

## STEVAL-CBP004V1

# Front panel display demonstration board based on the STFPC311 and ST72264G2

**Data Brief** 

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#### **Features**

- 16-segment, 1-digit customized VFD for DVD recorders
- 12 front panel keys
- 3 LEDs (red for standby, blue for IR and green for mute)
- 1 IR sensor for remote control operation
- Buzzer for mute feature demonstration
- On-board real-time clock (RTC) to set the timer and alarm for standby
- Power supply connector for four power supplies (3.3 V, 12 V, -30 V and GND)
- Standby management for low power operation
- Auto wakeup from system standby
- Embedded in-circuit programming capability

### **Description**

This front panel demonstration board is based on the STFPC311 front panel controller and microcontroller ST72F264 as the SPI master. The basic idea is to develop a front panel for DVD recorders which is very close to the available solutions in the market while displaying the capabilities of ST's front panel controller/driver STFPC311 to fit the market segment of front panel of DVD players, DVD recorders, VCR, home theater systems with clock feature, HTiB (home theater in a box), personal video recorders (PVRs), set-top boxes and other applications that require a compact, integrated solution, keeping the system cost as low as possible.

For further information contact your local STMicroelectronics sales office.



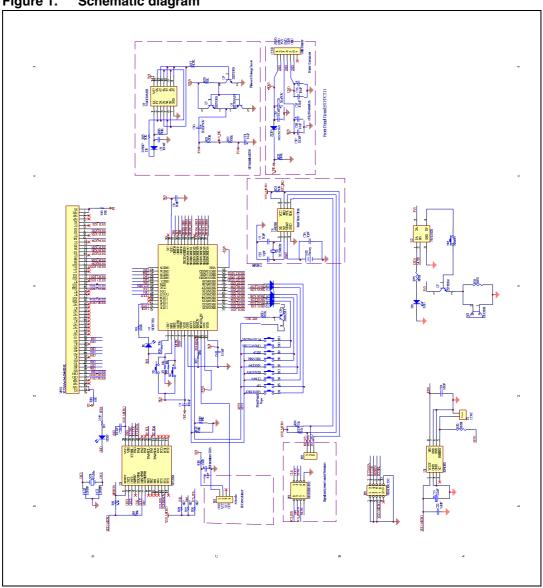
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The system design focus is in the key areas of standby management feature for low power consumption. The system can operate using front panel keys or remote control

STEVAL-CBP004V1 **Board schematic** 

#### **Board schematic** 1

Figure 1. Schematic diagram



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STEVAL-CBP004V1 Revision history

# 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
02-Sep-2008	1	Initial release.

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