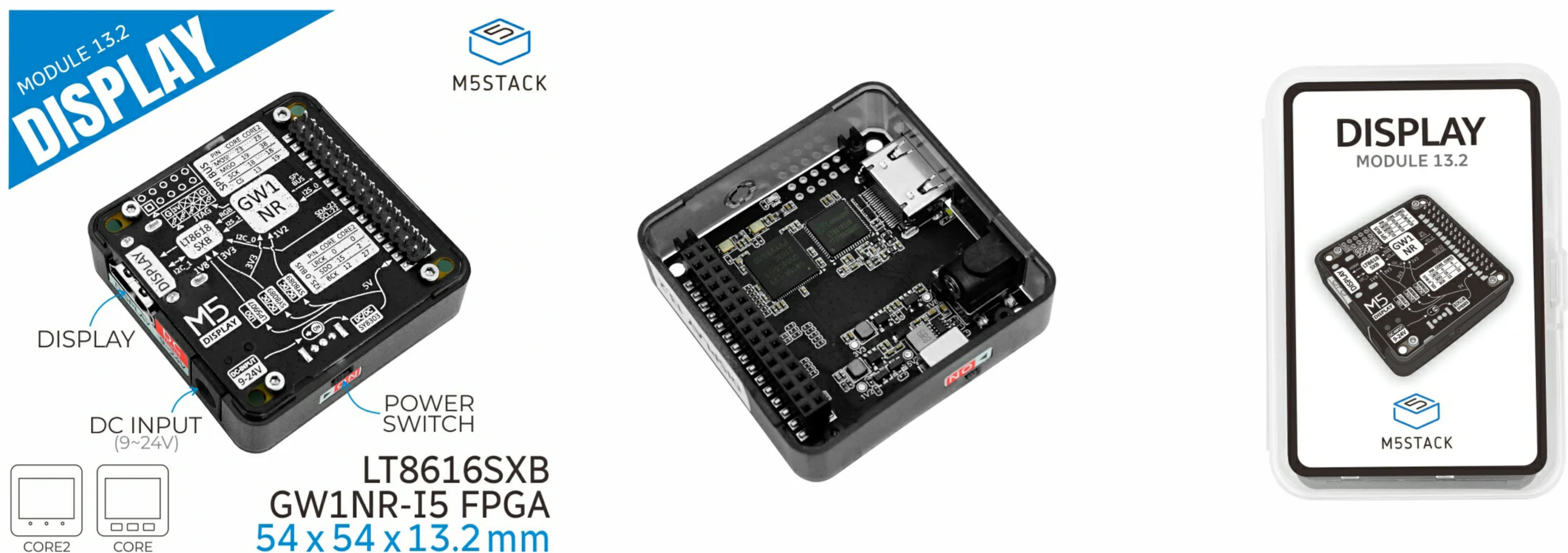


Display Module 13.2

SKU:M126



Description

Display Module 13.2 is an expansion module for **HD audio and video**, using **GAOYUN GW1NR series FPGA chip** to output **Display signal**, and using **LT8618S chip** as signal output conditioning, which can achieve **24-bit color depth Display signal** and **up to 8-channel audio signal** output, resolution up to **1080P**, of which FPGA internally realizes **I2S audio generation function**. The module contains **DC power input socket** and corresponding **DC-DC circuit**, which can realize the power supply of the whole machine. This product is suitable for **various programmable HD AV output** and other occasions.

