

## STR750-EVAL evaluation board

Data brief

### Features

- Three 5 V power supply options: power jack, USB connection or daughter board
- Real-time clock (RTC)
- Audio play and record
- 3 RS232 connectors, one with hardware flow control
- USB 2.0 compliant with full speed (12 Mb/s) data transmission
- CAN 2.0A/B connection
- Inductor motor control connector with 6 PWM output and emergency stop
- Debug and programming support via 20-pin JTAG connector
- Dot-matrix LCD module
- Joystick with 4-direction control and selector
- Extension connectors for daughter board or wrapping board

### Description

The STR750 evaluation board (STR750-EVAL) is a complete development platform for STMicroelectronics' ARM® core-based STR75xF microcontrollers. Based on a cost-effective, flexible and open design, it allows easy demonstration of STR75xF capabilities and enables rapid evaluation of the microcontroller's peripherals and other features.

It includes the high performance STR750F microcontroller, which is based on the ARM7TDMI-S core and includes USB 2.0 compliant port with full speed data transmission, CAN 2.0A/B compliant interface, 3 UART channels, internal Flash and internal SRAM memory.



The STR750-EVAL features a complete range of connectors and hardware features for developing applications based on STR75xF peripherals including motor control, USB and RS232 connectors, microphone, speaker, joystick, and LCD display.

The STR750-EVAL uses a JTAG standard interface to connect to your host PC via any of a range of in-circuit emulators (ICE) for ARM core-based microcontrollers.

# 1 Ordering information

**Table 1. Device summary**

| Order code  | Reference                    |
|-------------|------------------------------|
| STR750-EVAL | STR750-EVAL evaluation board |

## 2 Revision history

Table 2. Document revision history

| Date        | Revision | Changes          |
|-------------|----------|------------------|
| 25-Oct-2010 | 1        | Initial release. |

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