

# SAK-TC234L-32F200N AC

## Overview

### Parametrics

Parametrics	SAK-TC234L-32F200N AC
A/D Input Lines	24
A/D Input Lines (incl. FADC)	24
CAN Nodes	6
Clock Frequency <b>max</b>	200.0 MHz
DMA Channels	16
DSP Functionality	yes
External Bus Interface	no
Fast Flash Programming	no
FlexRay™	yes
Floating Point Unit	yes
I/O Operation Voltages	3.3 V
Instruction Set Architecture	TriCore™ v1.6E (32-bit)

Parametrics	SAK-TC234L-32F200N AC
Instruction Width ([bits])	32/16
Number of ADC Modules	2.0
On-chip Clock Generation	yes
On-chip Voltage Regulator	yes
Oscillator Watchdog	yes
Program Memory	2.0 MByte
Real Time Clock	yes
SRAM (incl. Cache)	192.0 kByte
Temperature	-40°C - +125 °C
Touch/LED Matrix Control	no
Type of Memory	Flash
Watchdog Timer	yes

Documents

## Product Selection Guide

Order

Sales Product Name	SAK-TC234L-32F200N AC

<b>Sales Product Name</b>	<b>SAK-TC234L-32F200N AC</b>
<b>OPN</b>	TC234L32F200NACKXUMA1
<b>Product Status</b>	active and preferred
<b>Package name</b>	<b>PG-TQFP-144</b>
<b>Order online</b>	
<b>Completely lead free</b>	yes
<b>Halogen free</b>	yes
<b>RoHS compliant</b>	yes
<b>Packing Size</b>	1000
<b>Packing Type</b>	TAPE & REEL
<b>Moisture Level</b>	3
<b>Moisture Packing</b>	DRY

Boards

**5** out of **7** boards

Image	Board	Family	Description	Status

Image				
	<p>KIT_AURIX_TC233LP_S_TRB</p>	<p>Microcontroller</p>	<p>For evaluation of SAK-TC233L including Getting Started, free Tricore Entry Tool Chain , technical documentation, compiler and debugger. USB cable for power supply and extension board.</p> <ul style="list-style-type: none"> <li>• Evaluation Board</li> <li>• Extension Board</li> <li>• Free TriCore Entry Tool Chain</li> <li>• Power Supply</li> <li>• TC233L</li> <li>• USB cable</li> </ul>	<p>on request</p>


Image				
	KIT_AURIX_TC233LP_TRB	Microcontroller	<p>For evaluation of SAK-TC233LF including Getting Started, free Tricore Entry Tool Chain , technical documentation, compiler and debugger. USB cable for power supply and extension board.</p> <ul style="list-style-type: none"> <li>• Evaluation Board</li> <li>• Extension Board</li> <li>• Free TriCore Entry Tool Chain</li> <li>• Power Supply</li> <li>• TC233L</li> <li>• USB cable</li> </ul>	on request


Image				
	<p>KIT_AURIX_TC234_MOTORCTR</p>	<p>Microcontroller</p>	<p>With the Application Kit TC2x4, TC2x5 or TC2x7 it allows to drive a 3 Phase brushless motor. Applications can be developed easily. The eMotor Drive Kit is equipped with a variety of interfaces for position detection and current measurement. Additionally a driver IC (TLE9180) and a complete B6 bridge driver allow spinning a motor up to 50Watt.</p> <ul style="list-style-type: none"> <li>• AURIX™</li> </ul>	<p>active and prefe</p>


Image				
	KIT_AURIX_TC234_TFT	Microcontroller	Low-cost and flexible application development platform for the 32-bit AURIX™ multi-core TriCore™ family. <ul style="list-style-type: none"><li>• SAK-TC234LP-32F200F</li></ul>	on request

Image				
	KIT_AURIX_TC234LP_TRB	Microcontroller	<p>For evaluation of SAK-TC234LF including Getting Started, free Tricore Entry Tool Chain , technical documentation, compiler and debugger. USB cable for power supply and extension board.</p> <ul style="list-style-type: none"> <li>• Evaluation Board</li> <li>• Extension Board</li> <li>• Free TriCore Entry Tool Chain</li> <li>• Power Supply</li> <li>• TC234L</li> <li>• USB cable</li> </ul>	on request

[Show all boards](#)