

Punt/Pass/Kick Competition

Controls:

Buttons:

Push Button 1 - Hit
Push Button 4 – Reset

Dip Switches:

Dip 1 - Number of players set 1
Dip 2 - Number of players set 2
Dip 3 – End of game scroll option.

Dip1	Dip 2	# of Players
Open	Open	1
Closed	Open	2
Open	Closed	3
Closed	Closed	4

Outputs:

7 Segment Displays:

These display:

1. Yards punted/passed/kicked
2. Hitting simulation
3. Ball in air simulation
4. Total yards hit so far
5. Winner of game
6. Scrolling of Players and their totals.

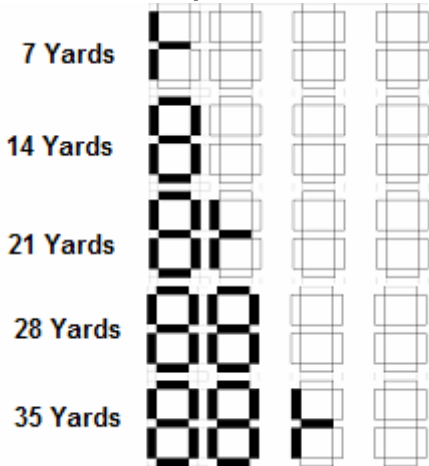
LED's:


The LED's act as a power gauge and show how much power went into a hit. (i.e. more bars light when hit result in farther distances achieved.)

Game Play (Goal is to get highest score):

1. Set the number of players form 1-4 using the first two DIP switches.
2. Hit RESET to start the game.
3. The 7 segment displays will show current yards, which will be 0. The LED's will be sequentially lighting up until all are lit then they will start over. You must hit the HIT button to try and get the most yards.
4. After HIT button is hit the LED'S will freeze showing where you stopped them.
The 7 segment displays will start to light up sequentially and partially from the left to the right simulating the ball being thrown. For example the pictures on the next page show the light up sequence for a 35 yard hit which is 5/8 of the total maximum hit.

A 35 Yard hit sequence shown below:



5. Next 2, s will be shown to simulate ball hanging in air.
6. The Distance in yards is displayed for 2 seconds.
7. The total distance thus far is displayed (your punt+pass+.... Depending on what stage you are at.)
8. After punting the ball the LED's start to go again but at a faster rate. Now you hit the ball again and this process repeats 3 times for punting, passing, and kicking, each time the LED's going faster and faster.
9. Now the LED's slow down again and the next player goes.
10. Repeat above steps for all players.
11. At the end the game will compare all of the added up totals and determine who won the game. It will display the number of the player that won on the 7 segment display. If there is a tie the latter player will default win.
12. Once the game is over if you are interested in seeing the scores again you can hit the third DIP switch which will then show on the leftmost 7 segment display the player number. Then on the next three 7 segment displays the total score they achieved. It will continue to keep scrolling through all of the players.
13. When you want to play again simply hit RESET and have some more fun!