

NEWSPACE MARKET · COMPANY PROFILE

NTC Module

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PRODUCTS

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as of 26 September 2026



NTC Module

NTC Module (АО «НТЦ «Модуль») — Russian space industry enterprise, Moscow.
Its products listed on NewSpace Market come from the Glavkosmos export catalogue.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

PRODUCTS

Product catalogue



NTC MODULE

Digital signal Processor 1879 VM 6Y

The 1879 BM 6Y is a high-performance digital signal processor featuring a VLIW/SIMD architecture with two NMC4 processor cores, each containing a RISC processor and two 64-bit copr

Type of shell	HSBGA-544L
Supply voltage	cores — 1.0 V; peripherals CMOS — 3.3 V; peripherals SSTL — 1.8 V
Leakage current	low level at the input of the CMOS buffer: 10 µA (UIL = 0 V, UCC1 = 3.6 V); high level at
Working temperature	-45 +85 °C
Technology	CMOS 90 nm
Type of acceptance	5
Frequency	500 MHz

price on request



NTC MODULE

Integrated Circuit 1879 VM8Y

28 nm CMOS heterogeneous computing microcircuit with ARM Cortex-A5 core for real-time video, radar and neural-network processing.

Package type	HFCBGA-1444
Supply voltage	Core 0.9 V; CMOS I/O 1.8 V; DDR3 I/O 1.5 V
Dynamic current consumption	CMOS buffers: 3 A (UCC1=1.98 V); DDR3 buffers: 3.8 A (UCC2=1.60 V)
Operating temperature	-60°C to +85°C
Technology	CMOS 28 nm
Frequency	ARM Cortex-A5: 800 MHz; NMC4: 1000 MHz

price on request



NTC MODULE

Integrated Circuit 1888 TX 018

High-performance VLSI MIVEM multimedia SoC (CMOS 28 nm, HFCBGA-1024, 800 MHz PowerPC + 400 MHz NMC3, -50 to +70 °C) for onboard video/audio processing and ARINC 818.

Purpose	Onboard multimedia processing, video/audio encoding/decoding, ARINC 818 interface switchin
Technology	CMOS 28 nm
Package	HFCBGA-1024
Acceptance type	5
Operating temperature	-50 to +70 °C
Powerpc processor core frequency	800 MHz
Nmc3 / multimedia / memory / high-speed interface frequency	400 MHz

TRL 8 price on request



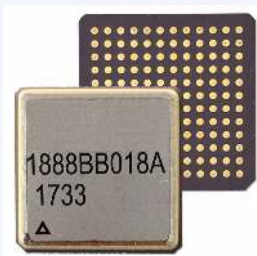
NTC MODULE

Multicontroller 1888 BC 048

The Multicontroller 1888 BC 048 is a microelectronic component designed for creating small-sized integrated on-board information and control systems (BIUS). It features various int

Type of shell	HFCBGA-676
Supply voltage +3,3 v	for CMOS I / 0 buffers;
Supply voltage +0,9 v	core voltage;
Supply voltage +0,9 v (2)	for PLLs and transceivers for PCIe and SGMII interfaces;
Supply voltage +1,35 v	supply voltage of DDR3 I / 0 buffers;
Supply voltage +1,8 v	general power for the analog part of the PCIe interface, power for the SGMII I / 0 buffers
Supply current	Static Ucc2: 1000 mA (Ucc1 = 3.465 V, Ucc2 = 0.945 V); Dynamic UCC2: 5000 mA (Ucc1 = 3.465

TRL 8 price on request



NTC MODULE

PCI Express Chip 1888 BB 018 A

The 1888 BB 018 A is a PCI Express physical interface device chip designed to expand the functionality of interface modules and devices by supporting the high-speed PCI Express sta

Type of shell	MK8306-144-1
Supply voltage	I / 0 buffers – 1.8 V to 3.3 V; cores: 1.25 V; I / 0 blocks: 1.2 V; clock generation circu
Dynamic current consumption for the power circuit	UDDD1: 3.5 mA; UDDA2: 15 mA; UDDD2: 320 mA; UDDD3: 30 mA; UDDA1: 85 mA; UDD: 50 mA;
Working temperature	-60 +85 °C
Technology	CMOS 130 nm
Type of acceptance	5

TRL 8 price on request

Contact NTC Module

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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