

Clemens Valens

maîtrisez les microcontrôleurs à l'aide d'Arduino

```
uint8_t temperature; // Temperature in degrees Celsius\n// Restart without sending a signal condition.\nWire.endTransmission(false);\nWire.requestFrom(MLX90614_ADDR, 2, 0);\nif (Wire.available()) { temperature = Wire.read(); }\nif (Wire.available()) { temperature = Wire.read(); }\nif (Wire.available()) { temperature = Wire.read(); }\nWire.endTransmission(true);\n\nrc = 0;\nMLX90614_crc.update(MLX90614_READ_TEMPERATURE);\nMLX90614_crc.update(MLX90614_READ_TEMPERATURE);\nMLX90614_crc.update(MLX90614_READ_TEMPERATURE);\nMLX90614_crc.update(MLX90614_READ_TEMPERATURE);\nMLX90614_crc.update(MLX90614_READ_TEMPERATURE);\nMLX90614_crc.update(MLX90614_READ_TEMPERATURE);\nMLX90614_crc.update(MLX90614_READ_TEMPERATURE);\nMLX90614_crc.update(MLX90614_READ_TEMPERATURE);\nMLX90614_crc.update(MLX90614_READ_TEMPERATURE);\nMLX90614_crc.update(MLX90614_READ_TEMPERATURE);\nif (pcrc == crc) { temperature = (temperature <> 0x7f) << 8 + 15b;\nreturn temperature;\n}\n\nvoid setup()\n{\n  Serial.begin(9600);\n  pinMode(LED_BUILTIN, OUTPUT);\n  digitalWrite(LED_BUILTIN, LOW);\n  pinMode(MLX90614_ADDR, INPUT);\n  Wire.begin(MLX90614_ADDR);\n}\n\nvoid loop(void)\n{\n  delay(100);\n\n  float t = MLX90614_read();\n  t = t * 0.02 - 273.15;\n  Serial.println(t);\n\n  if (t > TEMPERATURE_MAX)\n  {\n    Serial.println("Temperature too high!");\n    digitalWrite(LED_BUILTIN, HIGH);\n    delay(1000);\n    digitalWrite(LED_BUILTIN, LOW);\n    delay(3000);\n  }\n}
```



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