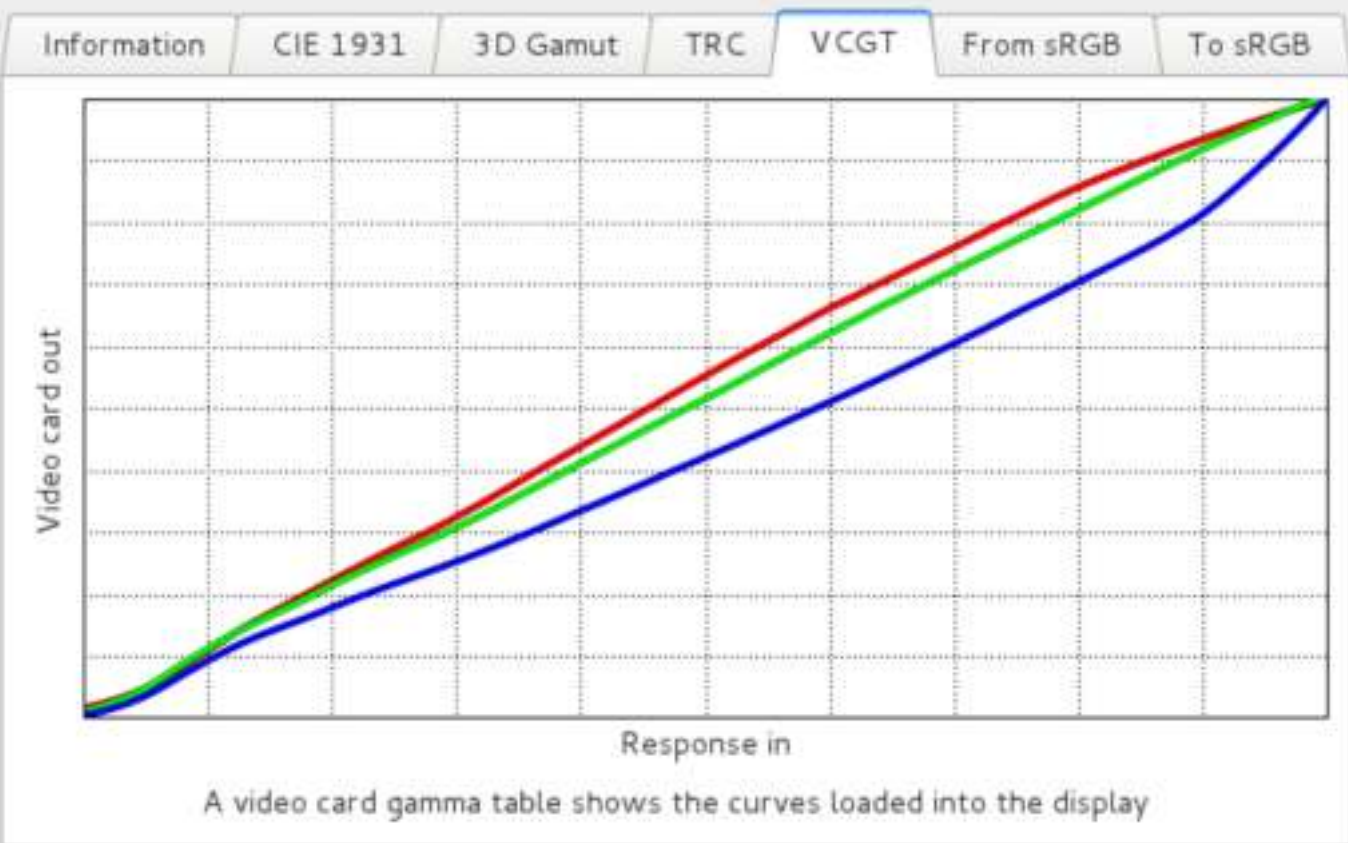


### Color Profile Viewer

- FP222W H
- Gray CIE\*L
- Gray XYZ
- Huey, Goldstar Company Ltd - L225W - 22" (2010-02-05)
- Huey, Hewlett Packard - HP LP2480zx - 24" (2010-08-11)
- Huey, LENOVO - 4384BR2 - 16" (2011-01-31)
- Huey, LENOVO - 4384BR2 - 16" (2011-02-13)**
- Huey, LENOVO - 6464Y1H - 15" (2009-12-23)







## Re: PIC source code



Sent: 11 Apr 2012 16:25

From: **laric**

To: Ki hughsient

**“ hughsient wrote:**

Hey,

Could you please email me the PIC source code. My email address is [hughsient@gmail.com](mailto:hughsient@gmail.com) -- Thanks

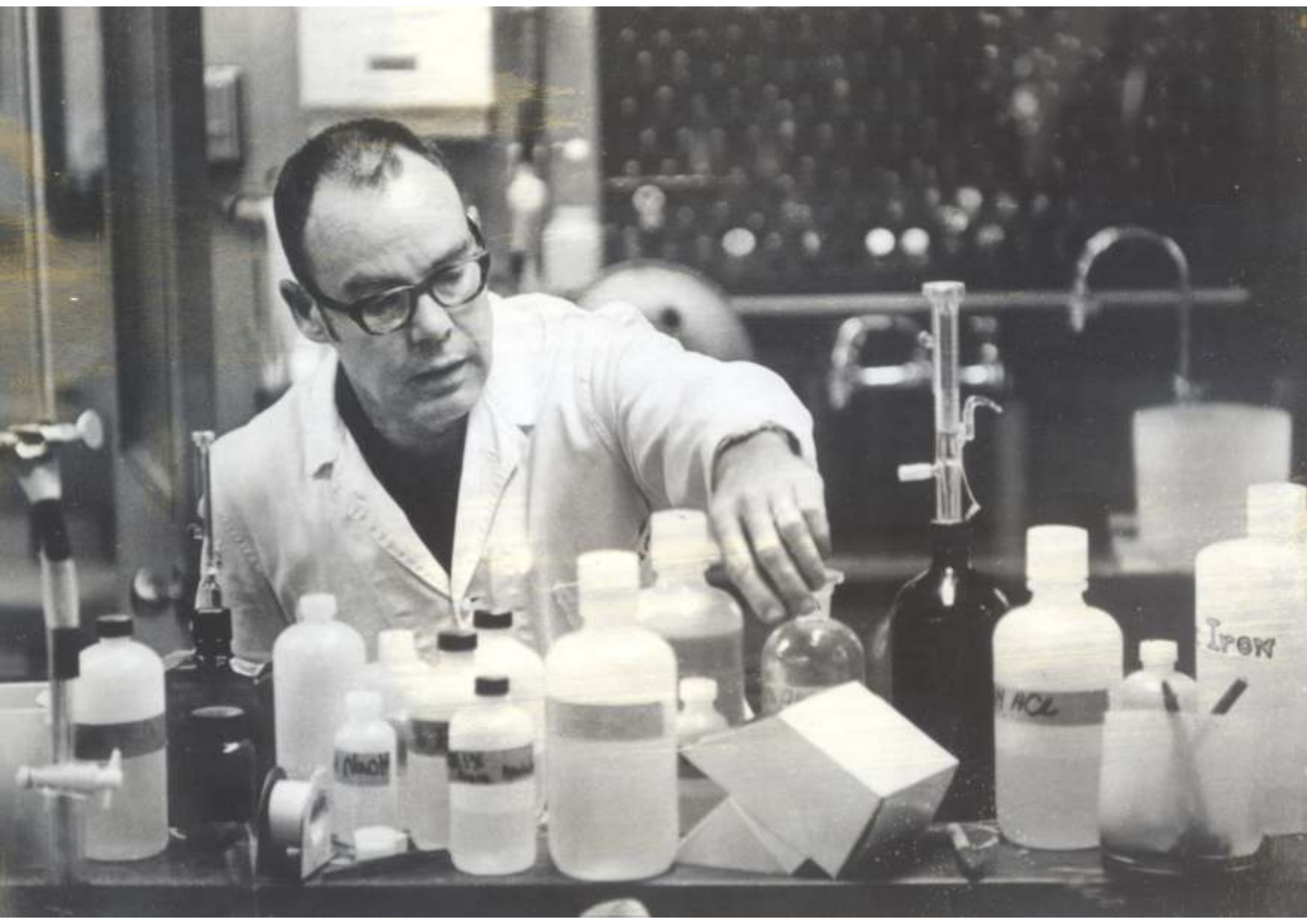
Richard.

Hello,

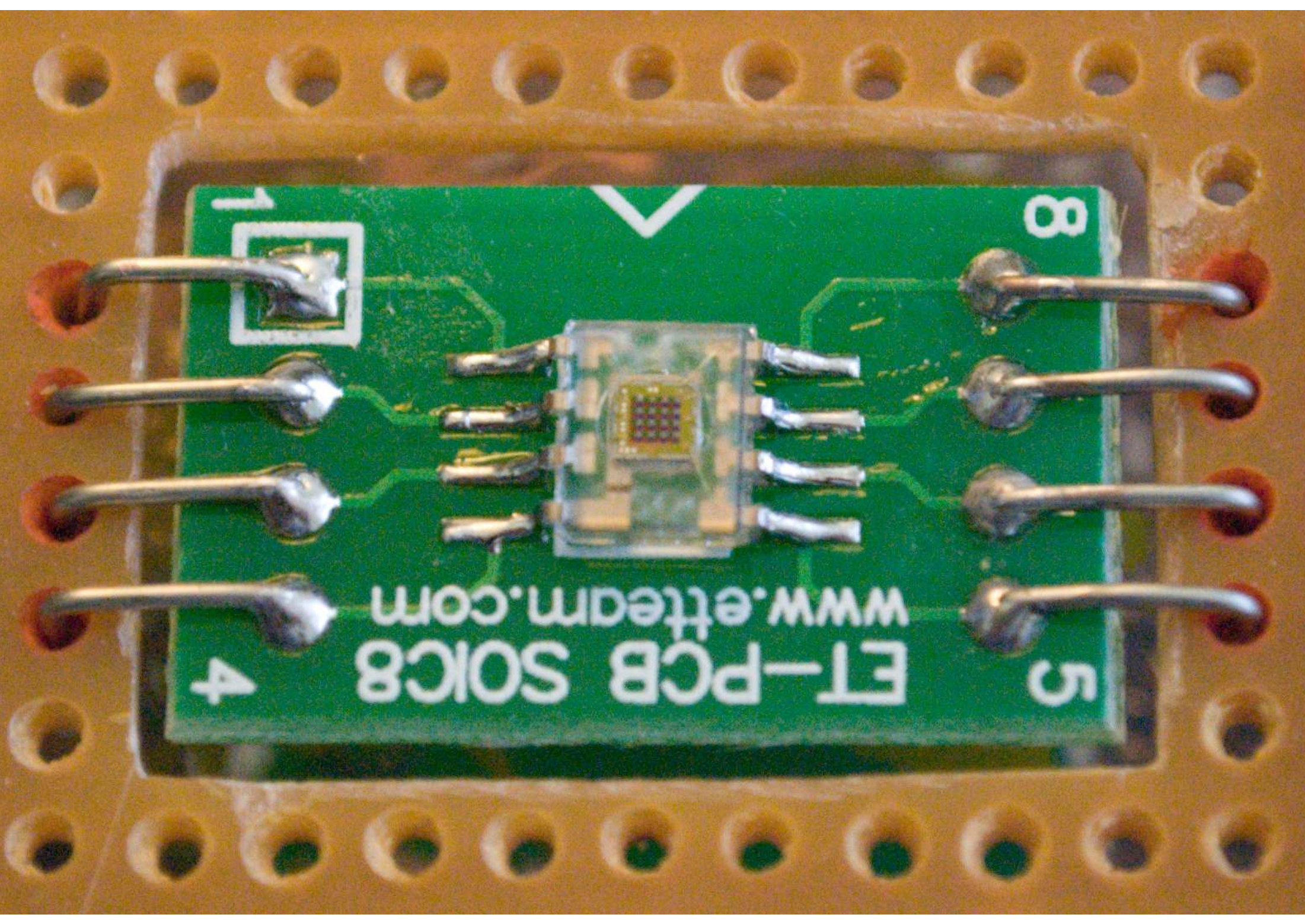
Unfortunately, the PIC source code is not available under GPL...

