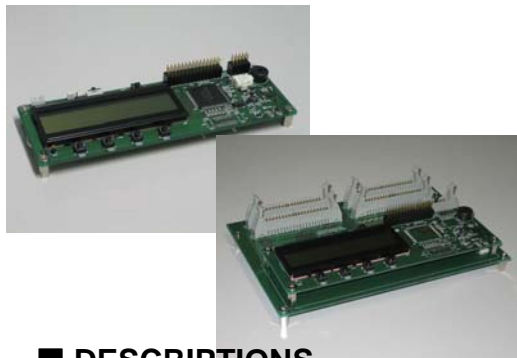


S5U1C6F632T1100

S5U1C6F632T2100 (SVT6F632)

EPSON
EXCEED YOUR VISION

Software eValuation Tool for S1C6F632



- STN LCD panel (display size: 48 x 32 common B/W)
- Temperature sensor / Humidity sensor / Luminance sensor / Pressure sensor
- Extended connector (General purpose I/O port)
- Key input circuit (four keys available)
- Build-in ICE interface (S5U1C6F632T2)

■ DESCRIPTIONS

The S5U1C6F632T1/T2 (SVT6F632: Software eValuation Tool for S1C6F632) are evaluation boards for the S1C6F632 single-chip microcomputer made by Seiko Epson. These boards feature a circuit structure designed for the Weather Center, which is an example of one of S1C6F632's applications. The S1C6F632's internal circuit functions can drive a 48 seg. x 32 com LCD, measure temperature and humidity, and produce a buzzer output. Equipped with an external pressure sensor and an illumination sensor (the S5U1C6F632T1/T2 boards provide power-saving control based on weather forecasts and illumination intensity).

The SVT6F632 comes with two types of boards: S5U1C6F632T1 and S5U1C6F632T2. The S5U1C6F632T1 is capable of standalone operations, while the S5U1C6F632T2 can connect to the In-Circuit Emulator (ICE63:S5U1C63000H) for software debugging. Each board is provided with an expansion connector to allow clients to connect custom boards.

■ FEATURES

● S5U1C6F632T1

- | | |
|-------------------------------|--|
| 1) CPU | S1C6F632 (mask option specification: Standard Type B) |
| 2) Input power supply voltage | +3.0 V(DC), supplied by coin cell (CR2032) or external power source(+5.0V) |
| 3) CPU clock | OSC1: 32.768 Hz (crystal oscillator), OSC3: 4 MHz (ceramic oscillator) |
| 4) Functions/devices | Reset switch, Switch input (4 keys)
USB-Serial on Board Writer connector (CN1),
Expansion connector and board pattern (CN2, CN3)
Temperature and humidity sensors, Pressure sensor, Illumination sensor, Piezo buzzer
STN LCD panel (128 seg. x 32 com, black and white)
* Effective display area: 48 seg. x 32 com |

● S5U1C6F632T2

- | | |
|-------------------------------|---|
| 1) CPU | S1C6F632 (operated by ICE63) |
| 2) Input power supply voltage | +3.3 V(DC), supplied from ICE63 through I/O cable |
| 3) CPU clock | OSC1: 32.768 Hz, OSC3: 4 MHz (based on oscillation frequency adjustment on ICE63) |
| 4) Functions/devices | Reset switch, Switch input (4 keys)
Expansion connector and board pattern (CN2, CN3)
Pressure sensor, Illumination sensor, Piezo buzzer
STN LCD panel (128 seg. x 32 com, black and white)
* Effective display area: 48 seg. x 32 com |

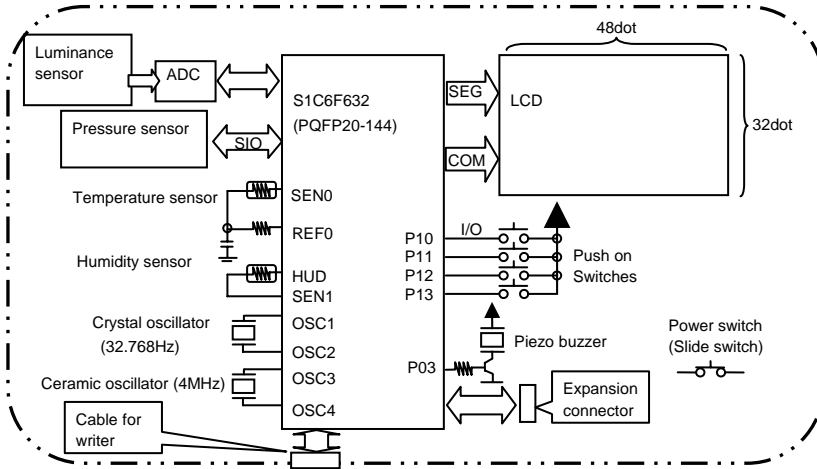
■ User site list of sample programs (coming soon)

- | | |
|------------------------------------|---------------------------|
| • Clock timer | • HALT/SLEEP instructions |
| • LCD driver | • Integer multiplier |
| • Oscillation circuit | • I/O ports |
| • Programmable timer | • R/f converter (AC) |
| • R/f converter (DC) | • Sound generator |
| • Supply voltage detection circuit | • Stop watch timer |
| • Watch dog timer | |

S5U1C6F632T1100

S5U1C6F632T2100 (SVT6F632)

■Block diagram



S5U1C6F632T1

■Connection diagram

	<p>S5U1C63000A2 (S1C63Family assembler package 2)</p>	<p>S5U1C88000W4 (USB-Serial on Board Writer)</p> <p>S5U1C6F632T1</p>
	<p>S5U1C63000A2 (S1C63Family assembler package 2)</p>	<p>S5U1C63000H (ICE63)</p> <p>S5U1C6F632T2</p>

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SEIKO EPSON CORPORATION

SEMICONDUCTOR OPERATIONS DIVISION

IC Sales Department
 IC International Sales Group
 421-8 Hino, Hino-shi, Tokyo 191-8501, JAPAN
 Phone: 042-587-5814 FAX: 042-587-5117

■ EPSON Electronic devices Website

http://www.epson.jp/device/semicon_e/

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