

SCALABLE ARTISTIC LED BAR

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Programme: BEngECE

BACKGROUND

Traditional Light Painting Problems:

- Irregular words and drawings
- Waste of time to get the best picture
- High cost for every light painting tools
- Post Production
- Unable to merge logos/words to the environment



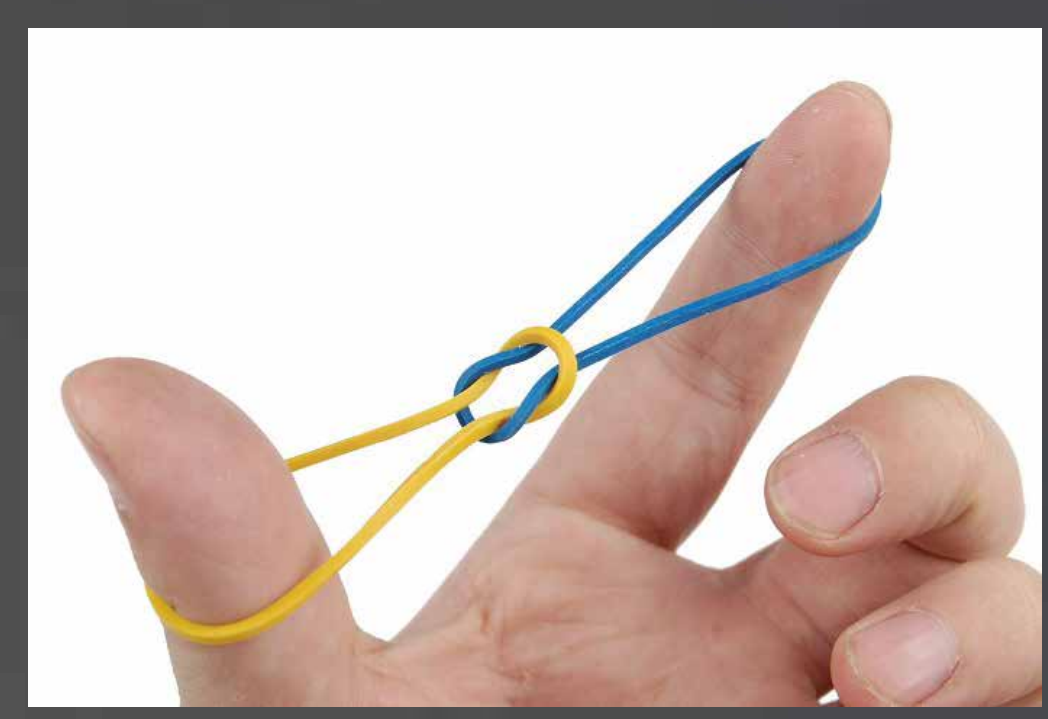
OBJECTIVES

Hardware:

- Display pre-defined images or words with at least 256 colors
- Scalable Length
- High Programmability
- Easy handle

Software:

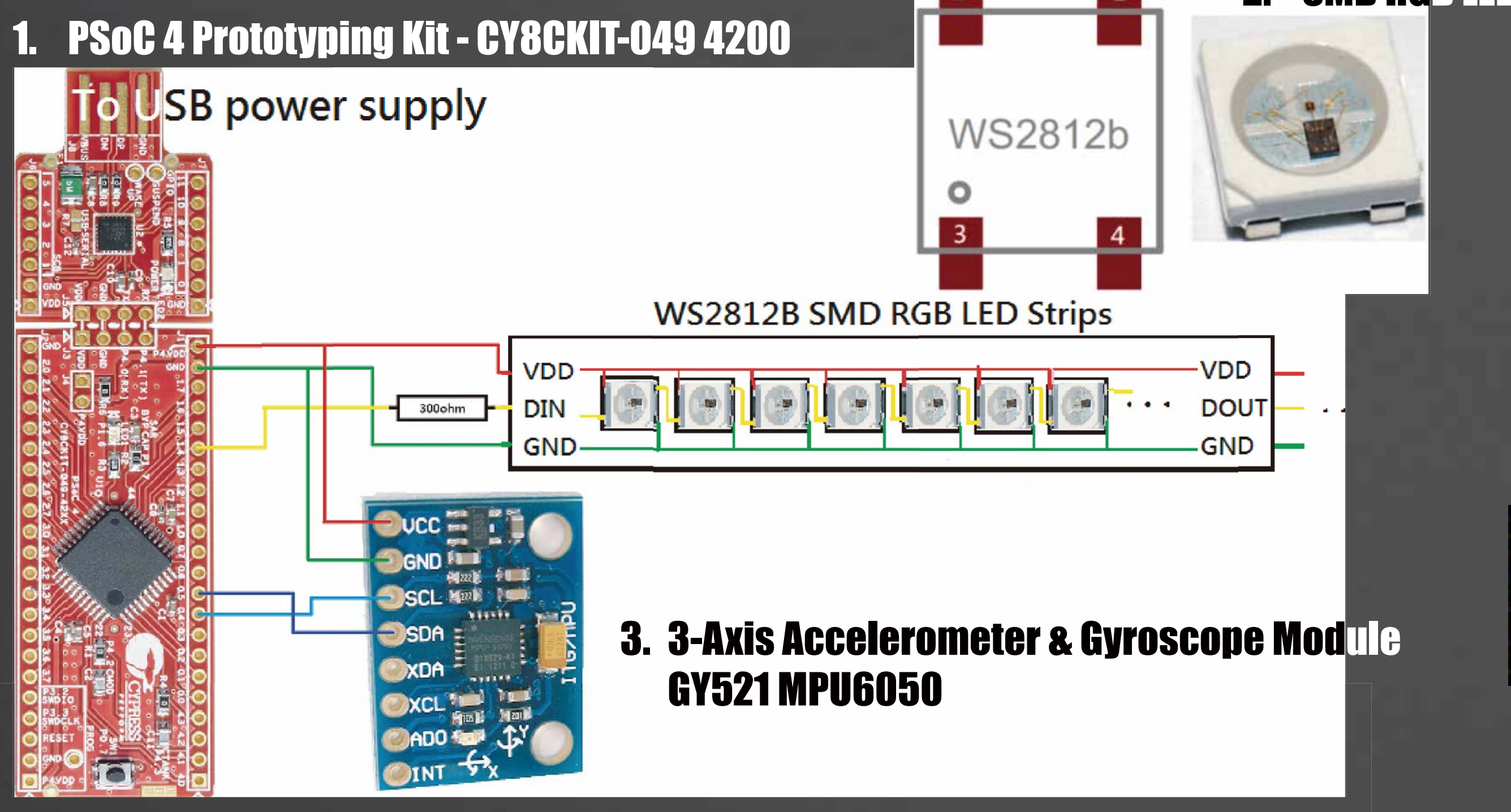
- Image file conversion
- LED Bar driving, to output images in discrete lines



136	136	136	136	0	0	0
136	136	136	136	0	0	0
0	0	0	0	248	248	248
0	0	248	248	248	248	248
0	0	248	248	248	248	248
0	0	248	248	248	248	248
0	0	248	248	248	248	248
255	255	0	0	248	248	248
255	255	0	0	248	248	248

METHODOLOGY

HARDWARE DESIGN



ILLUSTRATIONS



SOFTWARE DESIGN