Cheers,

--Patrice







ET-PCB SOIC8  
www.etteam.com

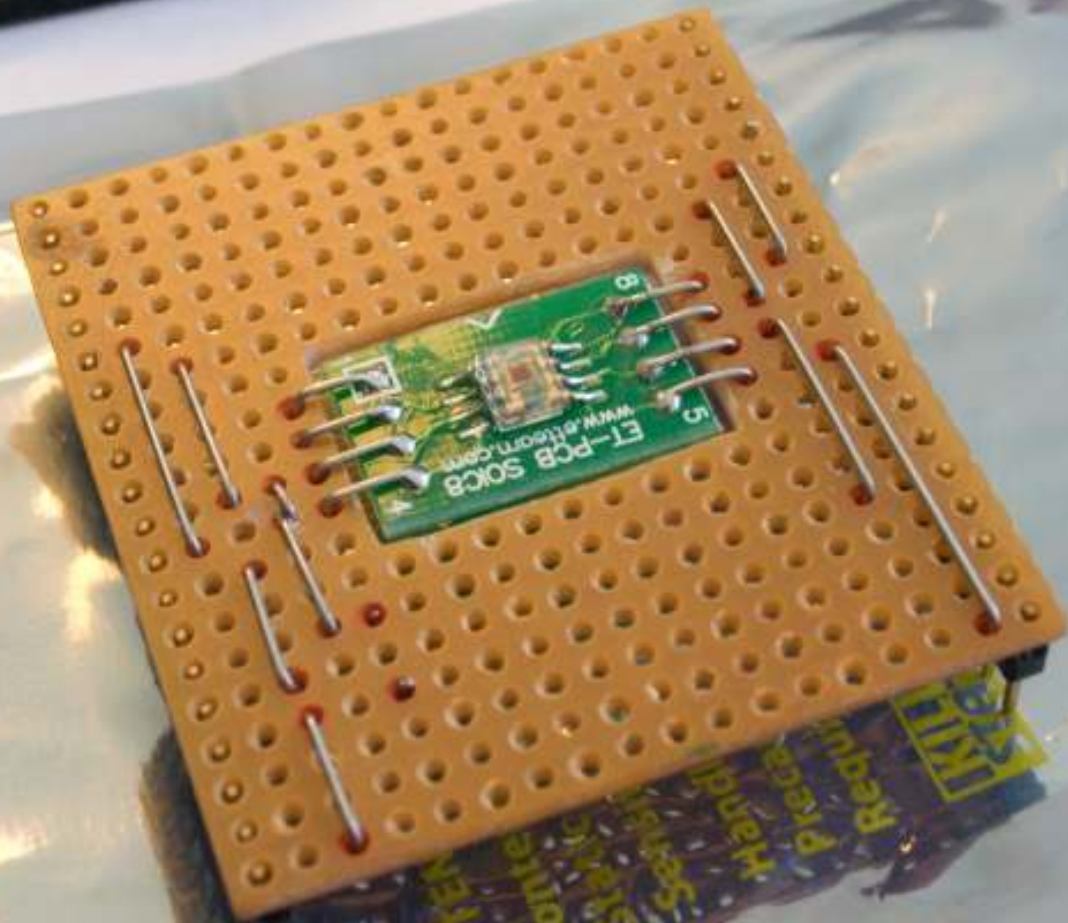
4

5

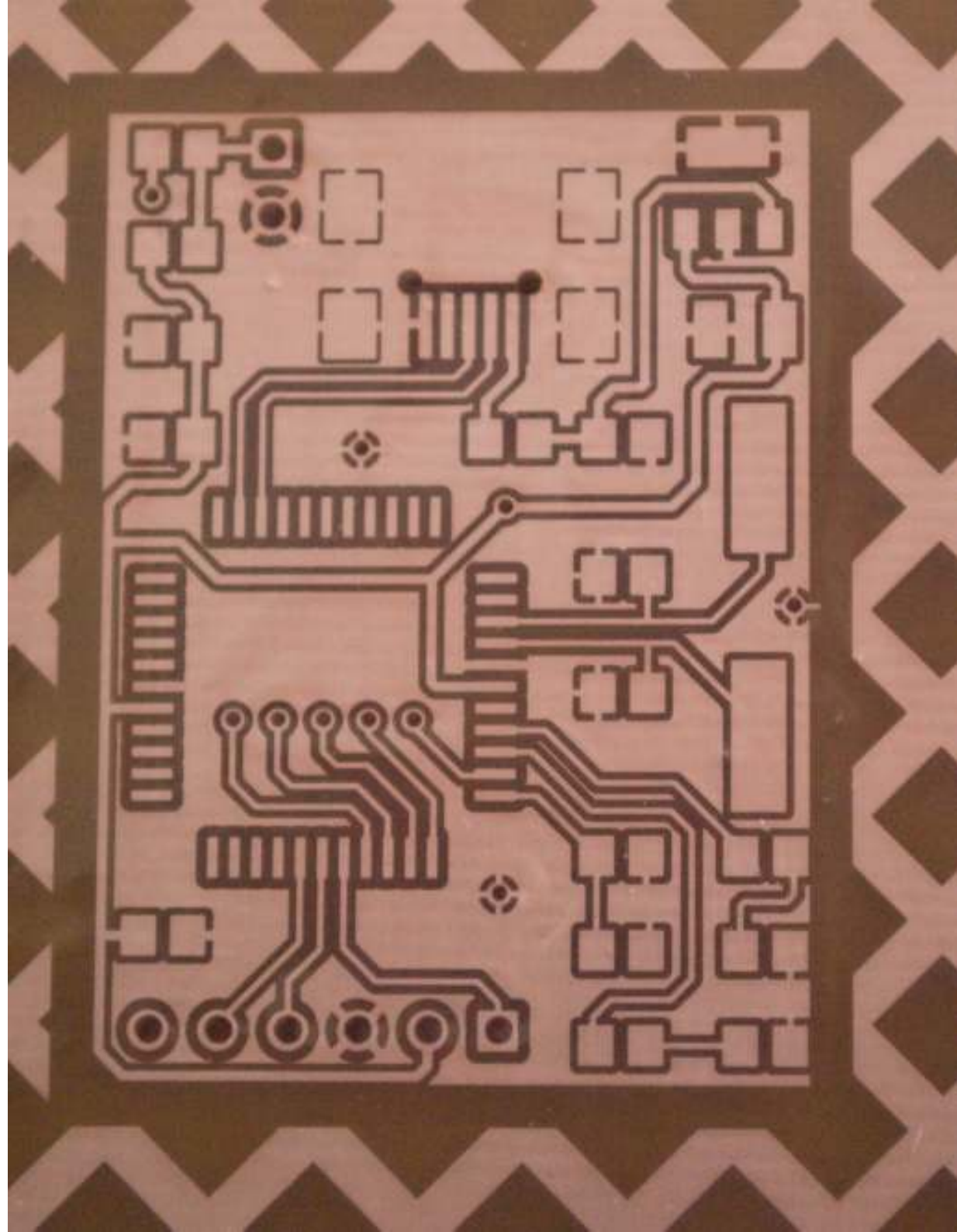
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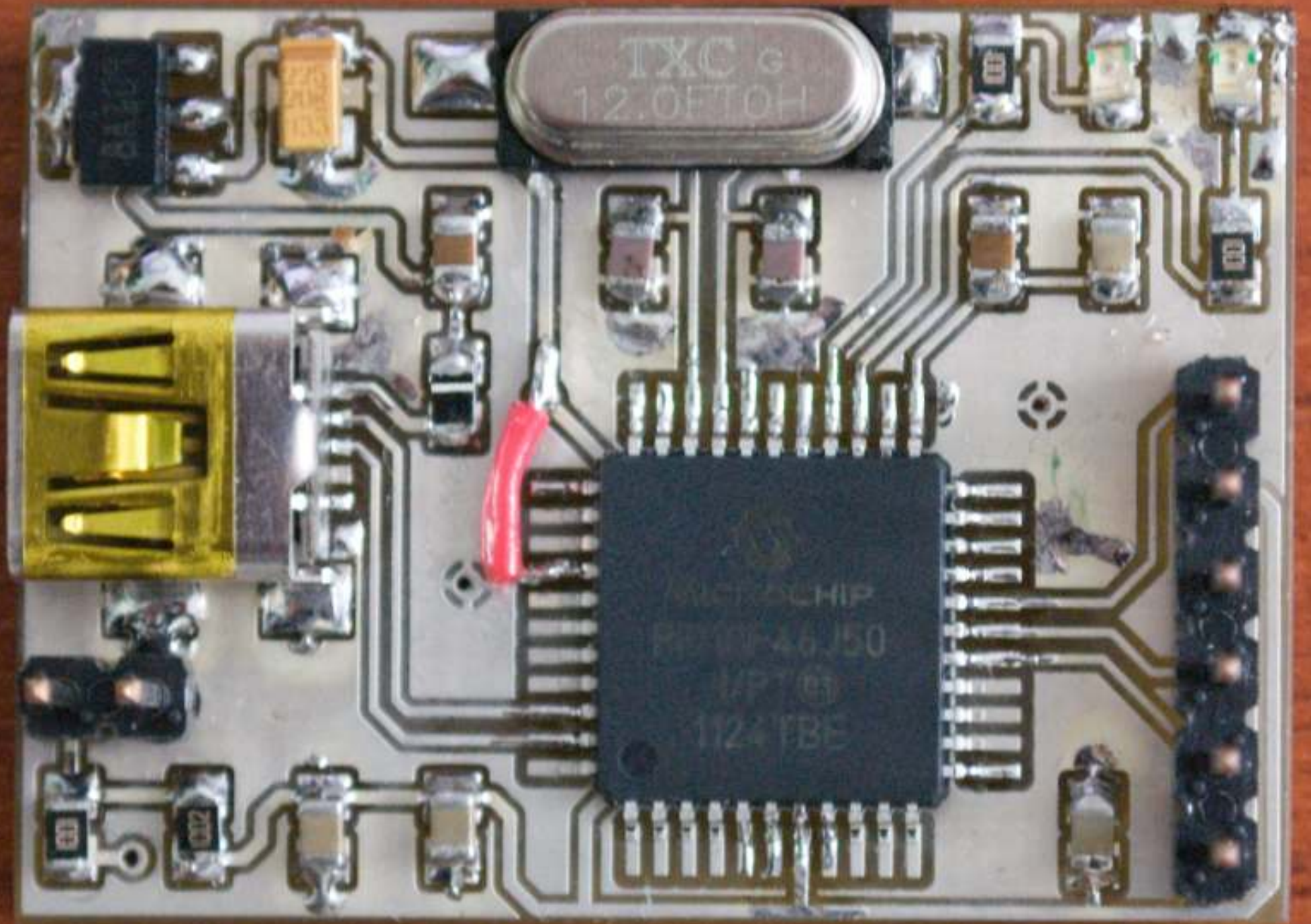
1

MX-10



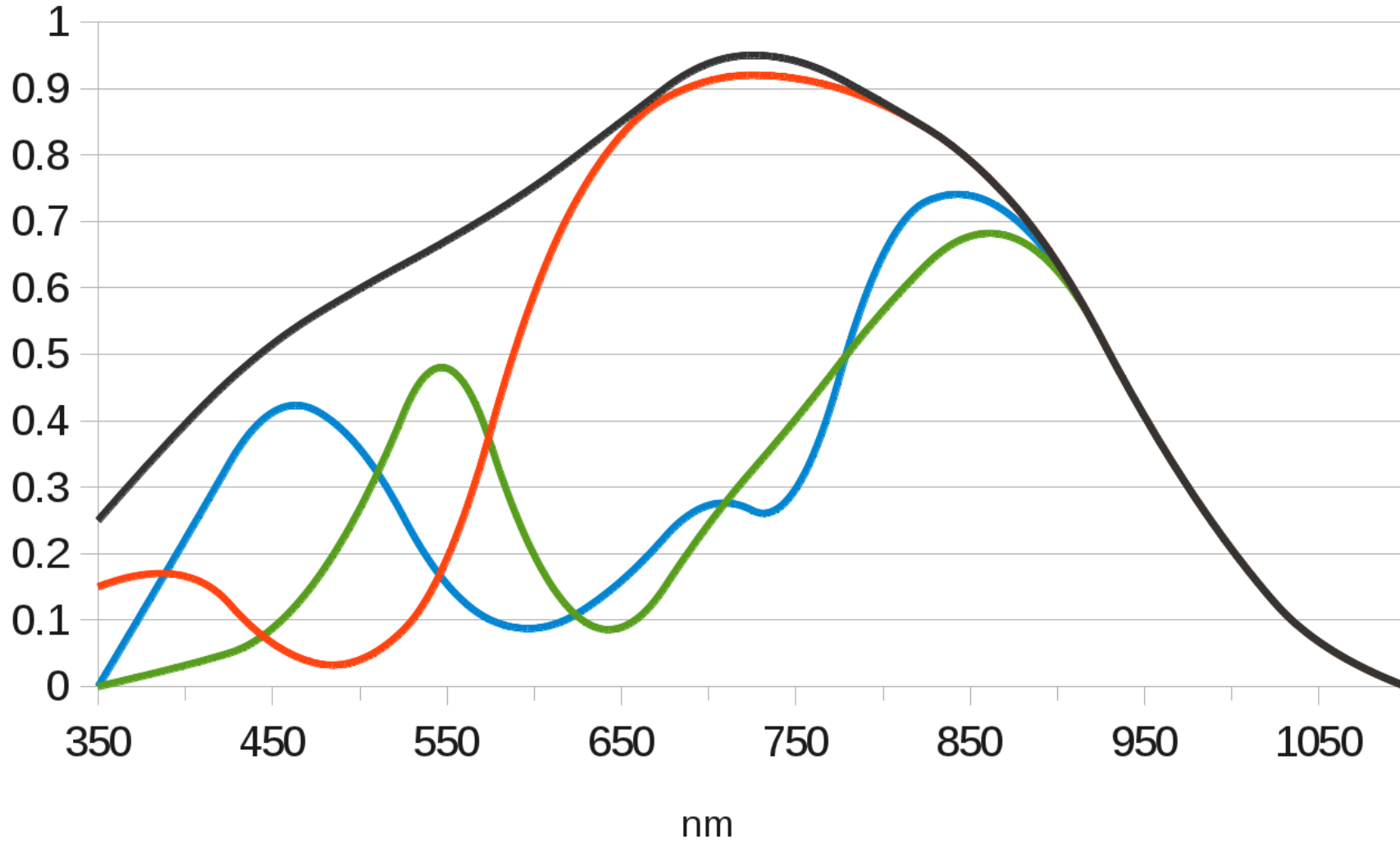
KIT  
Require  
Handle  
Static  
Control



