RENESAS

Renesas - R0K561648S000BE Starter Kit

Product Overview:

The Renesas Starter Kit for H8SX/1648F is intended as a user-friendly introductory and evaluation tool for the H8SX/1648 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 E10A emulator.

The Renesas Starter Kit for H8SX/1648F may be connected to the host PC using a simple RS232 serial connection or via the included USB E10A 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

- E10A-USB for Starter Kit

- Connection Cable (USB Cable, User Interface Cable)

- Multi region 5V power supply

- 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 : E10A-USB Emulator Debugger

Notes: E10A-USB for Starter Kit is a special emulator for only Renesas Starter Kit products.

The C/C++ Compiler Package for H8SX, H8S, H8 Families Evaluation Version does not come with technical support services. In addition, The C/C++ Compiler Package for H8SX, H8S, H8 Families Evaluation Version has some restrictions compared to the Product Version

Trial period: 60 days
The link size will be limited to 64KB after 60 days.

Key Features:

- Renesas Microcontroller Programming.
- User Code Debugging.
- User Circuitry such as Switches, LEDs and potentiometer.
- User or Example Application.
- Sample peripheral device initialisation code.

Ordering Information

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
R0K561648S000BE	Renesas	1677740	40P3220

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
SN74HC74D	TI	Flip Flop Logic IC	9591680	08F6568
LM1117MPX-3.3/NOPB	NS	Voltage Regulator IC	1652313	41K3476
CY8CLED04D01-56LTXI	Renesas	MCU, 32BIT, H8SX/1648F, 144LQFP	1677794	40P3257

Document List:

Datasheets:

Part Number	Description	Size
R5F61648N50FPV	MCU, 32BIT, H8SX/1648F, 144LQFP	8.49MB
LM1117MPX-3.3/NOPB	LINEAR VOLTAGE REGULATOR	925KB
SN74HC74D	D-TYPE FLIP-FLOP, SMD	727KB

Application Notes:

File Name	Size
Renesas Starter Kit for H8SX/1648 Quick Start Guide	748KB
Renesas Starter Kit for H8SX/1648 Tutorial Manual	423KB
Renesas Starter Kit for H8SX/1648 User's Manual	579KB
H8SX1648 Renesas Starter Kit Sample Code -DMAC	46.8KB
H8SX1648 Renesas Starter Kit Sample Code -A/D Converter	46.8KB
H8SX1648 Renesas Starter Kit Sample Code - Timer	46.8KB
H8SX1648 Renesas Starter Kit Sample Code - Watchdog Timer	46.8KB
H8SX1648 Renesas Starter Kit Sample Code - Serial Interface	46.8KB
H8SX1648 Renesas Starter Kit Sample Code - I2C-bus	46.8KB
H8SX1648 Renesas Starter Kit Sample Code - Starter-Kits	46.8KB

Hardware & Software:

File Name	Size
Renesas Starter Kit for H8SX/1648 CPU Board Schematics	128KB
Evaluation Software C/C++ Compiler Package for H8SX,H8S,H8 Family V.7.00 Release 00	-