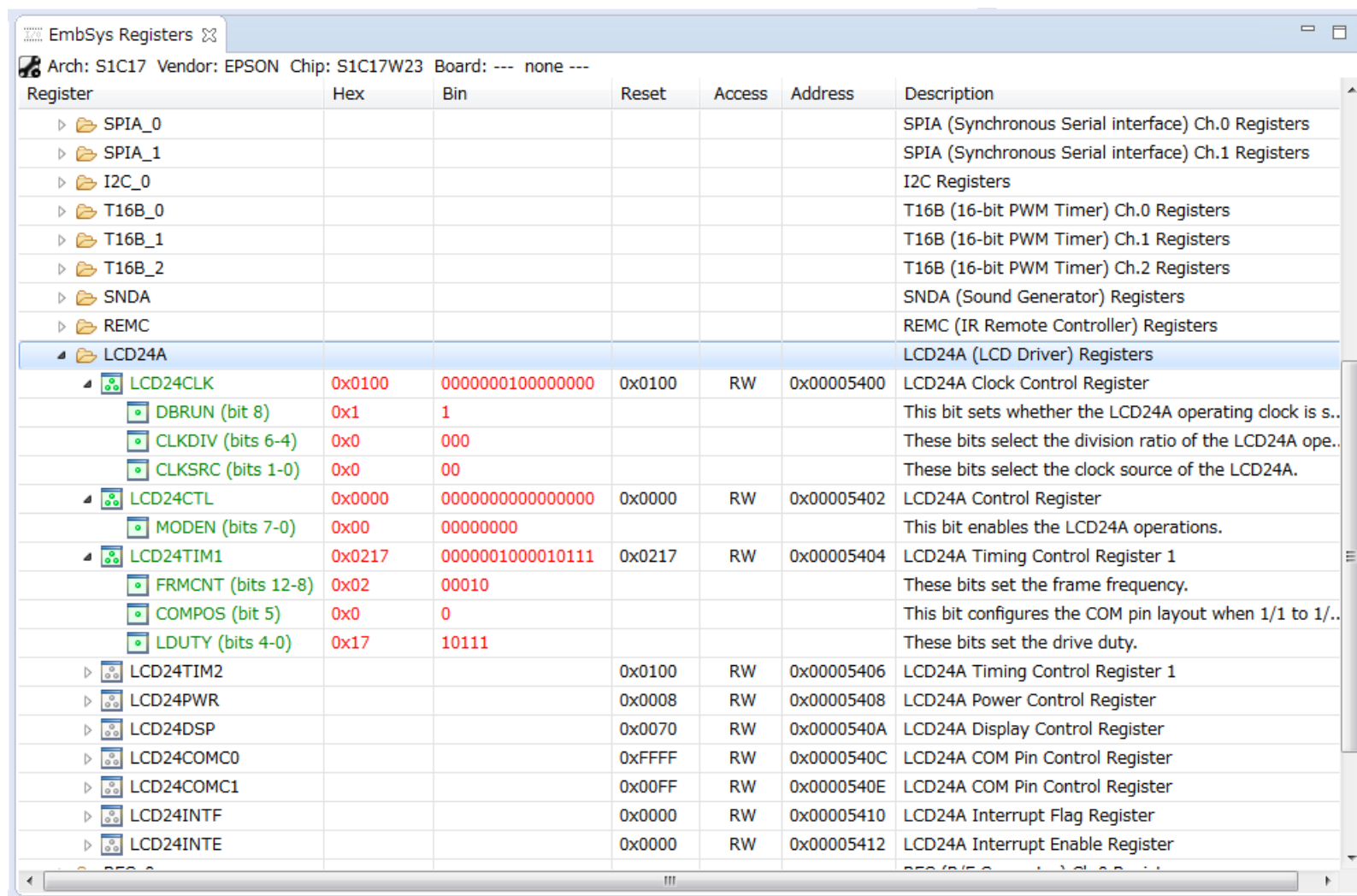


EmbSys Registers の使い方

デバッグ時のレジスタ値参照に便利な機能です。

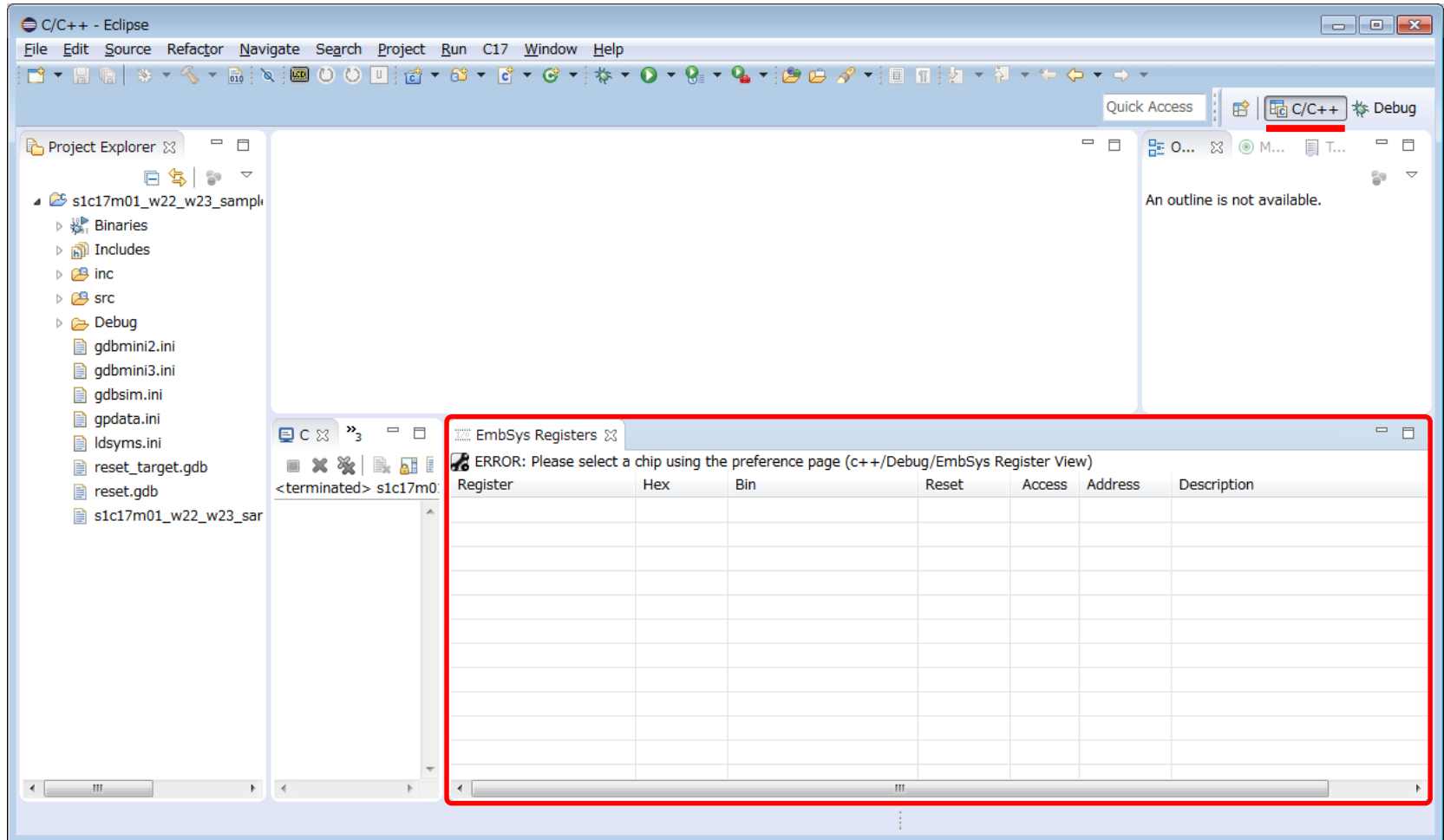
現在の値だけでなく、初期値、R/W属性などの情報も合わせて参照可能です。



Arch: S1C17 Vendor: EPSON Chip: S1C17W23 Board: --- none ---

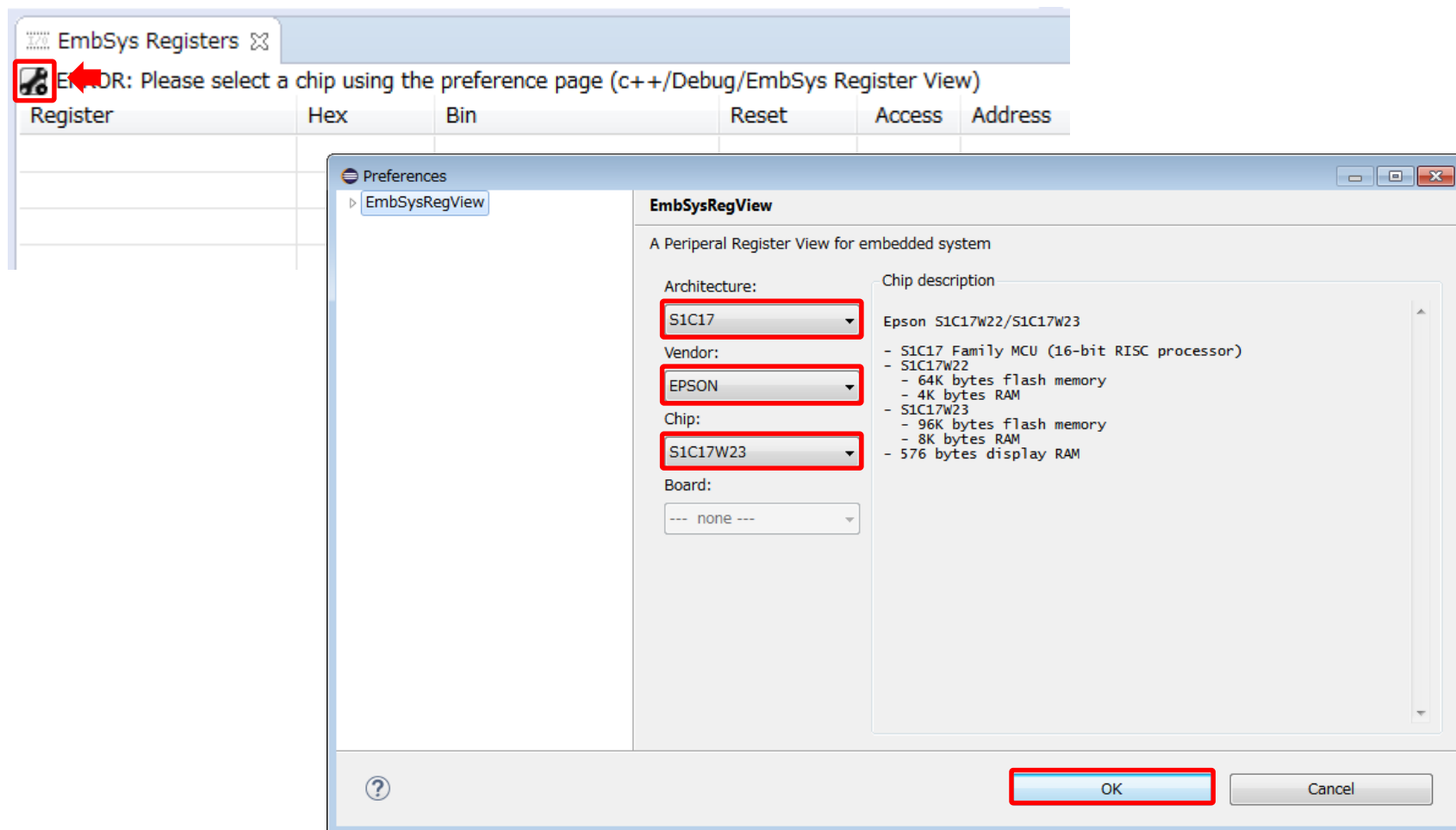
Register	Hex	Bin	Reset	Access	Address	Description
▶ SPIA_0						SPIA (Synchronous Serial interface) Ch.0 Registers
▶ SPIA_1						SPIA (Synchronous Serial interface) Ch.1 Registers
▶ I2C_0						I2C Registers
▶ T16B_0						T16B (16-bit PWM Timer) Ch.0 Registers