Features

- Supports 24-bit RGB input
- Resolution up to 1080P
- Supports up to 8 channels of audio input
- Includes 9-24V to 5V, 3.3V and 1.2V DCDC circuits and 5V to 1.8V LDO circuits
- HD audio and video interface, JTAG download interface
- 9-24V DC power interface
- Power switch

Includes

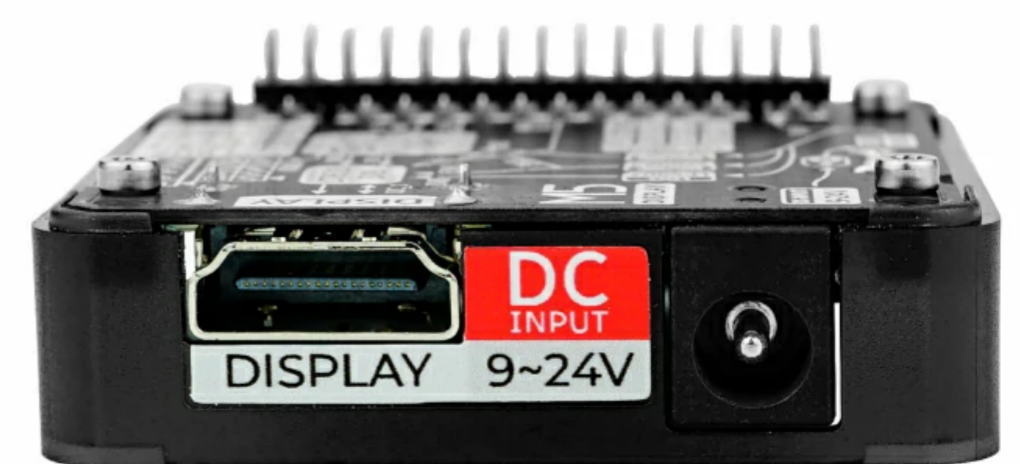
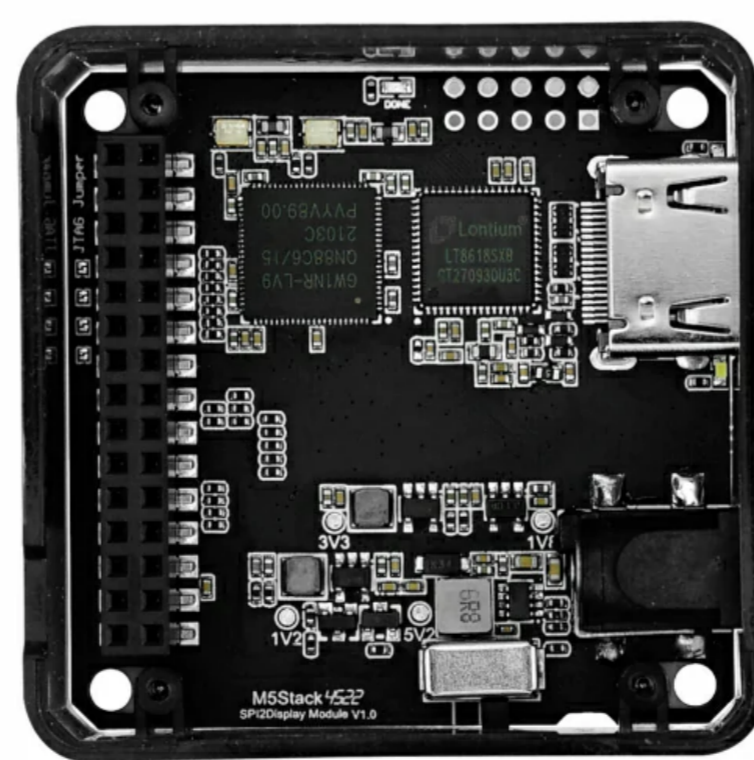
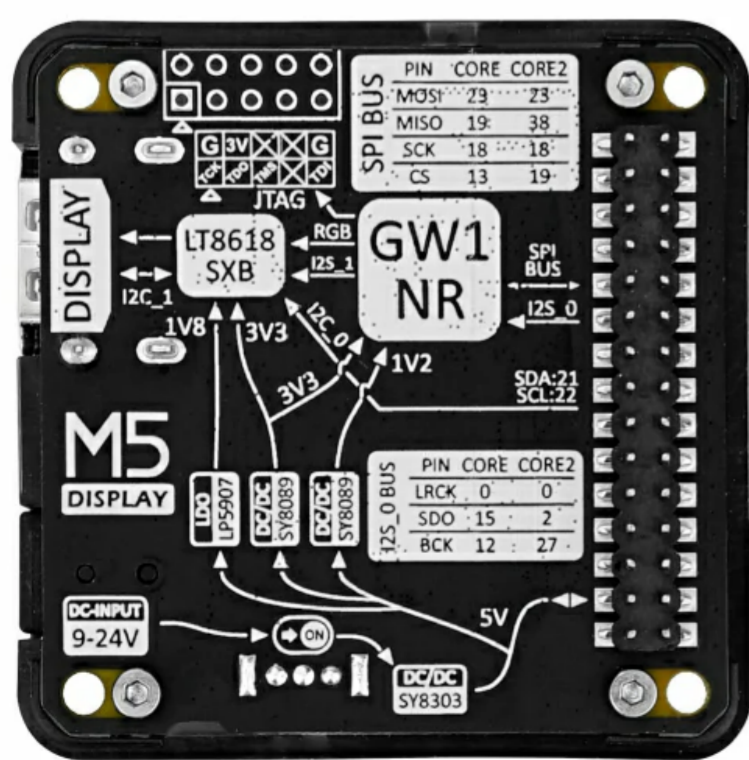
- 1x Display Module 13.2

