

AVX TFT CONTROLLER BOARD

AVX is the most versatile low cost A/D controller board for your industrial applications.

It converts analog RGB, composite video (CVBS) and S-Video (Y/C) signals to parallel digital 18 / 24 bit format or LVDS depending on your panel.

Entirely designed, manufactured and supported from France from display experts, it has been designed to be fully flexible and therefore used in any application with no constraint.

Because it uses no dedicated scaler chips like most pseudo industrial TFT controllers, it offers the longest life cycle available on the market. Its fully programmable architecture (FPGA) offers a virtually unlimited sales cycle.

KEY FEATURES

- Any input resolution from QCIF up to XGA (including custom timings signals)
- Output resolution QCIF up to XGA
- Upscaling support
- Compact size (80x80 mm), special form factors upon request
- Power supply range from +8V up to +50V (option - +12V typical)
- Operating temperature range : -25°C up to +85°C (option)
- Inverter output for CCFL inverter
- RS232 input for OSD settings or any Man-To-Machine functions (option)
- 4 on-board OSD switches (redundant on optional input connector)
- Light sensor input (option)
- 2 board-to-board connectors for panel adapter (for FFC output panel type, includes DC/DC converter for LED backlight panels)



CUSTOMIZATION SERVICE

AVX is a universal base brick for any display application, whatever the brand, size and resolution of your panel. Thanks to our flexibility and our low engineering prices, it is worth considering a custom PCB layout to make the board with only the components needed for your panel, hence allowing size and price decrease, even for limited volumes (examples available upon request)

LCDIS can also develop custom firmwares to include special functions dedicated to your application (start-up page, warning messages, etc...). The board allows embedded image processing functions like text on image from your source. By embedding those functions, we can include most of your external board functions on our board, allowing cost savings giving you a competitive edge.

Please contact us with your requirements and let us show how we can help

Custom developments of your microprocessor / FPGA based board welcome !

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