```
                    ┌───────────┐
                    │   Start   │
                    └─────┬─────┘
                          │
                          ▼
                  ┌───────────────┐
                  │ Power Supply On│
                  └───────┬───────┘
                          │
                          ▼
                      ◇─────────◇
           4&5 no. pin up              No
                      ◇─────────◇──────────┐
                          │                │
                         yes               │
                          ▼                ▼
                    ┌──────────┐     ┌──────────┐
                    │ LED ON   │     │ LED OFF  │
                    └────┬─────┘     └────┬─────┘
                         │                │
                         ▼                │
                    ┌──────────┐          │
                    │   End    │◄─────────┘
                    └──────────┘
```

Start

Power Supply On

4&5 no. pin up

No

yes

LED ON

LED OFF

End

Fig:-Algorithm for LED