


MCU 16-bit MSP430 RISC 2KB Flash 2.5V/3.3V 14-Pin PDIP Tube

Manufacturer:	Texas Instruments, Inc
Package/Case:	DIP14
Product Type:	Embedded Processors & Controllers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

MSP430G2231IN14 Image

Images are for reference only

[Inquiry](#)

General Description

Key Features

Ultralow power consumption

220 μ A at 1MHz, 2.2V Active mode

0.5 μ A Standby mode

0.1 μ A Off mode (RAM retention)

Five power-saving modes

Ultra-fast wake-up from standby mode in less than 1 μ s

16-bit RISC architecture, 62.5ns instruction cycle time

Internal frequencies up to 16MHz with one calibrated frequency

Internal very low power low-frequency (LF) oscillator

32kHz Crystal

External digital clock source

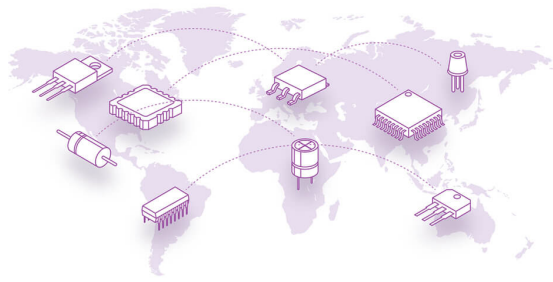
16-bit Timer_A with two capture/compare registers

Universal serial interface (USI) supporting SPI and I²C

Brownout detector

10-bit 200ksps A/D converter with internal reference, sample-and-hold and auto scan

On-chip emulation logic with Spy-Bi-Wire interface



Recommended For You

TMS320DM642AZNZ6

Texas Instruments, Inc
BGA

TMS320C31PQA40

Texas Instruments, Inc
QFP

TMS320C6726BRFP266

Texas Instruments, Inc
QFP144

MSP430F147IPM

Texas Instruments, Inc
QFP64

MSP430F135IPMR

Texas Instruments, Inc
LQFP64

TMS320DM648ZUTD9

Texas Instruments, Inc
BGA

TMS320C203PZ80

Texas Instruments, Inc
QFP

MSP430G2452IPW20

Texas Instruments, Inc
TSSOP20

MSP430G2231IPW14R

Texas Instruments, Inc
TSSOP14

TMS320F28027PTT

Texas Instruments, Inc
LQFP48

TMS5703137DZWTQQ1

Texas Instruments, Inc
NFBGA-337

TMS34010FNL-40

Texas Instruments, Inc
PLCC

TMS320C6670ACYP A2

Texas Instruments, Inc
FCBGA84

TMS320VC5402APGE16

Texas Instruments, Inc
LQFP-144

TMS320DM642AGDKA5

Texas Instruments, Inc
FCCSP(GDK)