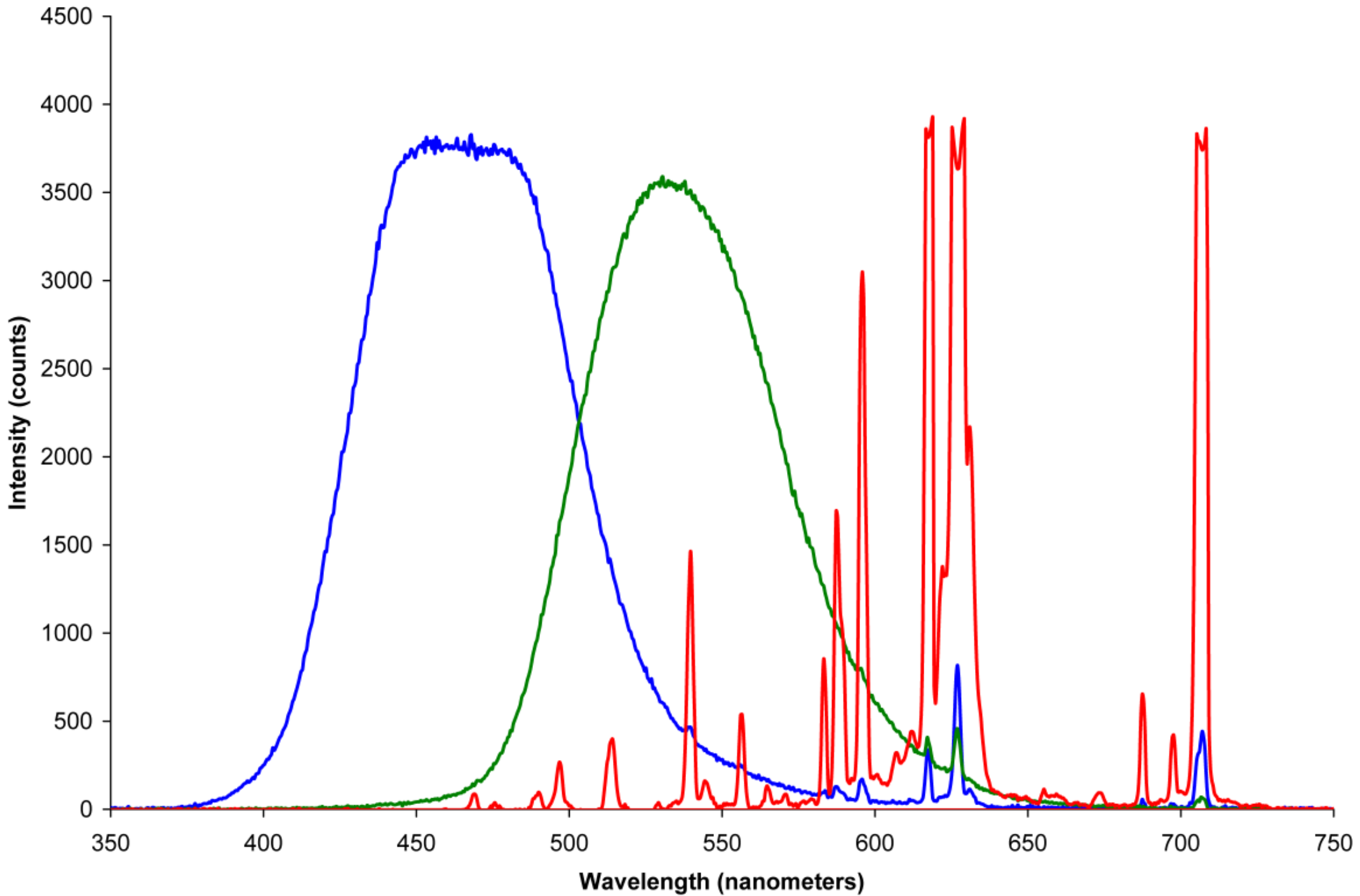


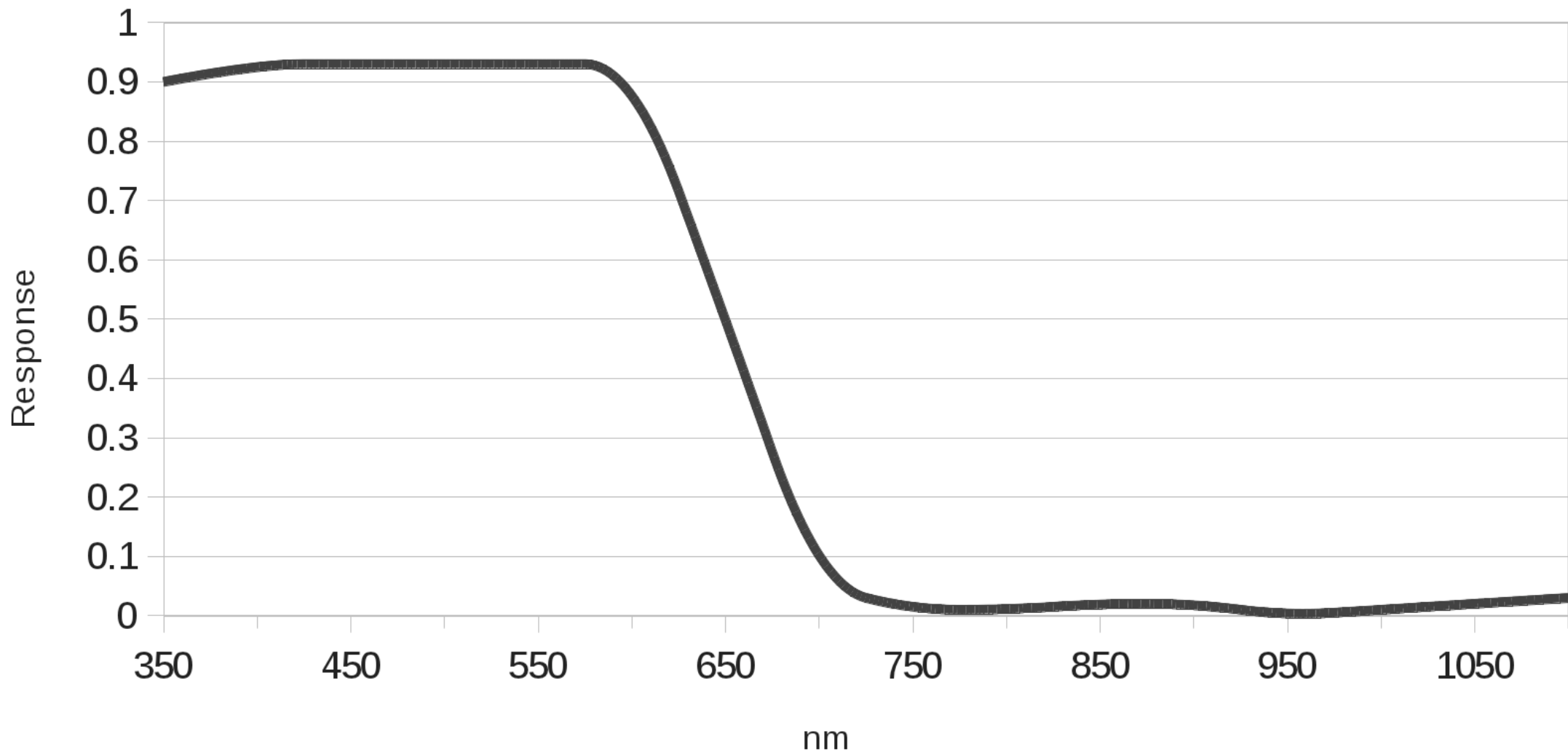


Response, normalised to Clear @ 715nm

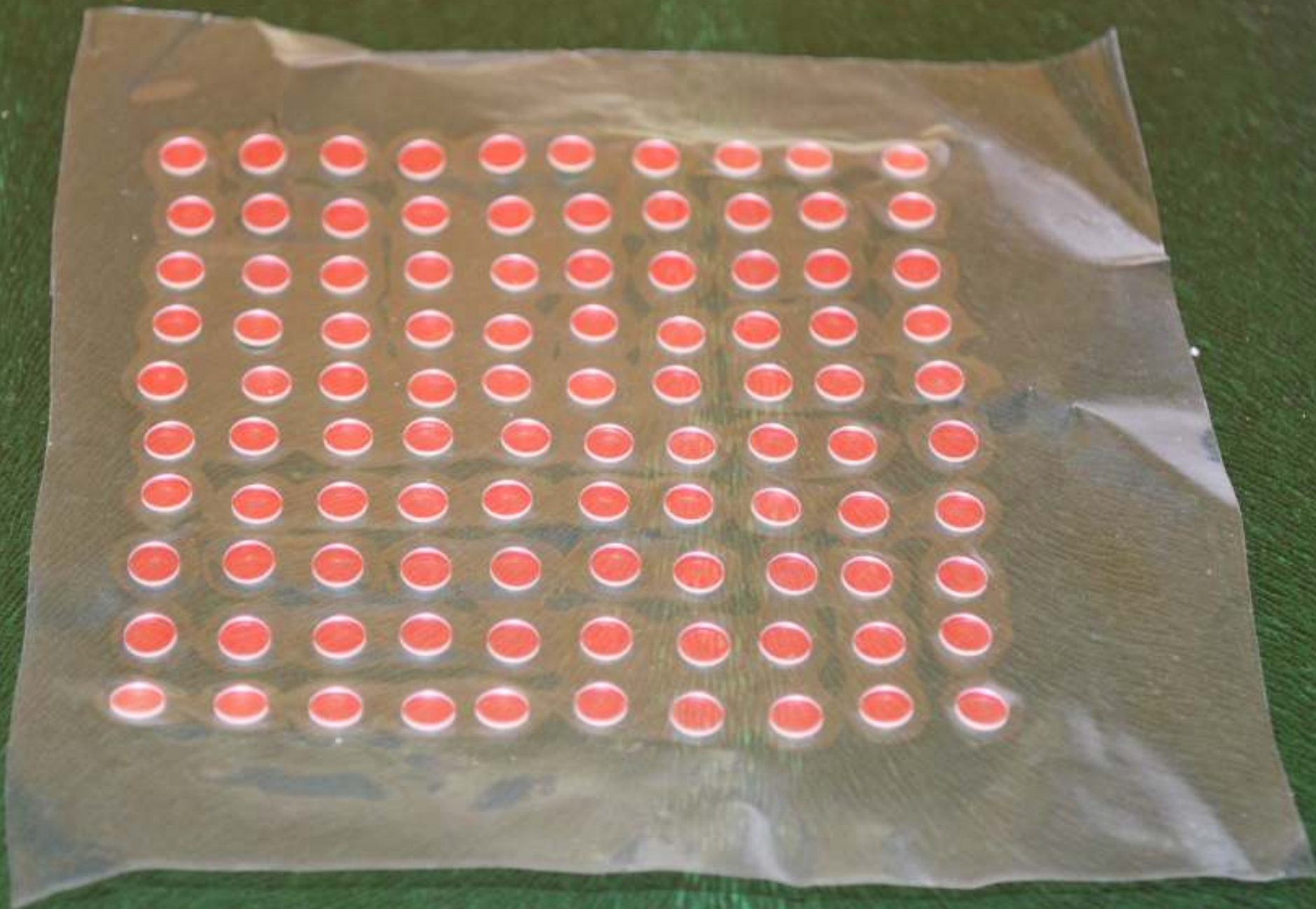


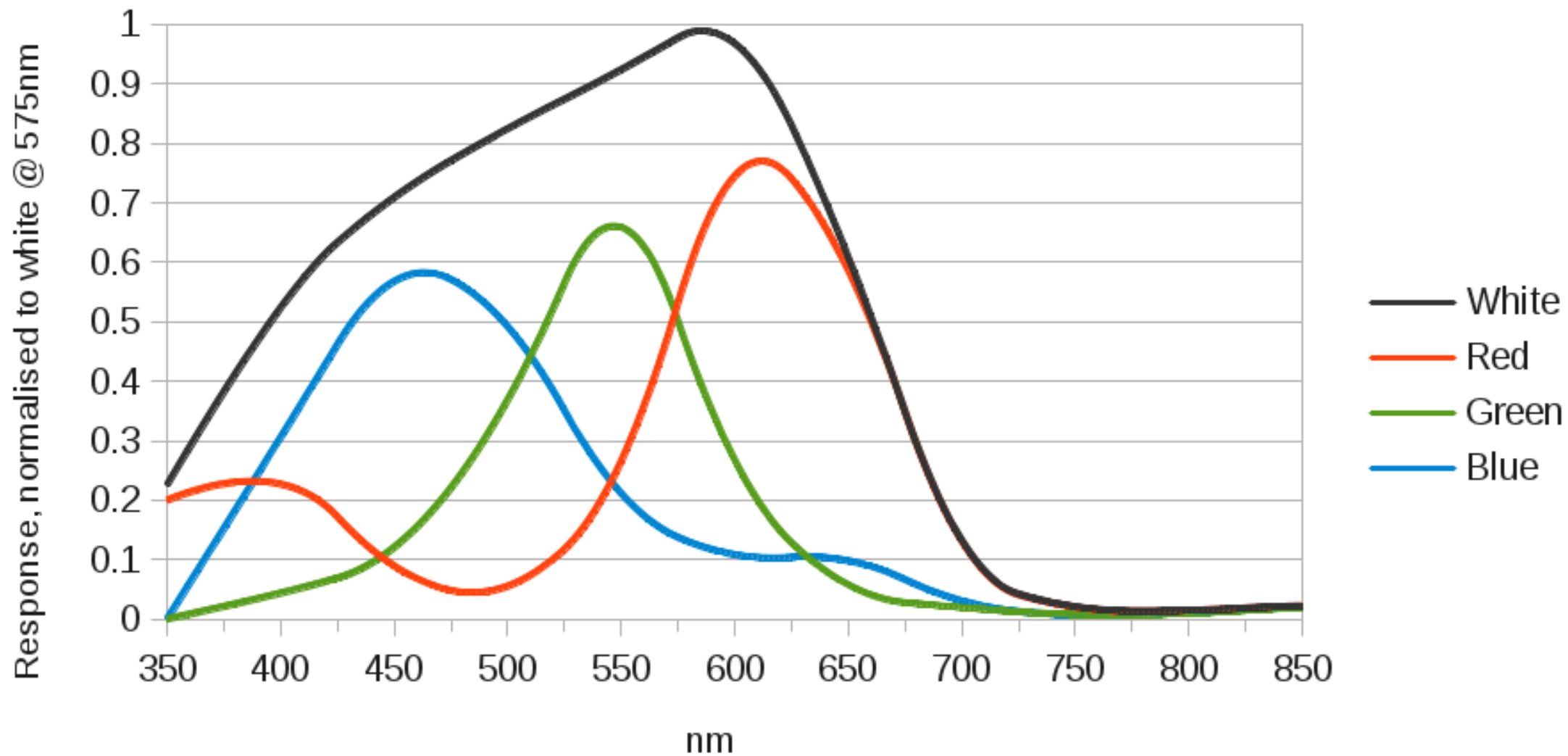
- White
- Red
- Green
- Blue

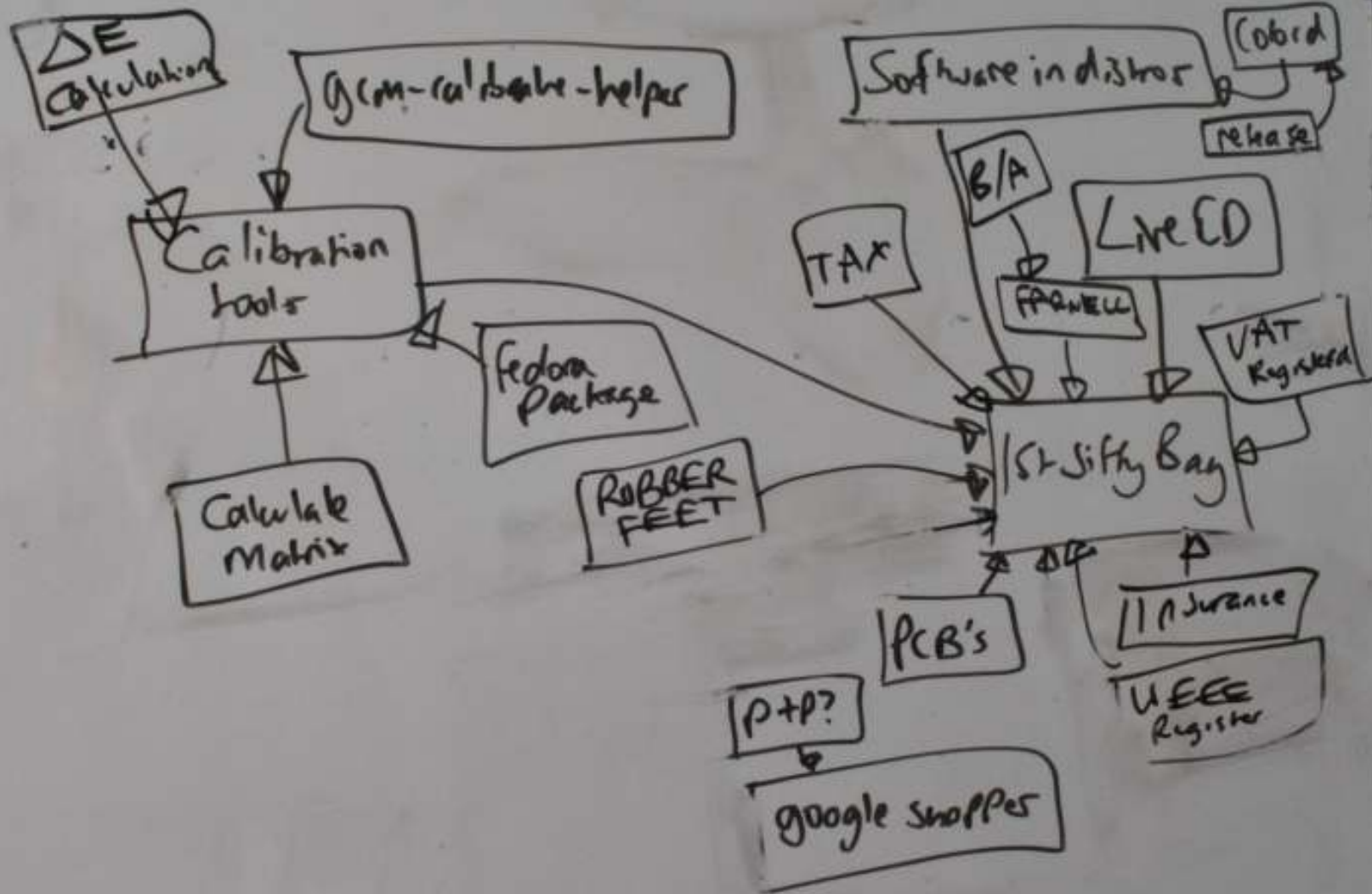








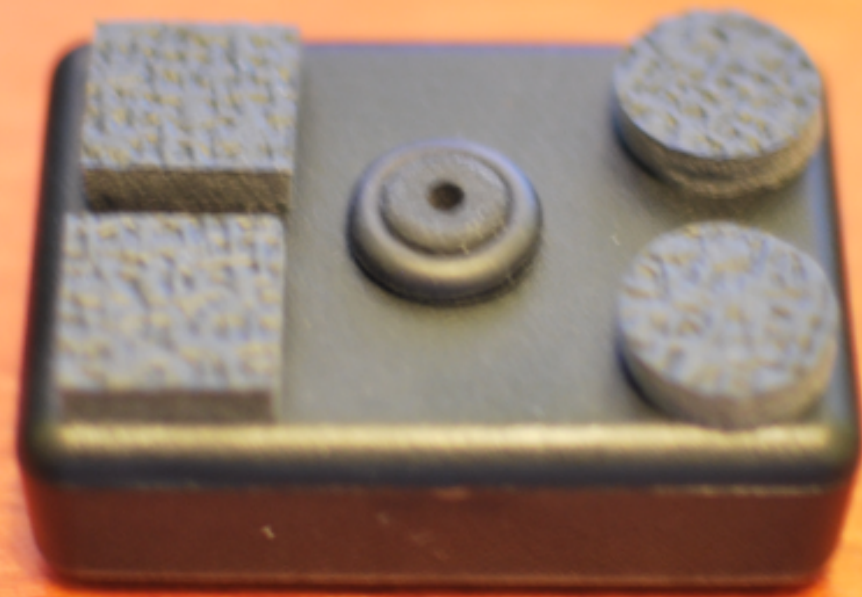






