

MCU 16-bit MSP430 RISC 32KB Flash 2.5V/3.3V 40-Pin VQFN
EP T/R



Images are for reference only

[Inquiry](#)

Manufacturer:

[Texas Instruments, Inc](#)

Package/Case:

QFN-40

Product Type:

Embedded Processors & Controllers

RoHS:

RoHS Compliant/Lead free 

Lifecycle:

Active

General Description

Key Features

16-bit RISC architecture, 62.5ns instruction cycle time

Internal frequencies up to 16MHz with four calibrated frequencies to $\pm 1\%$

Internal very-low-power low-frequency oscillator

32kHz Crystal

High-frequency (HF) crystal up to 16MHz

Resonator clock

External digital clock source

External resistor

16-bit Timer_A with 3 Capture/Compare registers

16-bit Timer_B with 3 Capture/Compare registers

Enhanced UART supporting auto-baudrate detection (LIN)

IrDA Encoder and decoder

Synchronous SPI

10-bit 200ksps ADC with internal reference, sample-and-hold, autoscan and data transfer controller

Brownout detector

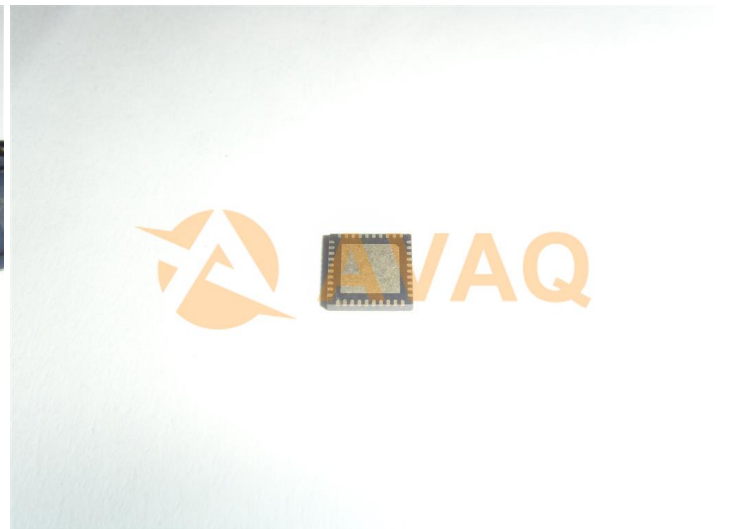
Serial on-board programming

No external programming voltage needed

Programmable code protection by security fuse

Bootstrap loader

On-chip emulation module



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)