


## MCU 16-bit MSP430 RISC 8KB Flash 2.5V/3.3V 20-Pin TSSOP Tube

<b>Manufacturer:</b>	<u>Texas Instruments, Inc</u>
<b>Package/Case:</b>	TSSOP20
<b>Product Type:</b>	Embedded Processors & Controllers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



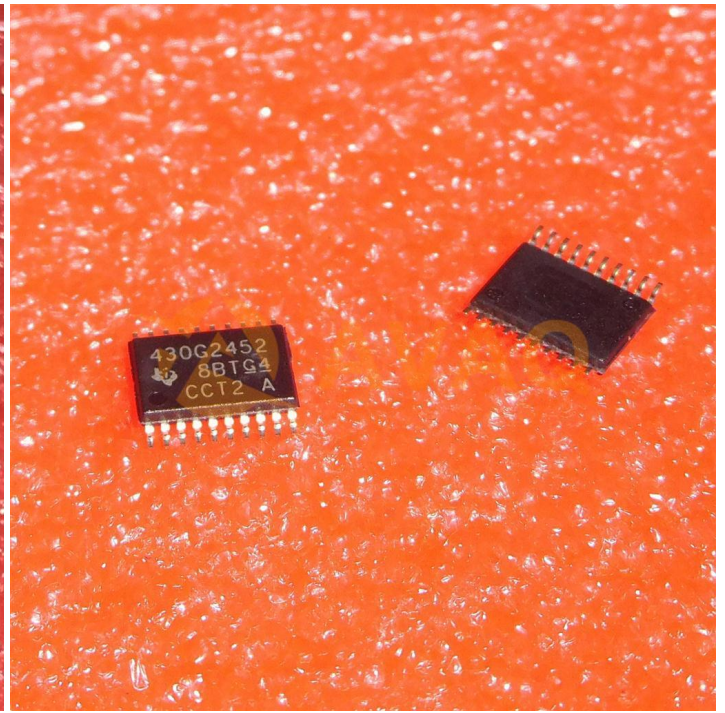
Images are for reference only

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### General Description

#### Key Features

- 16-bit RISC architecture, 62.5ns instruction cycle time
- Internal frequencies up to 16MHz with four calibrated frequencies
- Internal very-low-power low-frequency oscillator
- 32kHz Crystal
- External digital clock source
- Two 16-bit Timer\_A with 3 Capture/Compare registers
- Up to 16 Capacitive-touch enabled I/O pins
- Universal serial interface (USI) supporting SPI and I2C
- 10-bit 200ksps ADC with internal reference, sample-and-hold and autoscan
- On-chip comparator for analog
- Brownout detector
- Serial on-board programming
- No external programming voltage needed
- Programmable code protection by security fuse
- On-chip emulation logic with spy-bi-wire interface
- 220µA at 1MHz, 2.2V Active mode (AM) power consumption



## Recommended For You

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### **TMS320DM642AZNZ6**

Texas Instruments, Inc  
BGA

### **TMS320C31PQA40**

Texas Instruments, Inc  
QFP

### **TMS320C6726BRFP266**

Texas Instruments, Inc  
QFP144

### **MSP430F1471PM**

Texas Instruments, Inc  
QFP64

### **MSP430F1351PMR**

Texas Instruments, Inc  
LQFP64

### **TMS320DM648ZUID9**

Texas Instruments, Inc  
BGA

### **TMS320C203PZ80**

Texas Instruments, Inc  
QFP

### **MSP430G2231HPW14R**

Texas Instruments, Inc  
TSSOP14

### **TMS320F28027PTT**

Texas Instruments, Inc  
LQFP48

### **TMS5703137DZWTQQ1**

Texas Instruments, Inc  
NFBGA-337

### **TMS34010FNL-40**

Texas Instruments, Inc  
PLCC

### **TMS320C6670ACYP2A**

Texas Instruments, Inc  
FCBGA84

### **TMS320VC5402APGE16**

Texas Instruments, Inc  
LQFP-144

### **TMS320DM642AGDKA5**

Texas Instruments, Inc  
FCCSP(GDK)

### **TMS320C6424ZWT4**

Texas Instruments, Inc  
BGA