**CERTIFICATE OF INCORPORATION  
OF A  
PRIVATE LIMITED COMPANY**

**Company Number. 7836774**



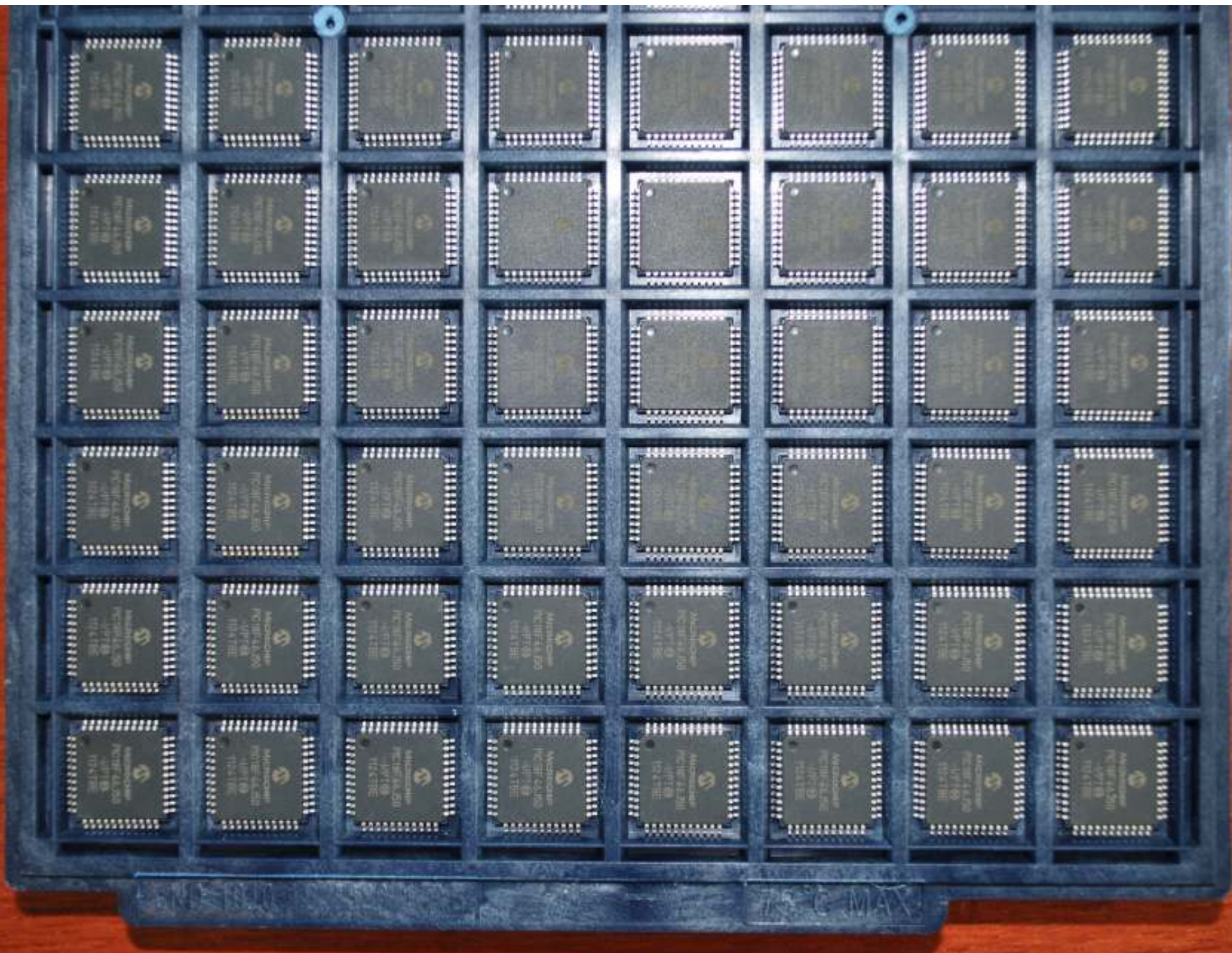












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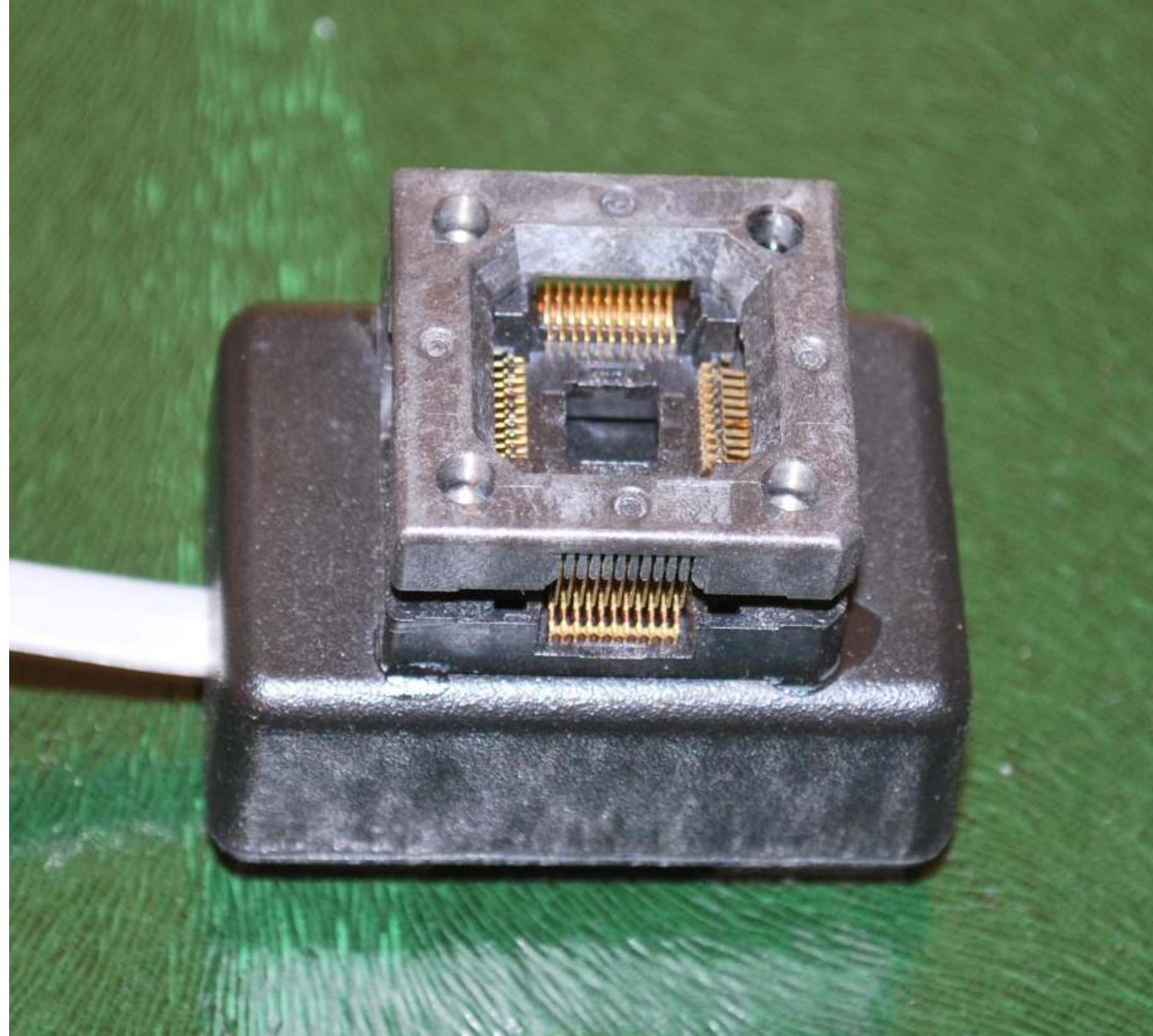
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Microtec  
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07T8 04A78E