Applications

- Output HD audio and video signals
- Human-machine interaction

Specification

Resources	Parameters
Audio and video signal acquisition chip	GW1NR-LV9QN88C6-I5 FPGA
Audio and video signal processing chip	LT8616SXB
9-24V to 5V DCDC buck chip	SY8303
5V to 3.3V and 1.2V DCDC buck chips	SY8089
5V to 1.8V LDO buck chip	LP5907
Resolution	MAXIMUM 1080P (1920x1080)
The power supply	9-24V
Product Size	54mm × 54mm × 14.2mm
Package Size	93mm × 63mm × 25mm
Product Weight	21.6g
Package Weight	41.2g

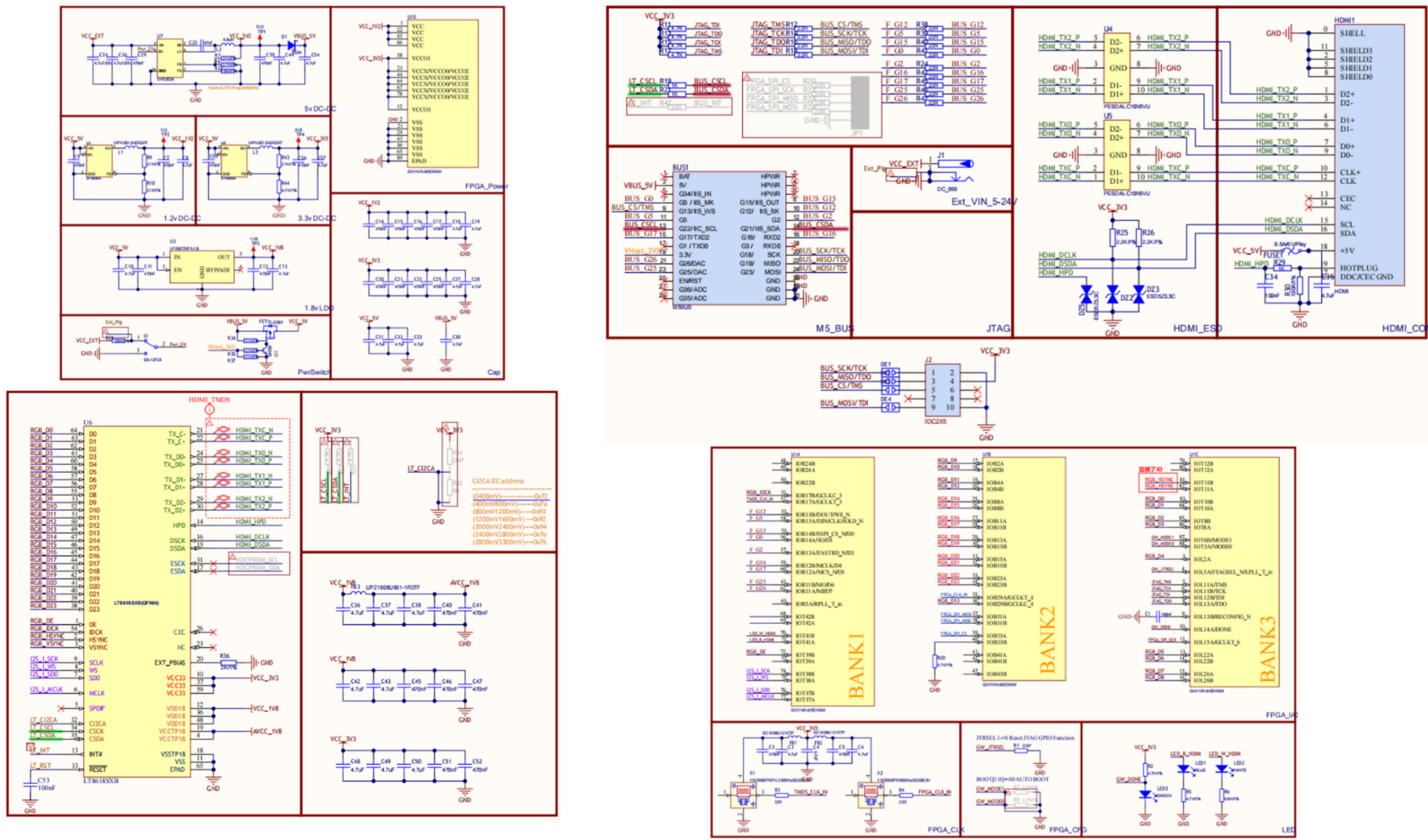




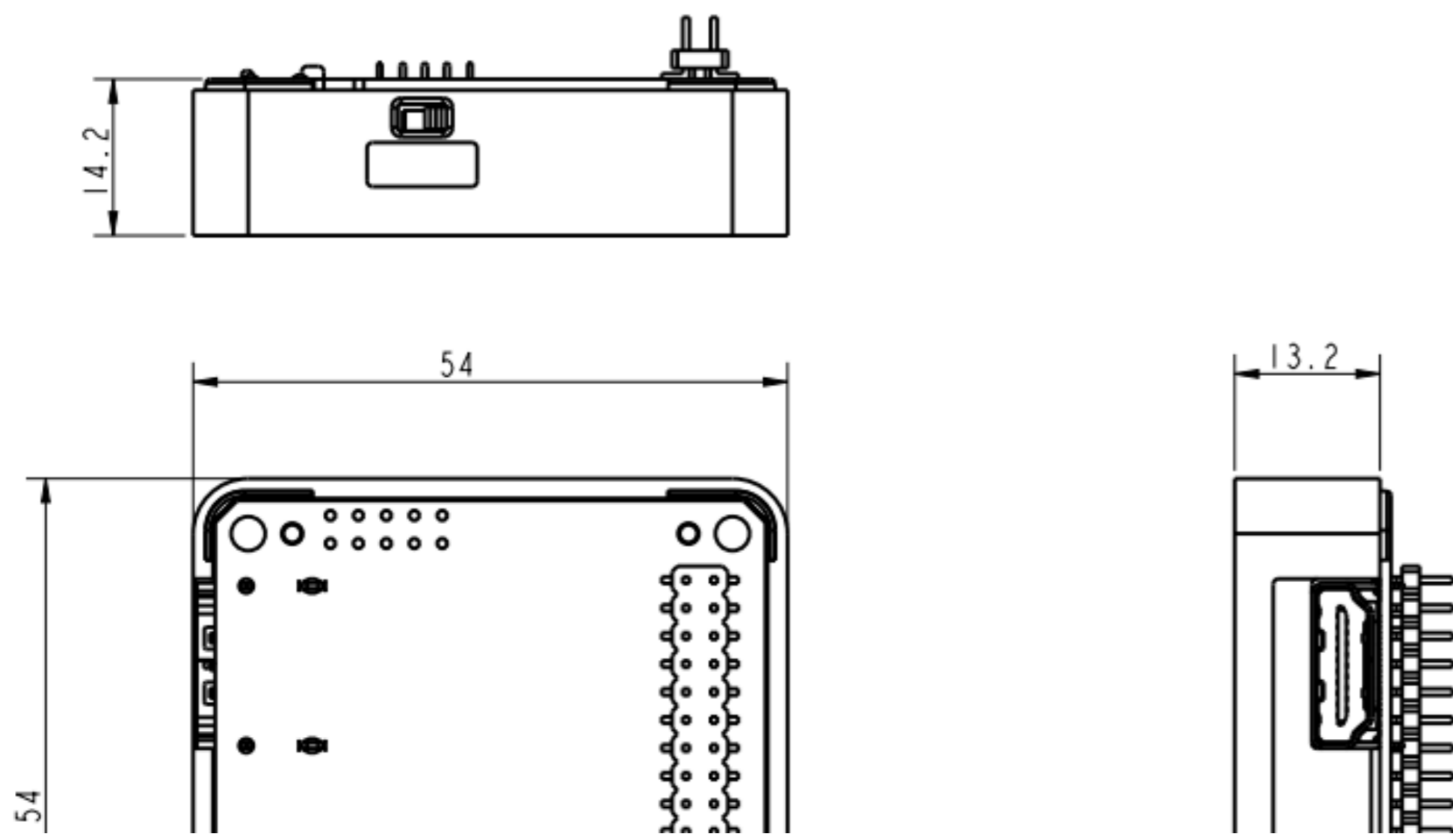
