```cpp
// Diode Signal Detector on ESP32

const int signalPin = 25; // Pin connected after the diode

void setup() {

Serial.begin(115200);

pinMode(signalPin, INPUT);

}

void loop() {

int signalState = digitalRead(signalPin);

if (signalState == HIGH) {

Serial.println("High voltage detected!");

} else {

Serial.println("No high voltage detected (safe).

");

}

delay(500);

20}
```