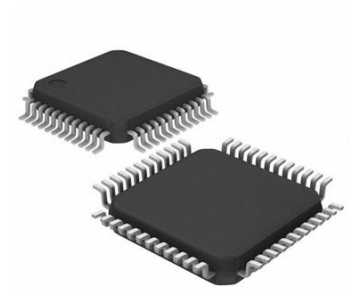



MCU 8-bit STM8A CISC 64KB Flash 3.3V/5V Automotive 48-Pin LQFP Tray



Images are for reference only

[Inquiry](#)

Manufacturer:	STMicroelectronics, Inc
Package/Case:	LQFP48
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	LTB

General Description

The STM8AF526x/8x/Ax and STM8AF6269/8x/Ax automotive 8-bit microcontrollers described in this datasheet offer from 32 Kbyte to 128 Kbyte of non volatile memory and integrated true data EEPROM. They are referred to as high density STM8A devices in STM8S series and STM8AF series 8-bit microcontrollers reference manual (RM0016).

The STM8AF52 series features a CAN interface.

All devices of the STM8A product line provide the following benefits: reduced system cost, performance and robustness, short development cycles, and product longevity.

The system cost is reduced thanks to an integrated true data EEPROM for up to 300 k write/erase cycles and a high system integration level with internal clock oscillators, watchdog, and brown-out reset.

Device performance is ensured by 20 MIPS at 24 MHz CPU clock frequency and enhanced characteristics which include robust I/O, independent watchdogs (with a separate clock source), and a clock security system.

Short development cycles are guaranteed due to application scalability across a common family product architecture with compatible pinout, memory map, and modular peripherals. Full documentation is offered with a wide choice of development tools.

Product longevity is ensured in the STM8A family thanks to their advanced core which is made in a state-of-the art technology for automotive applications with 3.3 V to 5.5 V operating supply.

All STM8A and ST7 microcontrollers are supported by the same tools including STVD/STVP development environment, the STice emulator and a low-cost, third party in-circuit debugging tool.

Key Features

CPU

CPU

for industry standard benchmark

Memories

Clock management

Reset and supply management

Interrupt management

Recommended For You

STA013

STMicroelectronics, Inc
SOP28

STPCI2GDYI

STMicroelectronics, Inc
BGA

STDP8028-AB

STMicroelectronics, Inc
BGA

STM8AF52AATCX

STMicroelectronics, Inc
LQFP100

STM8AF5289TCX

STMicroelectronics, Inc
LQFP-64

STMB2WB55RCV6

STMicroelectronics, Inc
QFN68

STMB2WLE5CCU6

STMicroelectronics, Inc
QFN48

STMB2WB55VGQ6

STMicroelectronics, Inc
BGA129

STMB2WB55VGY6TR

STMicroelectronics, Inc
WLCSP100

STMB2WB35CEU6A

STMicroelectronics, Inc
UFQFPN-48

STMB2WL55CCU6

STMicroelectronics, Inc
UFQFN48

STMB2WB10CCU5

STMicroelectronics, Inc
QFN48

STMB2MP151AAD3

STMicroelectronics, Inc
BGA257

STMB2WB55RGV6

STMicroelectronics, Inc
VFQFPN68

STMB2MP157CAC3

STMicroelectronics, Inc
TFBGA361