

# LED HALF ADDER [STUDENT]

## Wires Needed

6 Small (green): power/ground

4 Medium (orange): inputs

1 Medium (yellow) + 1 Long (purple): outputs

## Orientation (Where to connect 5V pin)

PCB: 9F

XOR: 16F

AND: 27F

## Power Wiring Directions

| Wire             | Connection | Start | End | Done                     |
|------------------|------------|-------|-----|--------------------------|
| VCC <sub>1</sub> |            | 9J    | 9+  | <input type="checkbox"/> |
| VCC <sub>2</sub> |            | 16J   | 16+ | <input type="checkbox"/> |
| VCC <sub>3</sub> |            | 27J   | 27+ | <input type="checkbox"/> |
| GND <sub>1</sub> |            | 4-    | 4A  | <input type="checkbox"/> |
| GND <sub>2</sub> |            | 22-   | 22A | <input type="checkbox"/> |
| GND <sub>3</sub> |            | 33-   | 33A | <input type="checkbox"/> |

