

TX03 Series

32-bit / 100-pin

Under Development

TMPM390FWFG

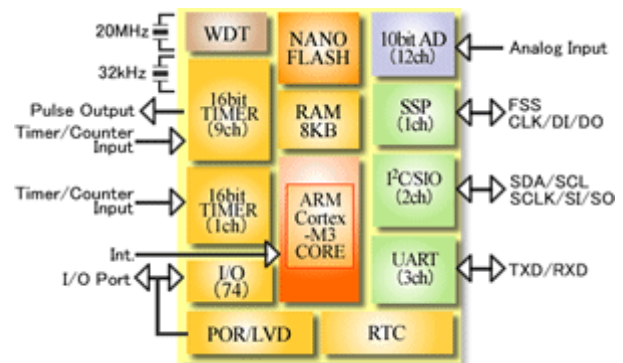
**NANO
FLASH™**

**High-functionality, low-power 32-bit microcontroller incorporating
ARM®Cortex®-M3 core, with independent RTC and IO capable of separating or
shutting off power supplies, ideal for controlling digital AV equipment
and realizing 1.8V low-power operation.**

Features

ARM®Cortex®-M3 CPU Core

- ▶ Operating voltage:
1.7 to 3.6V (Single supply/on-chip regulator)
- ▶ Maximum Operating frequency:
20 MHz
- ▶ On-chip debug circuit:
JTAG, SWD, SWV or 4-bit trace interface
- ▶ Power saving operation
Clock gear (1/2, 1/4, 1/8)
Standby modes (IDLE, SLOW, SLEEP, Backup STOP)



Built-in Functions

- ▶ 10-bit AD converter : 12 channels
- ▶ 16-bit timer : 10 channels
- ▶ SIO/UART : 3 channels
- ▶ I²C/SIO : 2 channels
- ▶ SSP(SPI) : 1 channel
- ▶ CEC : 1 channel
- ▶ Remote control signal preprocessor : 2 channels
- ▶ RTC : 1 channel
- ▶ Voltage detection circuit (LVD)
- ▶ On-chip oscillator (9.91MHz)
- ▶ Power-on reset circuit (POR)

Memory Size

Part number	ROM	RAM
TMPM390FWFG**	128 Kbytes	8 Kbytes

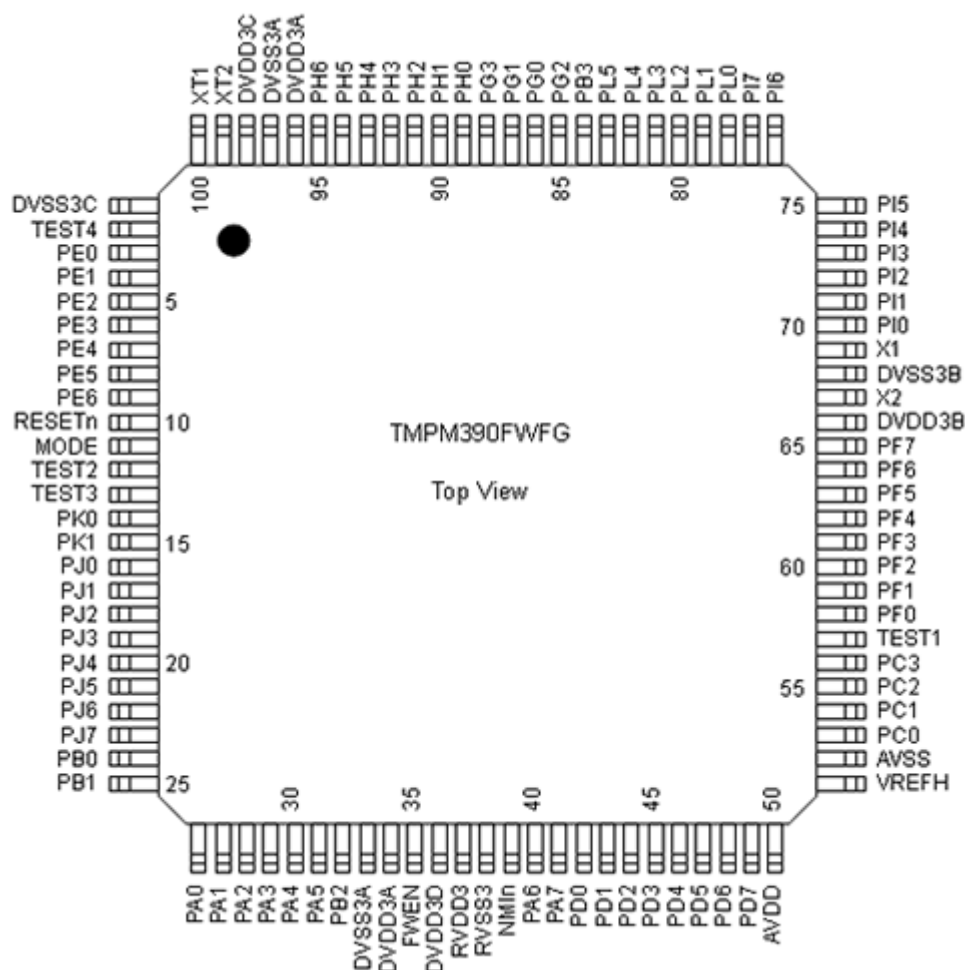
** : Under development

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Package Information

Pin Assignments



Package name LQFP100-P-1414-0.50

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