

CM-BF527

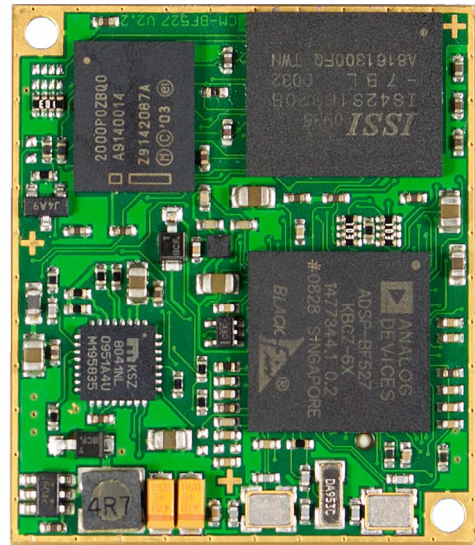
Blackfin® Core Module

The CM-BF527 is optimized for performance and functionality. The module integrates processor, RAM, flash, external peripheral controllers and power supply at a size of 31.5x36.5mm! It is based on the high performance ADSP-BF527 from Analog Devices. The Core Module is designed for commercial usage (commercial temperature range). It addresses up to 64MByte SDRAM via its 16bit wide SDRAM bus and has an onboard NOR-flash of 8MByte. The processor features a built in USB-OTG 2.0 unit and has the physical Ethernet transceiver onboard.

Features

| | | |
|----------------------------|--|------------------------|
| CPU | Analog Devices BF527 @ 600MHz | |
| RAM* | 32/64MByte SDRAM up to 133MHz | |
| FLASH | 8MByte | |
| INTERFACES | ETHERNET | 1x10/100 Mbit Ethernet |
| | PPI | 1 |
| | SPI | 1 |
| | SPORT | 2 |
| | TWI/I²C | 1 |
| | UART | 2 |
| | USB 2.0 | 1 (OTG) |
| ADDITIONAL FEATURES | Single 3.3V supply voltage On-board core voltage regulator Low voltage reset circuit NAND Flash Interface | |
| TEMP. RANGE | 0°C to +70°C | |
| VERSIONS | Connector | |
| DIMENSIONS | 31x36mm | |

* 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 |
|------------|---------------------------------------|
| 100-1253-2 | CM-BF527-C-C-Q50S32F8 (CM-BF527) |
| 100-1254-2 | CM-BF527-C-C-Q50S64F8 (CM-BF527-64SD) |

Applications

- » Mobile Embedded Device
- » Network connected embedded system
- » Industrial control
- » Voice over IP (VoIP)
- » Multi-media application processor
- » Multi-media accessories - e.g. docks
- » Networked audio
- » Instrumentation
- » Imaging

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