Block=UART_Receiver Sheet=1 Page=1 For =17 For <16 Adder Count Error ÄND3 CLK16P SER_IN current Status Count=17 1st condition SER IN=0 Line No 37 status=1 This will Status Out Enable **ERROR** DFF and 1 will be given since 47 and (not 53) are false SER_ CLK Line No.47 count=16 and status=1 Change Parity DFF IF 44 is true than stores Enable to 1 if Count=17 not of current SER_IN=1 value to parity Status=1 Not count>=16 SER_IN=1 StatusOUT=1 Line 53 Line No 44 AND3: Check at count=16, status=1 and (parity xor SER_IN) LINE 49 AND1=if statusOUT=1 and count<16 and status='0' (Line No 41) Parity xor SER_IN AND0 = count<16 and status=1 Added Count to DFF if AND1=1 Line No 42: when Line 41 goes true