12C

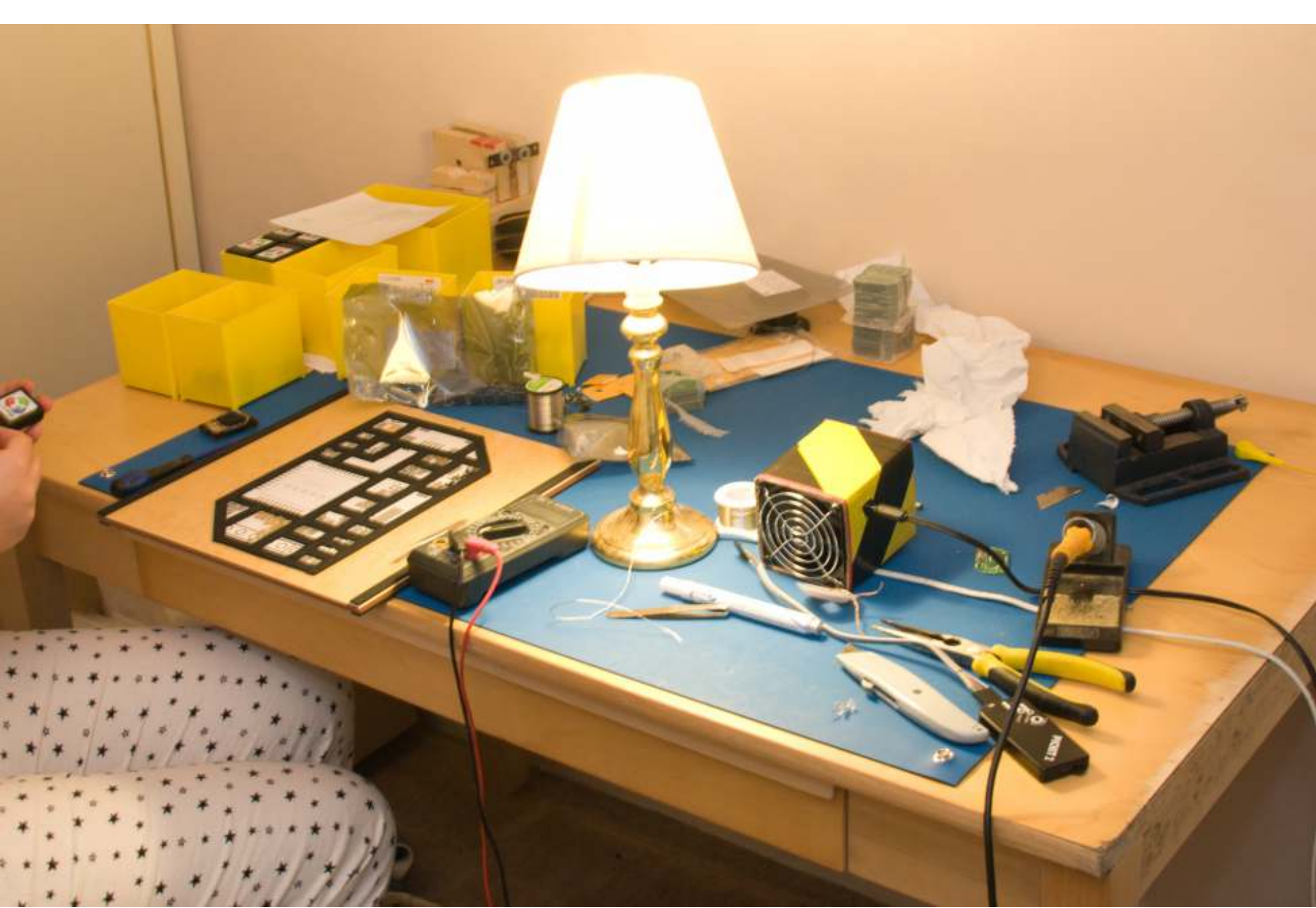
MAX









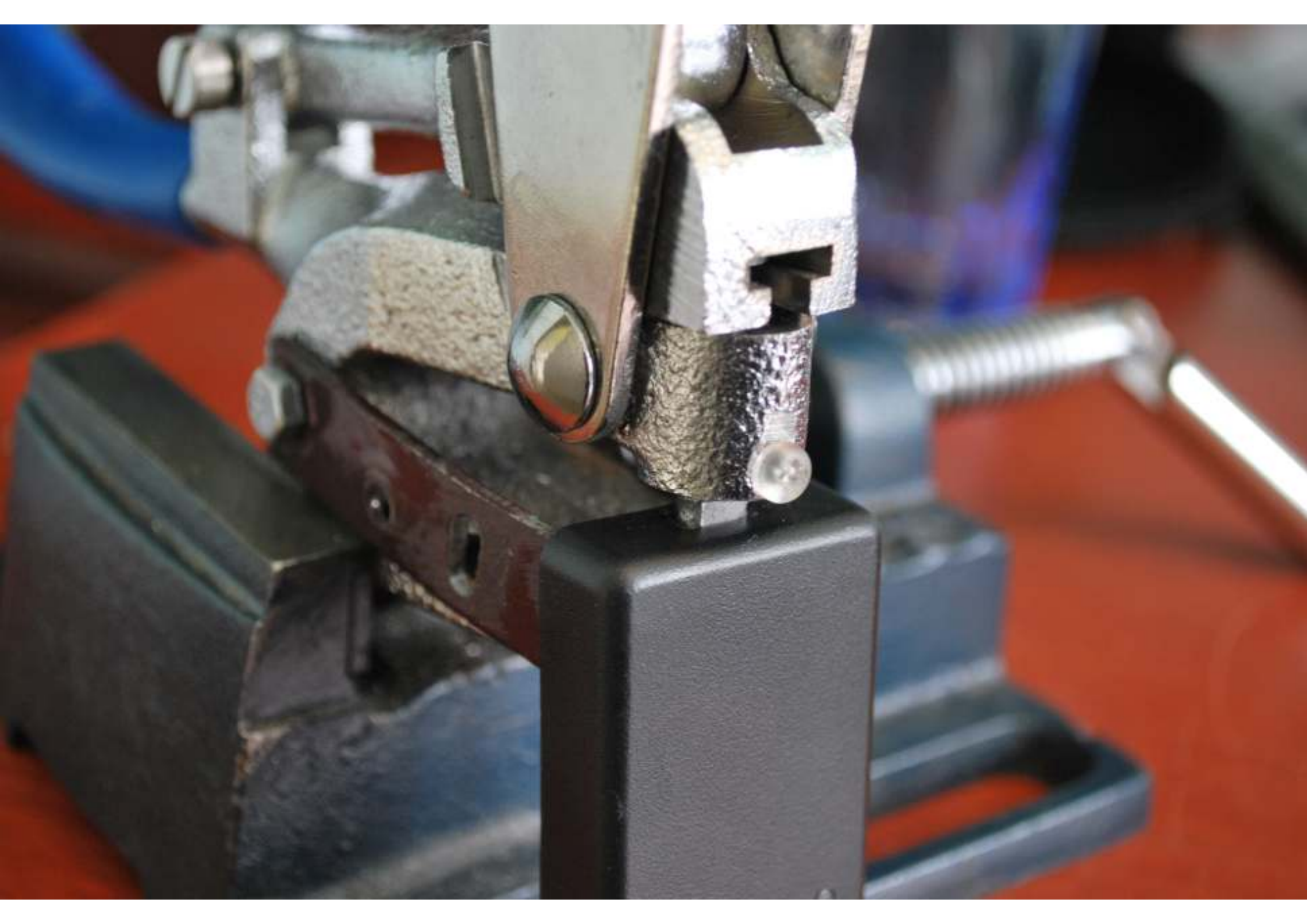


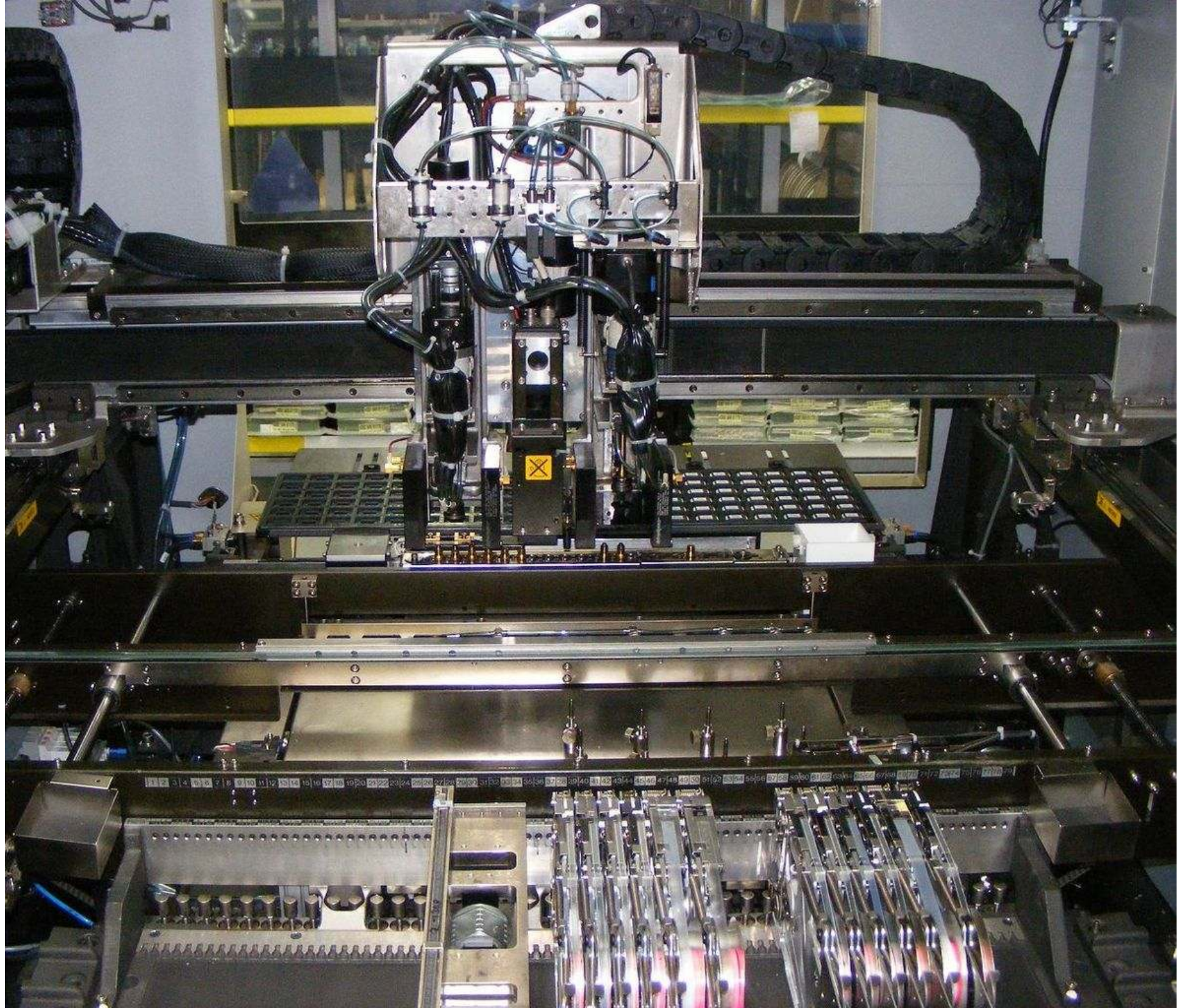


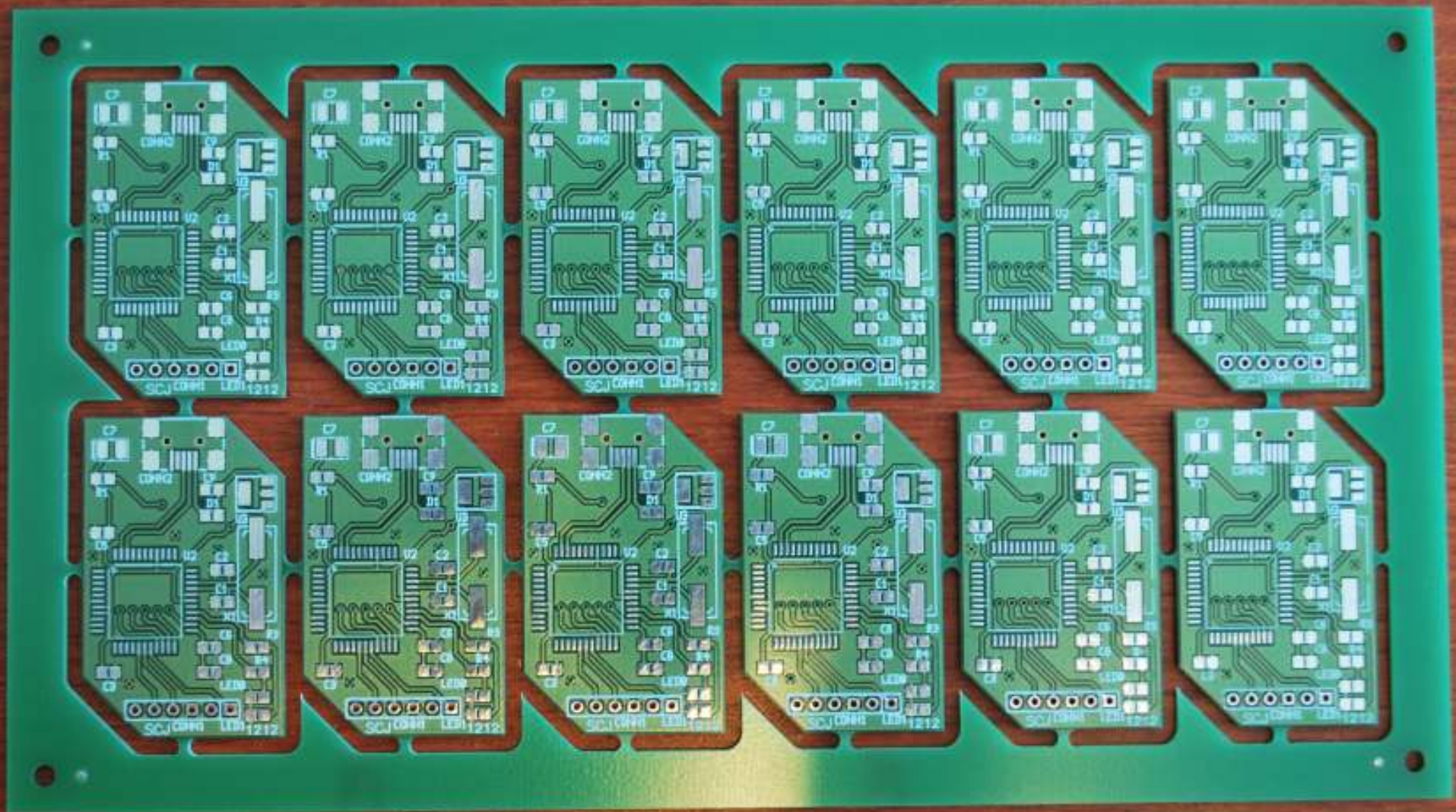




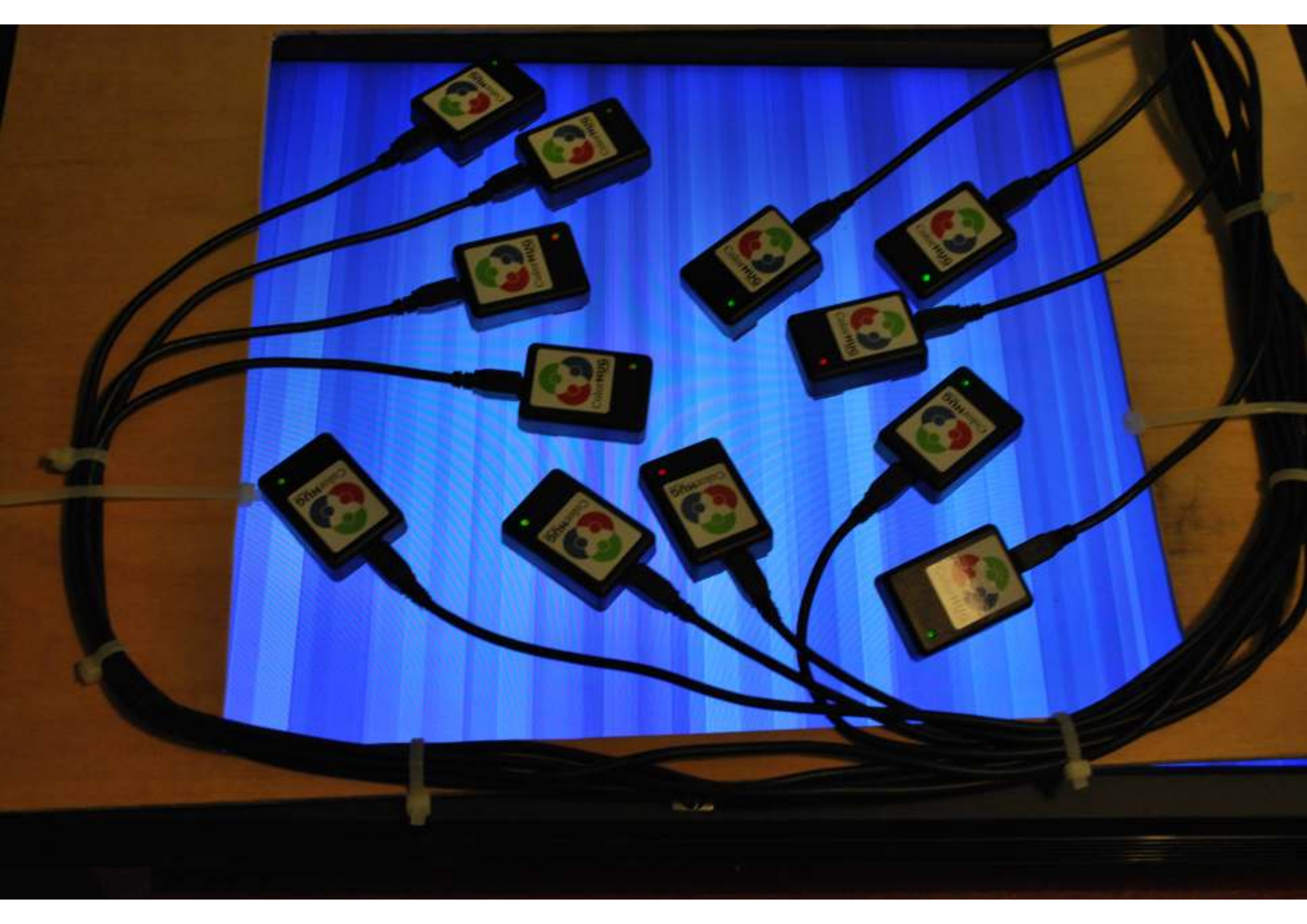












hughsie@hughsie-t510:~

```
[hughsie@hughsie-t510 ~]$ /usr/libexec/colorhug --help
```

Usage:

colorhug [OPTION...]

boot-flash	Boots from the bootloader into the firmware
clear-calibration	Clear the sensor calibration matrix
eeprom-erase	Erase EEPROM at a specified address
eeprom-read	Read EEPROM at a specified address
eeprom-write	Write EEPROM at a specified address
flash-firmware	Flash firmware into the processor
get-calibration	Gets the sensor calibration matrix
get-calibration-map	Gets the sensor calibration map
get-color-select	Gets the sensor color filter
get-dark-offsets	Gets the dark offset values
get-firmware-version	Gets the sensor firmware version
get-hardware-version	Gets the hardware version
get-integral-time	Gets the sensor sample read time
get-leds	Gets the LED values
get-multiplier	Gets the sensor multiplier
get-owner-email	Gets the owner's email address
get-owner-name	Gets the owner's name
get-post-scale	Gets the post scale constant
get-pre-scale	Gets the pre scale constant
get-serial-number	Gets the sensor serial number
list-calibration	List the sensor calibration matrices
reset	Reset the processor back to the bootloader
set-calibration	Sets the sensor calibration matrix
set-calibration-ccmx	Sets the sensor calibration matrix from a CCMX file
set-calibration-map	Sets the sensor calibration map
set-color-select	Sets the sensor color filter
set-dark-offsets	Sets the dark offset values
