**Airspeed\_SensorBoard**

**STM32F030F4P6TR**

Features

• Core: Arm® 32-bit Cortex®-M0 CPU, frequency

up to 48 MHz

• Memories

– 16 to 256 Kbytes of Flash memory

– 4 to 32 Kbytes of SRAM with HW parity

• CRC calculation unit

• Reset and power management

– Digital & I/Os supply: VDD = 2.4 V to 3.6 V

– Analog supply: VDDA = VDD to 3.6 V

– Power-on/Power down reset (POR/PDR)

– Low power modes: Sleep, Stop, Standby

• Clock management

– 4 to 32 MHz crystal oscillator

– 32 kHz oscillator for RTC with calibration

– Internal 8 MHz RC with x6 PLL option

– Internal 40 kHz RC oscillator

• Up to 55 fast I/Os

– All mappable on external interrupt vectors

– Up to 55 I/Os with 5V tolerant capability

• 5-channel DMA controller

• One 12-bit, 1.0 μs ADC (up to 16 channels)

– Conversion range: 0 to 3.6 V

– Separate analog supply: 2.4 V to 3.6 V

• Calendar RTC with alarm and periodic wakeup

from Stop/Standby

• 11 timers

– One 16-bit advanced-control timer for

six-channel PWM output

– Up to seven 16-bit timers, with up to four

IC/OC, OCN, usable for IR control

decoding

– Independent and system watchdog timers

– SysTick timer

• Communication interfaces

– Up to two I2C interfaces

– Fast Mode Plus (1 Mbit/s) support on

one or two I/Fs, with 20 mA current sink

– SMBus/PMBus support (on single I/F)

– Up to six USARTs supporting master

synchronous SPI and modem control; one

with auto baud rate detection

– Up to two SPIs (18 Mbit/s) with 4 to 16

programmable bit frames

• Serial wire debug (SWD)

• All packages ECOPACK®2

**HT7533-1-SOT89**

EOL Notification Holtek hereby formally gives End Of Life (EOL) notification that the HT7530, HT7533, HT7536, HT7544 and HT7550 (hereinafter denoted as HT75XX) 100mA Voltage Regulator will be phased out of production with a latest purchase date of July 31st 2003. The suggested replacement device will be known as the HT7530-1, HT7533-1, HT7536-1, HT7544-1 and HT7550-1 (hereinafter denoted as HT75XX-1) and will offer superior performance by providing lower output voltage tolerance of 3% in addition to having an additional SOT25 packaging type. The following shows the phase out schedule for the HT75XX and the cross references between the phased out devices and the new release devices: Last time buy date: July 31st 2003 Order placement deadline Production stops: October 31st 2003 Cease production Last delivery Product reaches end of life status Suggested replacement device: HT75XX-1 Output voltage tolerance of 3% Additional SOT25 package release All devices are now available Refer to the following tables for cross reference information.