Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
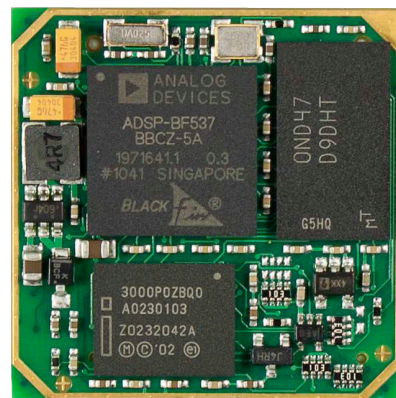
Contact us

TCM-BF537

Blackfin® Core Module

The Tiny Core Module TCM-BF537 is optimized for performance and size. The module integrates processor, RAM, flash and power supply at a size of 28x28mm! It is based at the high performance ADSP-BF537 from Analog Devices. The Core-Module is designed for industrial usage (industrial temperature range). It addresses 32MByte SDRAM via its 16bit wide SDRAM bus and has an onboard NOR-flash of 8/64MByte.

Features

CPU		Analog Devices BF537 @ 500MHz
RAM		32MByte SDRAM up to 133MHz
FLASH*		8/64MByte
INTERFACES	**CAN**	1
	ETHERNET	1x10/100 MBit Ethernet MII/RMII
	PPI	1
	SPI	1
	SPORT	1
	TWI/I²C	1
	UART	2
ADDITIONAL FEATURES		Single 3.3V supply voltage On-board core voltage regulator Low voltage reset circuit
TEMP. RANGE		-40 to +85 °C
VERSIONS*		Connector, Ball Grid Array, Border Pad
DIMENSIONS		28x28mm

* depends on version - see ordering information

Development Support

- »   EVAL-BF5xx Evaluation Board
- »   DEV-BF5xx Development Board
- »   DEV-BF5xxDA-Lite Development Board
- »   BLACKSheep® OS
- »   uClinux Port available

Applications

- »   Robotics
- »   Industrial distributed control
- »   Industrial factory automation
- »   Industrial handheld applications
- »   Biometrics/security
- »   Instrumentation
- »   Medical appliances
- »   Consumer appliances

Ordering Information

Order No.	Info
100-1225-1	TCM-BF537-C-I-Q25S32F8 (TCM-BF537)
100-1226-1	TCM-BF537-B-I-Q25S32F8 (TCM-BF537BP)
100-1227-1	TCM-BF537-A-I-Q25S32F8 (TCM-BF537BGA)
100-1228-1	TCM-BF537-B-I-Q25S32F64 (TCM-BF537BP-64)

BLUE TECHNIX