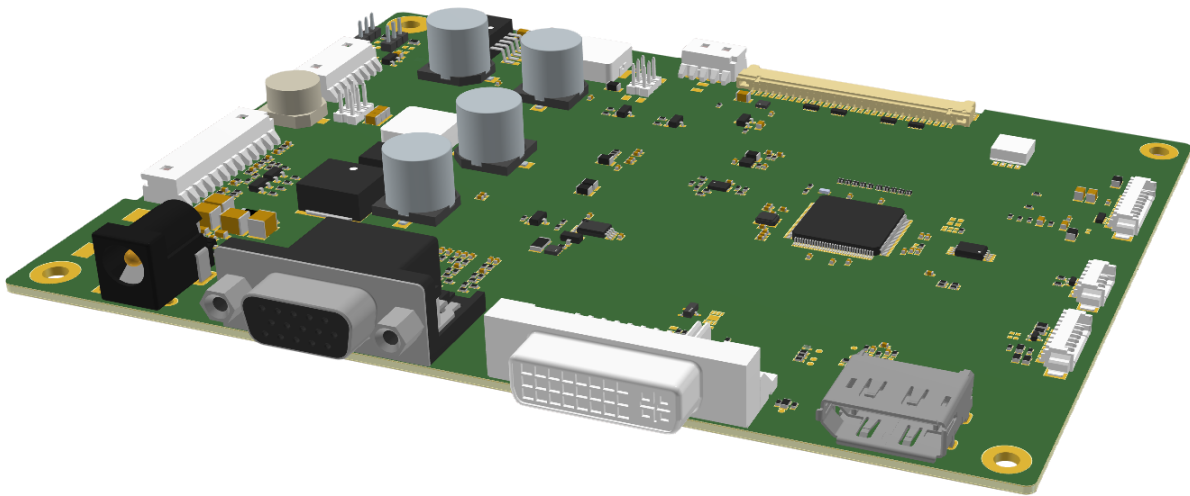


## DCMR-64 (STD)

DCMR-64 is a DisplayPort, DVI-I and analog RGB to LVDS converter board which accepts common video signals. Digital interfaces DisplayPort 1.2, DVI 1.0 and all backward compatible signals are supported as well as analog RGB. It generates all necessary control signals and panel data to drive TFT-LCDs with  $V_{DD}$  level 3.3V, 5V or 12V. This TFT-controller board supports resolutions up to 1920x1200 (WUXGA) at a vertical refresh rate up to 60Hz. The user interface includes brightness, contrast adjustment, etc. by on-screen programming. For automatic backlight adjustment an ambient light sensor is supported. Several OSD functions can be managed via embedded I<sup>2</sup>C- or DDC/CI-interface.