set-flash-success	Sets the flash success
set-integral-time	Sets the sensor sample read time
set-leds	Sets the LEDs
set-multiplier	Sets the sensor multiplier
set-owner-email	Sets the owner's email address
set-owner-name	Sets the owner's name
set-post-scale	Sets the post scale constant
set-pre-scale	Sets the pre scale constant
set-serial-number	Sets the sensor serial number
take-reading-raw	Takes a reading
take-readings	Takes all color readings (to device RGB)
take-readings-xyz	Takes all color readings (to XYZ)
write-eeprom	Writes the EEPROM with updated values

Help Options:

-h, --help Show help options

Application Options:

-v, --verbose Show extra debugging information

```
[hughsie@hughsie-t510 ~]$ █
```



```
hughsie@hughsie-t510:~  
File Edit View Search Terminal Help  
[hughsie@hughsie-t510 ~]$ /usr/libexec/colorhug take-readings-xyz 0  
Multiplier: 100%  
Integral: 0xffff  
X:123.20212 Y:115.30688 Z:136.00795  
[hughsie@hughsie-t510 ~]$ █
```

# ColorHug Utility

## Device State

LEDs:  Green  Red

Color select: Blue

Multiplier: 100%

Sample read time: Maximum

Firmware version: 1.1.2

Serial number: i

Dark offset: 0.0000 0.0000 0.0000

1.4789 0.1176 0.6536

Calibration: 0.6090 2.4377 -0.5198

-0.5561 -1.5884 4.7589

Pre scale: 5.0000

Post scale: 3000.0000

Sample mode:  Raw  
 With calibration matrix

Last sample: 0.0021 0.0048 0.0087

Sample duration: 1368.11ms



Red  
Green  
Blue

Write EEPROM

Measure Sample

Measure Dark

Calibrate

Reset Processor

Flash Firmware

Refresh

Close

## ColorHug Firmware Updater




Please connect your ColorHug

Close

## ColorHug Firmware Updater



ColorHug Detected  
Firmware version 0.0.4

 Checking for updates...

