



LED Forward Voltage : 1.2V  
 LED Forward Current : 20mA  
 Resistor value required (Approx.):  $5 - 1.2 / 20 = 187\text{ohm}$   
 Total current consumption:  $20\text{mA} * 12 = 240\text{mA}$

|           |               |            |      |             |            |
|-----------|---------------|------------|------|-------------|------------|
| Schematic | Line_Follower |            |      | Update Date | 2025-03-21 |
| Page      | Sensor        |            |      | Create Date | 2025-03-21 |
| Drawn     | EasyEDA       | LineFollow |      |             |            |
| Reviewed  | EasyEDA       |            |      |             |            |
|           |               |            |      |             |            |
|           |               | VER        | SIZE | PAGE        | 1 OF 3     |
| EasyEDA   |               | V0.1       | A4   | EasyEDA.com |            |



