



Renesas- R0K330879S001BE - R0K330879S001BE Starter Kit

Product Overview:

The Renesas Starter Kit for M32C/87 is intended as a user-friendly introductory and evaluation tool for the M32C/87 microcontroller. The board also provides a useful platform for evaluating the Renesas suite of development tools for coding and debugging, using High-performance Embedded Workshop as well as programming the device using E8a emulator and/or Flash Development Toolkit.

The Renesas Starter Kit for M32C/87 may be connected to the host PC using a simple RS232 serial connection (not normally fitted) or via the included USB E8a on chip debugging interface.

The purpose of the board is to enable the user to evaluate the capabilities of the device and its peripherals by giving the user a simple platform on which code can be run only minutes from opening box. It can also prove an invaluable tool in development by providing a useful test platform for code already debugged using one of our more powerful emulation tools.



Kit Contents:

- CPU Board
- Detachable LCD Display Module
- Detachable AD Adjustment Shaft
- E8a Emulator
- Connection Cable (USB Cable, User Interface Cable)
- Quick Start Guide
- CD-ROM
 - Documents : User Manual, Tutorial, and more
 - IDE : High-performance Embedded Workshop

- C Compiler : M3T-NC308WA Evaluation Version
- Debugger : E8a Emulator Debugger
- Flash Memory Programmer : Flash Development Toolkit Evaluation Version

Key Features:

- Clock Synchronous / Asynchronous Serial Interface: 7 channels*
- 10-bit A/D Converter: 34 channels*
- 8-bit D/A Converter: 2
- DMAC: 4 channels
- DMAC II: Can be activated by all peripheral function interrupt factors
- Intelligent I/O
 - Time Measurement (Input Capture) Function: 16-bit x 8 channels
 - Waveform Generating (Output Compare) Function: 16-bit x 16 channels*
 - Communication Function
 - 2-phase Pulse Signal Processing (2-phase encoder input)
- CAN (2.0B)
- CRC Calculation Circuit
- X/Y Converter
- Watchdog Timer
- Clock Generation Circuits: Main Clock Generation Circuit, Sub Clock Generation Circuit, On-chip Oscillator, PLL Synthesizer
- Oscillation Stop Detection Function
- Power Supply Voltage Detection
- ROM Correction Function
- I/O Ports: 123*
- External Interrupt Pins: 14*
- Data Flash: 4KB (Flash Memory Version only)

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
R0K330879S001BE	Renesas	1677730	40P3211

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
M30879FLGP#U3	Renesas	MCU, 32BIT, M32C/87, 100LQFP	1677797	40P3122

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
R0K33062PS001BE	Renesas	Starter Kit for RSKM16C62P	M16C/62P	1677729	40P3210
R0K330879S001BE	Renesas	Starter Kit for M32C/87	M30879FLGP	1677730	40P3211
R0K436079S000BE	Renesas	Starter Kit for H8/36079	HD64F36079GFZ	1677732	40P3212
DM300027	Microchip	DEVELOPMENT BOARD KIT, 16-BIT	PIC24 / dsPIC30F	1367272	39M8082

Document List:

Datasheets:

Part Number	Description	Size
R0K330879S001BE	Starter kit RSKM32C87	459 KB
M32C/87 Group	The M32C/87 Group (M32C/87, M32C/87A, M32C/87B) single-chip control MCU	2.33 MB

Application Notes:

File Name	Size
M32C/87 Group	-

Hardware & Software:

File Name	Size
Renesas Starter Kit for M16C/62P, M16C/6NK & M32C/87 CPU Board Schematic	108 KB

Others Resources:

File Name	Size
Renesas Starter Kit for M32C/87	-