

TCM-BF537

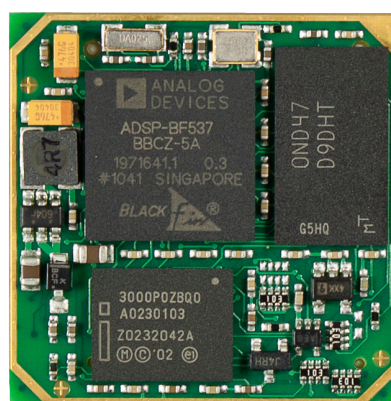
Blackfin® Core Module

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

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)

Applications

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

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