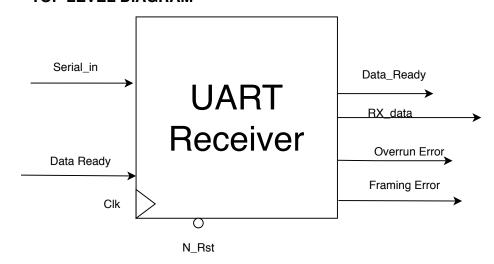


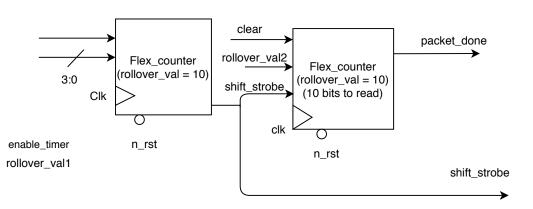
TOP LEVEL DIAGRAM



enable_timer TIMING CONTROLLER packet_enable

n_rst

Lower Level



next state logic for First flex counter

if !enable_timer: next_count_out = 7 next_shift_strobe = 0 else { if (count_out == 9) next_shift_strobe = 1 next_count_out = count_out + 1 else if(count_out == rollover_val1) next_count_out = 1 next_shift_strobe = 0 else: next_count_out = count_out1 + 1 next_shift_strobe = 0 } }

next state logic for Second Flex Counter

if clear:
next_count = 0

else if !shift_strobe:
next_count = count

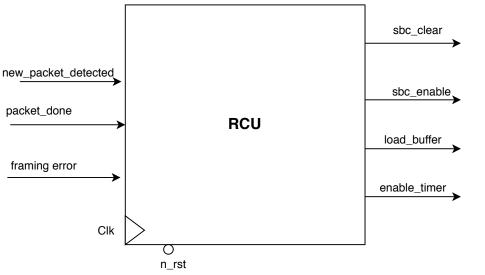
else {
 if shift_strobe == 1
 next_count = count + 1
 else
 next_count = count

output logic for second Flex Counter

if count == 10 packet_done = 1 else packet_done = 0

Receiver Control Unit (RCU)

Top Level Diagram



FSM TRANSITION DIAGRAM - {framing_error, packet_done, new_packet_detected} ______