Close

## ColorHug Firmware Updater



ColorHug Detected  
Firmware version 0.0.4

A firmware update is available.

[See details about the update](#)

Close

Update!

## ColorHug Firmware Updater



**Do not unplug the device and  
do not turn off the computer.**

Downloading update...



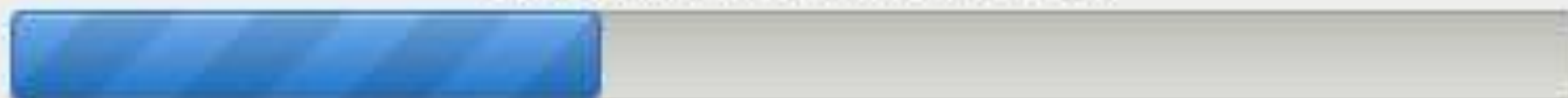
Close

## ColorHug Firmware Updater

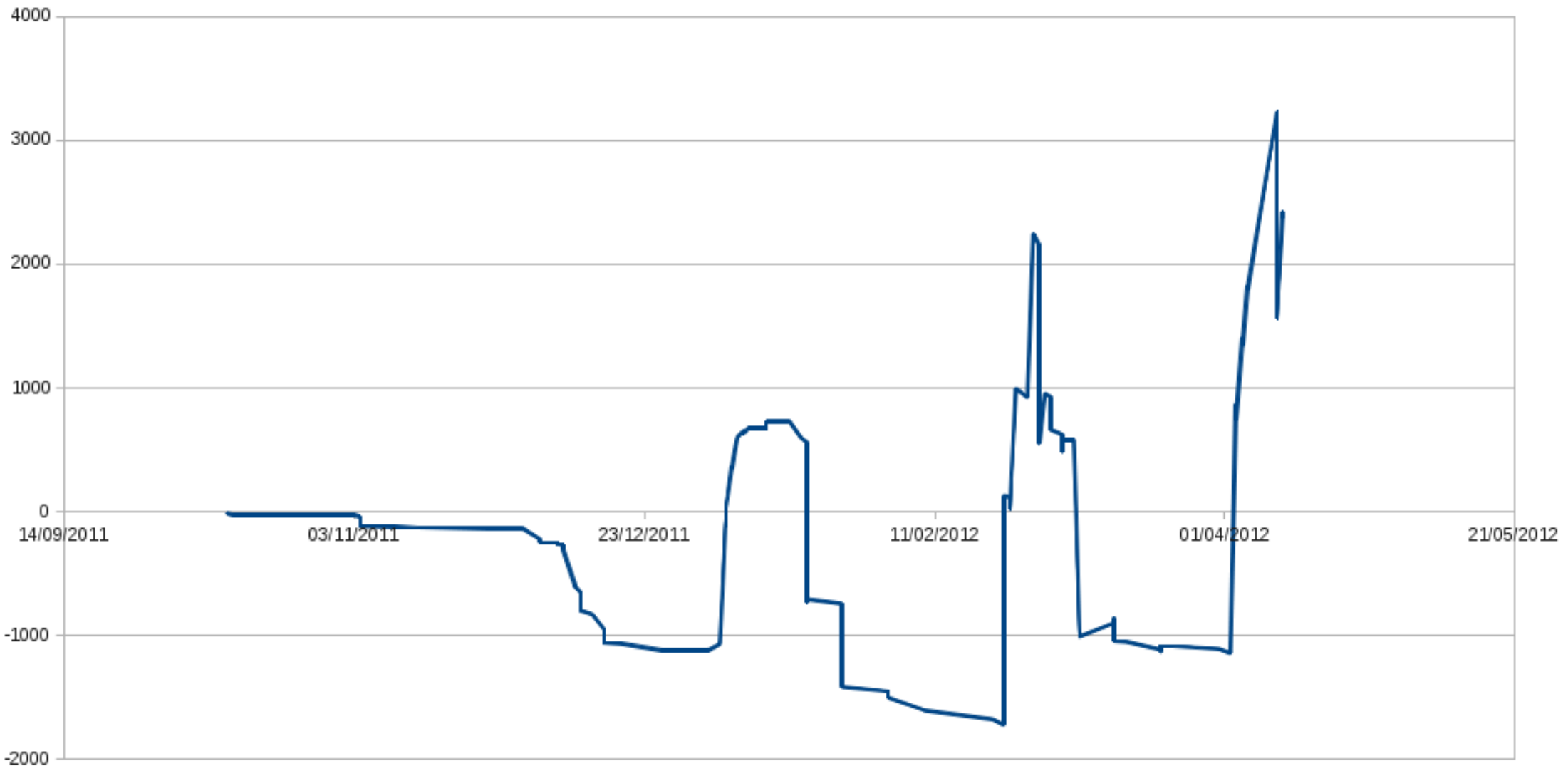


**Do not unplug the device and  
do not turn off the computer.**

Writing new firmware...

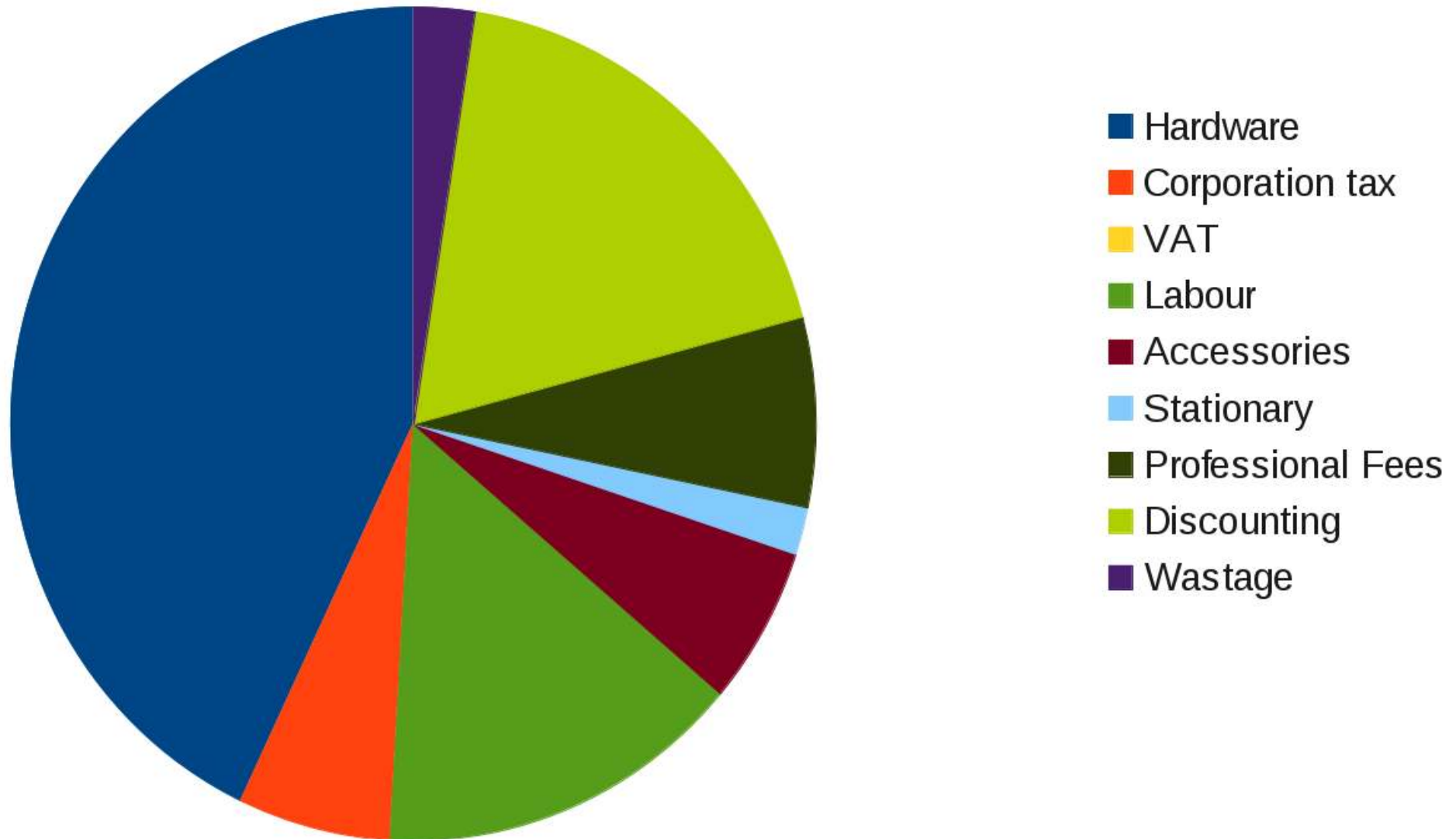


Close

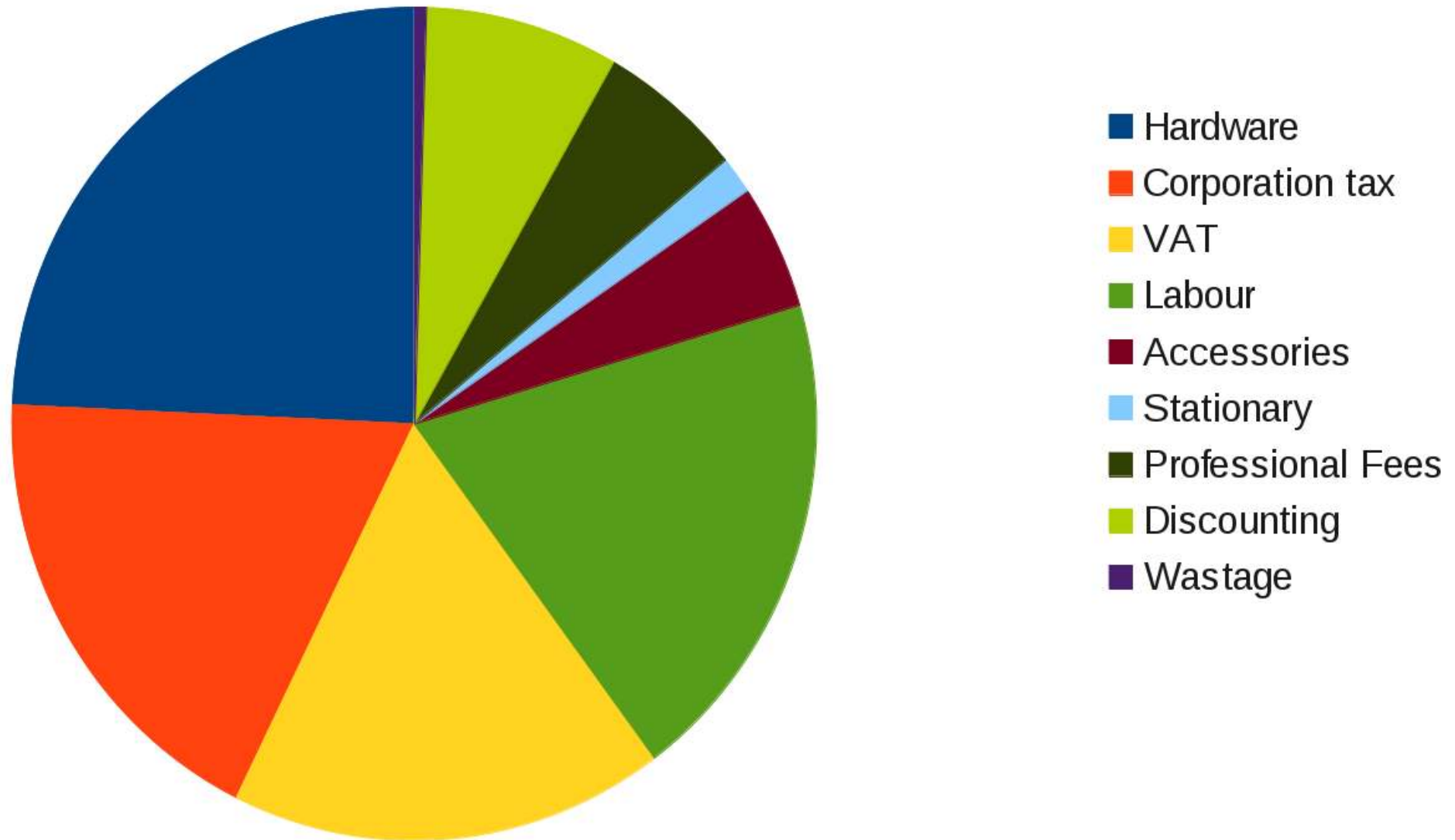




## Cost of manufacturing 150 devices



## Future cost of manufacturing 1000 devices









ColorMUG  
10000  
A. M. M. M. M. M.



