = 81293 11 force current from legicing

Glisto rece to compet contract time timescale Ind I ps ... so I like the module ded (infut alk, output veg is, rw, output on, output vieg [7:0] dont); integer i 20; I to maintain the time on the integer i 20; I maintain count of data & command. parameter send-cmd = 0; I to set the state for commander parameter send-data : 1; I or the date. veg Sate 2 send and; 3 in itally forcommend. reg [7:0] date [11:0]; 3 vincludes command & the data wewant bosend. Command initial begin 11 command for LCD, 75.01 data [0] 6 8 L38; 1/2 lines 5x7 met na date [1]. 81201; 11 chardisplay date [2] 2 812 OE; 11 display on cusur blinking date [3]. 8L 06; Mañorement cursor form lyt data[4] 2 8128); 1/ force cursor from ligining of first line.

, 75.1 /1/9 wast to sud . vardhanto display 111 Vale for LCD 812 x6; 1111 v=) deta [5] (= 8'L 61; 11 a 2 1 8'L 72; 11 8 2 2 200 date [6] 42 data [+] L= 8'L 64; 11 dits of ABELLYahus deta [8] 22 8'h 68; 11 L data [9] = 8'L 61; 11 a 11; 13 L'8 deta [10] <= State (= some 1) 3 4'8 date [11] = always @ (posedge elk) begin (1+6 5) if (count 210) // As it was comulation on tool count 210

y it was on Bays 3 board
where clt: 100MH2

count 2 1000000

10ms//

Count = 0; Ill // Many block unt to maintain a slower clk.

und board clk frequency. end. always @ (posedge ent) legin tomain tain the Case (state)
send and: begin 700 (= 1160) dout (= 8 hoo; 0:1

if (iz 4) begin 75 (= 1160; for the first 4 commands ₹ω (= 1160; (13 418)= 100 dos dont 2 = data [i]; und its it is is a light command bytes else begin to [10] 4= 5/2 61; N a , theirums for last one & State & send dete; to change the state dont (= date (i) alisays @ Gosda (De) begin ; 175 250 it (court 410) 1/48 it was simulation forest downt y it was on says beard Count 2 count +1; Serd dete begin if (izz 11) begin 11 Here we sendall the ; 1d11 => 118mplete alway block date we want to send as our totalsize of data is 12 it's 2=11 . Il musico o de dete (i); mentals brood (E c+1; always alposedge ant legin rigal als 0 3 "Juin burn the 1/ Again we more on State = send - cmd; to sud commend 75 (= 1160; State with 7w (= 1160; end dont (= 81h00;

end undas und I to maintain the enable from the the led with our ent signal as a clk. assign en ent; und module. 1. 60 11 11 11 11 11 11