

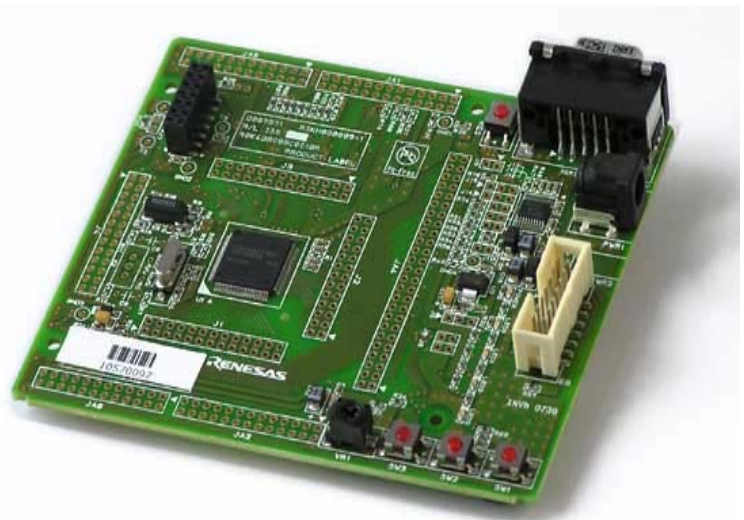


Renesas - R0K436079S000BE - Evaluation Kit

Product Overview:

The Renesas Starter Kit for H8/38099 is intended as a user-friendly introductory and evaluation tool for the H8/38099 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 H8/38099 may be connected to the host PC using a simple RS232 serial connection 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 Content:

- 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/C++ Compiler : C/C++ Compiler Package for H8SX, H8S, H8 Families Evaluation Version
 - Debugger : E8a Emulator Debugger
 - Flash Memory Programmer : Flash Development Toolkit Evaluation Version

Key Features:

- On-chip flash memory
- World class low-power consumption
- Much shorter oscillator stabilization time (than previous models)
- On-board debugging function
- Large-capacity ROM

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
R0K438099S000BE	Renesas	1677733	40P3213

Associated Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
RAPC712X	Switch Craft	DC Power Jack	Jack Socket, DC	1608726	65K7785
3386F-1-103TLF	Bourns	TRIMMER, 10K	Potentiometer	9354565	62J2093
3-338168-2	Tyco Electronics / AMP	PLUG, D, 40-40UNC, 9WAY	Connector	3417128	60H6369

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
R0K436079S000BE	Renesas	Starter Kit for, H8/36079	HD64F36079GFZ	1677732	40P3212
R0K561648S000BE	Renesas	Starter Kit for H8SX/1648F	R5F61648N50FP V	1677740	40P3220
R0K561664S001BE	Renesas	Starter Kit for H8SX/1664F	R5F61664N50FP V	1677741	40P3221
R0K571242S001BE	Renesas	Starter Kit for SH7124	R5F71242D50FP	1677744	40P3223
R0K572011S001BE	Renesas	KIT,	R5S72011B120F	1677745	40P3224

		STARTER, SH7201	P		
R0K570865S001BE	Renesas	Starter Kit for SH7086	R5F70865AD80F PV	1677742	40P3222
R0K572115S001BE	Renesas	Starter Kit for SH7211	R5F72115D160F PV	1677747	40P3226
C8051F060DK	Silicon Laboratories	DEVELOPME NT KIT, 16-BIT, 100TQFP	C8051F060, C8051F061, C8051F062 and more	1291469	24M1204
DM240311	Microchip	BOARD, DEV, 16BIT, NANOWATT XLP		1761254	34R3422
DM300027	Microchip	DEVELOPME NT BOARD KIT, 16-BIT, 28-PIN	PIC24	1367272	39M8082
APS12DT256SLK	Freescale Semiconductor	16-BIT HCS12DT256 STUDENT LEARNING KIT	HCS12DT256	1718220	27M3586
EVB9S12XEP100	Freescale Semiconductor	Evaluation Board for the 16-bit MC9S12XE and XS-Families	MC9S12XEP100	1437330	01M5533
LFEB512UBLAB.	Freescale Semiconductor	16-bit HCS12 DG128 Learning Kit	MC9S12DG128	1535874	01M5577

Document List:

Datasheets:

Part Number	Description	Size
HD64F38099FP	H8/38099 Group Hardware Manual	5121KB
RJJ99J0035-0010	Renesas Starter Kit for H8/38099 CPU Board Schematics	81KB
REJ10J1531-0100	Renesas Starter Kit for H8/38099 Quick Start Guide	194KB

REJ10J1530-0100	Renesas Starter Kit for H8/38099 Tutorial Manual	231KB
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Application Notes:

File Name	Size
H8/300H Series On-Chip Supporting Modules Application Note	2026 KB
Compiler Package Application Note Call Walker	335 KB
H8S H8/300 Series C/C++ Compiler Package Application Note	5449 KB
HI Series RTOS Application Note	3076 KB
Flash Development Toolkit Application Note (Introduction)	2746 KB
H8/300H Tiny Series E8 Emulator Application Note Programming of On-Chip Flash Memory	1806 KB
Differences between Normal and Advanced Modes in Programming Method on Super Low Power Microcontrollers	663 KB
Example of Driving an MCU from a Low-Voltage Power Supply by Using a Step-Up DC/DC Converter and Start-Up IC	78 KB
Sensor Connection with Low Supply Current Using Comparator and A/D Converter	163 KB
Setting the Waiting Time to Cover Clock Stabilization (Timing of Reset Release and Setting of Wait States)	80 KB
H8/300H SLP Series Application Note Address Break	173 KB
H8/300H SLP Series Application Note Clock Output Using RTC Clock Output Function	153 KB

Hardware & Software:

File Name	Size
H838099 Renesas Starter Kit Sample Code	47KB
M3S-TFS-Tiny: Original File System Software for Microcontrollers	428 KB
H8/300H Tiny Compact Emulator Operating Back Trace ([Trace] Window)	1141 KB
H8/300H Tiny Compact Emulator Using GUI I/O Functions	987 KB
E8 Emulator Application Notes Introductory Guide for H8/300H Tiny	1525 KB
Flash Development Toolkit Application Note (Introduction)	2746 KB