### Features

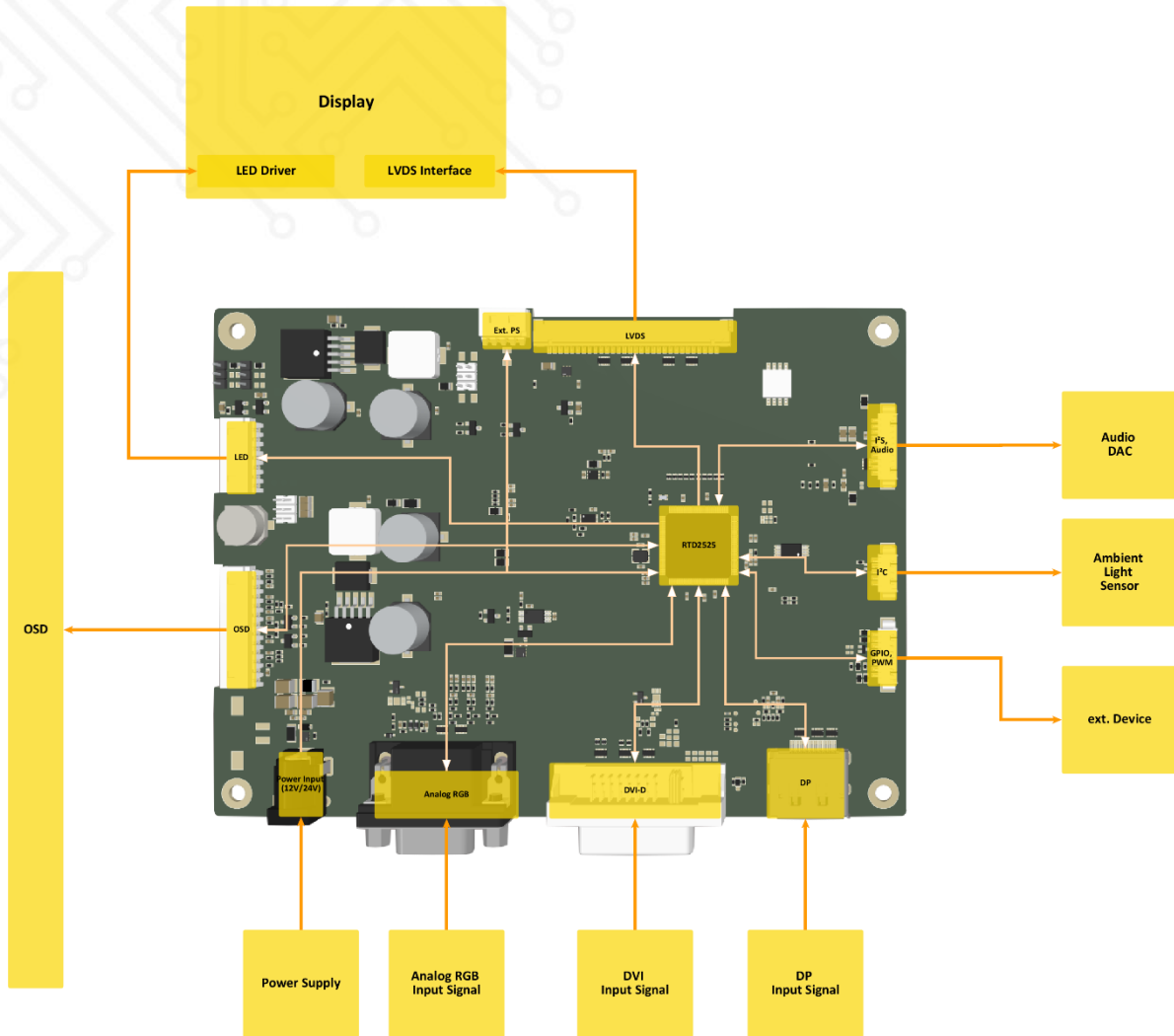
- DCMR-60 outline
- Up to 32V input voltage
- Optional reverse voltage protection
- MCCS via DDC/CI
- I<sup>2</sup>C control interface (for e.g. light sensor)
- On-board temperature sensor
- Free GPIO, PWM and ADCs (for customized features)
- Optional HDCP support
- I2S Audio output

### Technical Specification

<b>Input Interface</b>	DisplayPort, DVI-I, RGB
<b>Output Interface</b>	Dual-LVDS, 24-bit
<b>Max. Resolution</b>	1920 x 1200 pixels (WUXGA)
<b>Power Supply</b>	12V/DC or 12V/DC ... 32V/DC
<b>Power Consumption</b>	TBD mW
<b>Dimensions</b>	150mm x 116mm x 16mm (W x D x H)
<b>Weight</b>	TBD g
<b>Operating Temperature</b>	0°C ... 60°C

## Typical Application

A typical application in an industrial environment is shown in the following figure:



## Accessories

Part No.	Name	Description
188-00330	Power supply 12V, 5A, 2.5 x 5.5 x 11mm	Power supply 60W (12V/DC, 5A)
188-00752	BTA-keypad_var.DIG_v1.0	5-button keypad with bi-color R/G SMD LED
188-02274	OSC_DCMR-60_BTA-keypad-DIG_250, Rev.A	Cable for digital OSD-keypad

## Technical Support & contact information

For more information, customized adaptations and new designs please visit our [website](#).