Related Link

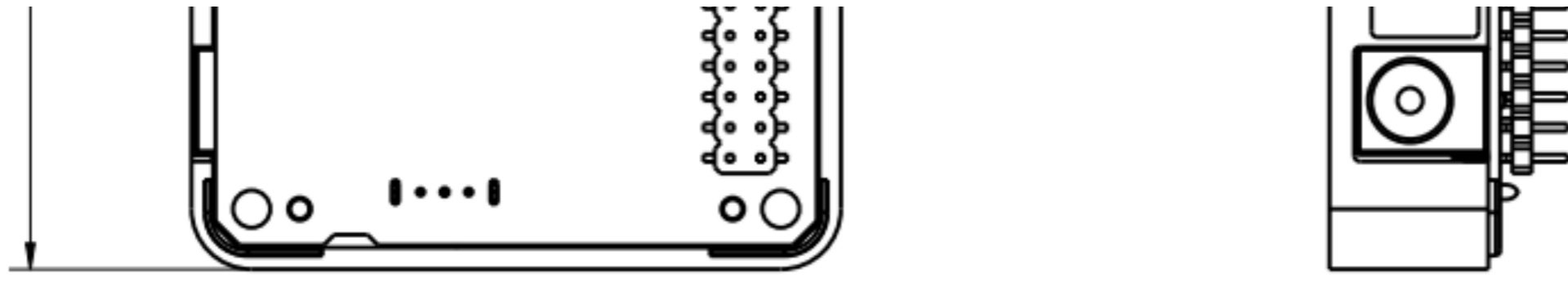
- [GW1NR-LV9 FPGA](#)
- [LT8616SXB](#)
- [SY8089](#)
- [SY8303](#)
- [LP5907](#)
- [EasyLoader Download\(For Example\)](#)

Schematic



Module Size





UNIT: mm

Examples

Arduino

- [Display Module 13.2 Arduino Example](#)