Place your calibration device over the squares and press 'Start'

Cancel

Start

HP LP2480xx




ColorHug  
Documentation

### Hughski ColorHug

Page View Go Bookmarks

← → □ Hughski ColorHug ☆ ▾



The ColorHug is an open source display calibration device for Linux.

ColorHug allows you to calibrate your screen for accurate color matching. It is placed on your display and plugged into a spare USB port on the computer for the duration of the calibration.

#### Getting Started

Getting started with the ColorHug display colorimeter.

#### Loading a CCMX

Loading a custom CCMX matrix onto the device.

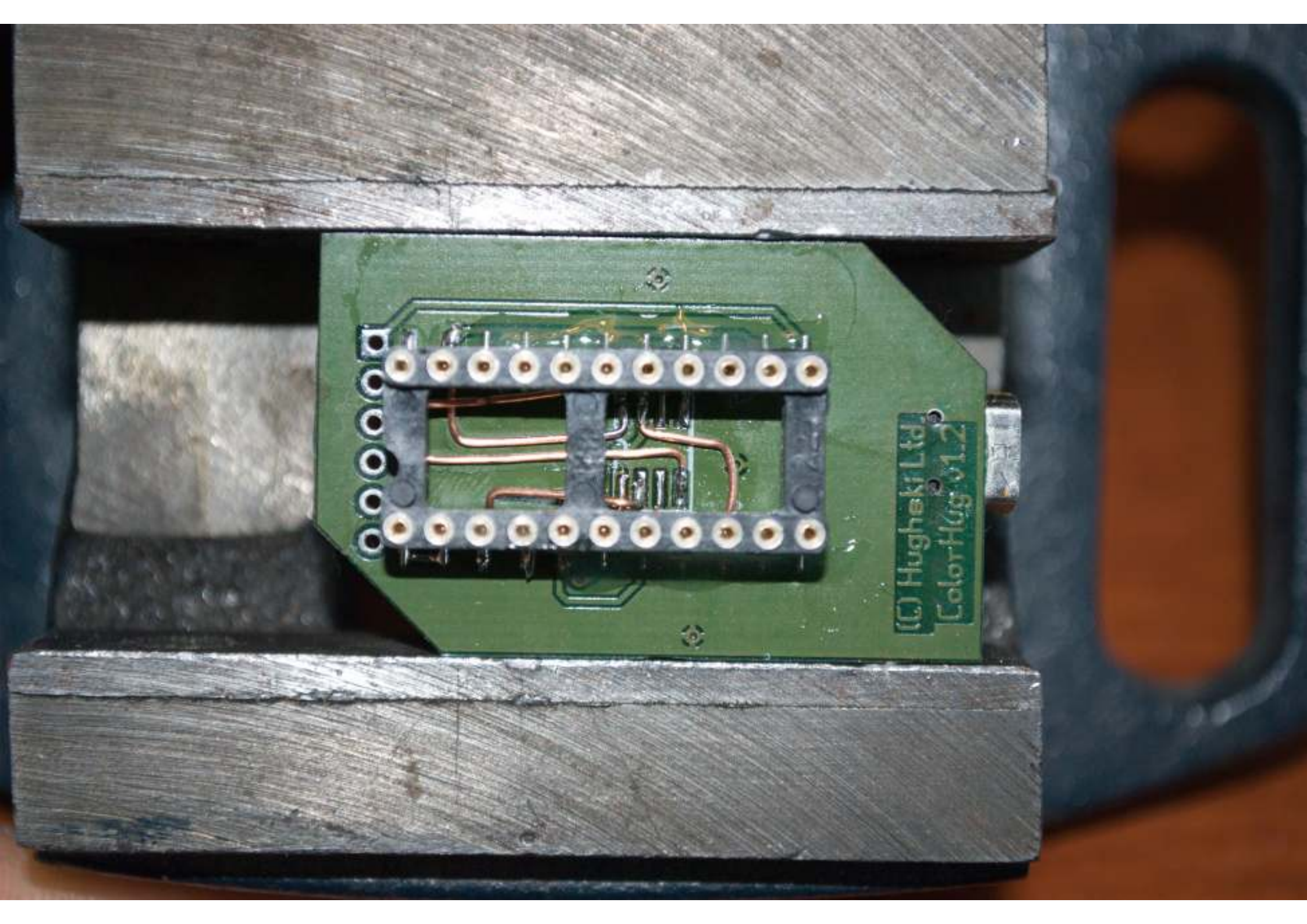
#### Solving Problems

Solving problems that may happen with your device.

#### Updating Firmware

Checking for firmware updates for your device.

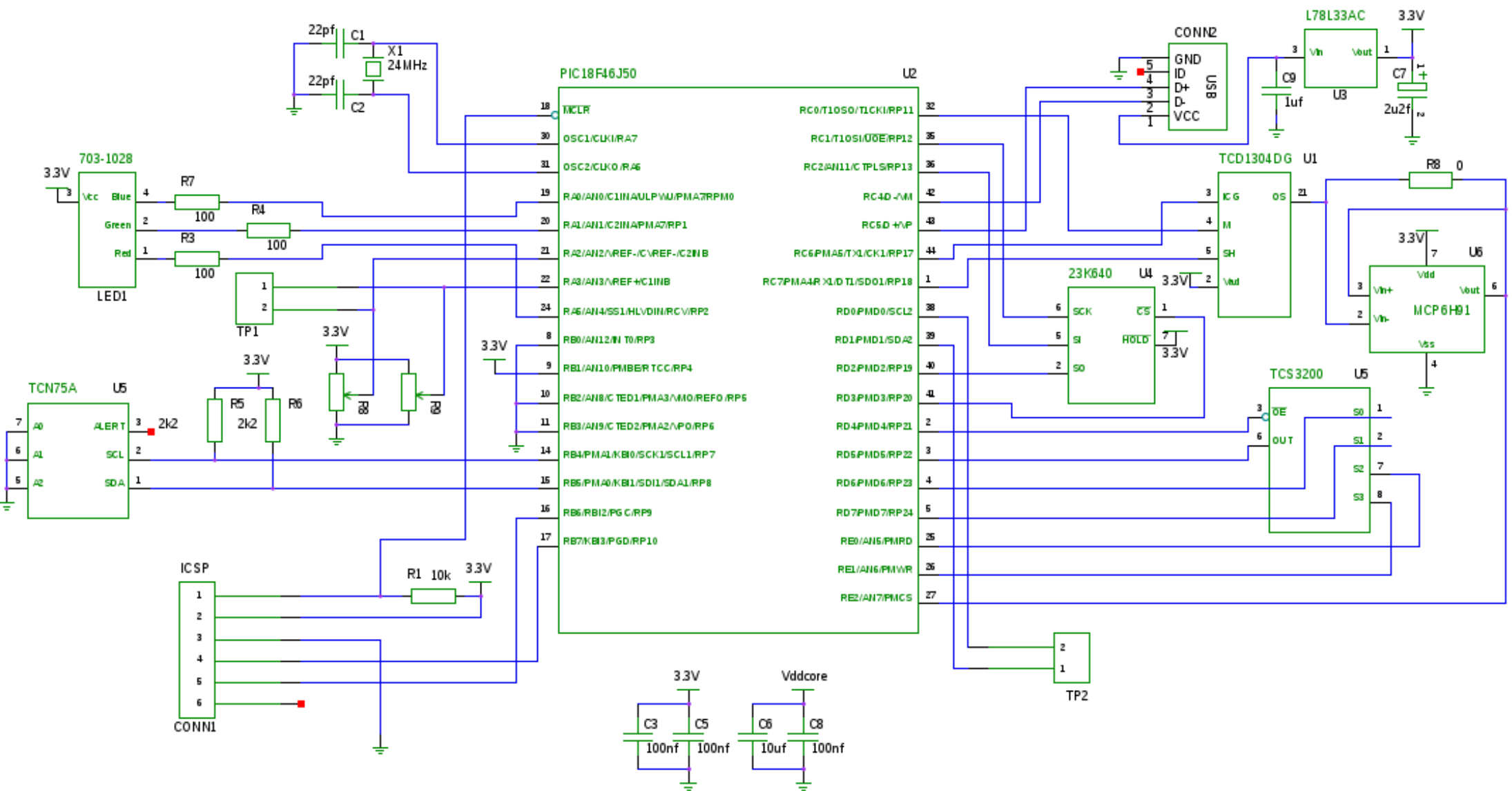


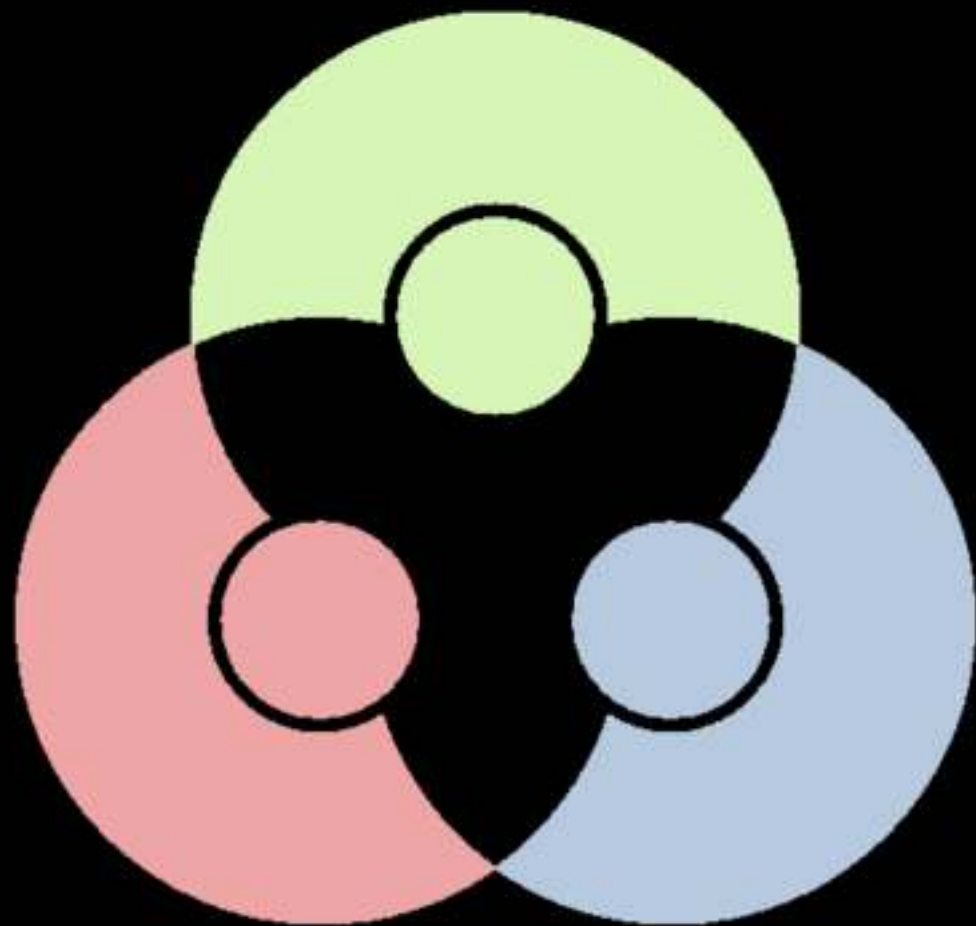


(C) Hughes Ltd.  
ColorHug v1.2









<http://www.hughski.com/>