▶ T16B_1						T16B (16-bit PWM Timer) Ch.1 Registers
▶ T16B_2						T16B (16-bit PWM Timer) Ch.2 Registers
▶ SNDA						SNDA (Sound Generator) Registers
▶ REMC						REMC (IR Remote Controller) Registers
▲ LCD24A						LCD24A (LCD Driver) Registers
▶ LCD24CLK	0x0100	0000000100000000	0x0100	RW	0x00005400	LCD24A Clock Control Register
▶ DBRUN (bit 8)	0x1	1				This bit sets whether the LCD24A operating clock is s..
▶ CLKDIV (bits 6-4)	0x0	000				These bits select the division ratio of the LCD24A ope..
▶ CLKSRC (bits 1-0)	0x0	00				These bits select the clock source of the LCD24A.
▶ LCD24CTL	0x0000	0000000000000000	0x0000	RW	0x00005402	LCD24A Control Register
▶ MODEN (bits 7-0)	0x00	00000000				This bit enables the LCD24A operations.
▶ LCD24TIM1	0x0217	0000001000010111	0x0217	RW	0x00005404	LCD24A Timing Control Register 1
▶ FRMCNT (bits 12-8)	0x02	00010				These bits set the frame frequency.
▶ COMPOS (bit 5)	0x0	0				This bit configures the COM pin layout when 1/1 to 1/..
▶ LDUTY (bits 4-0)	0x17	10111				These bits set the drive duty.
▶ LCD24TIM2			0x0100	RW	0x00005406	LCD24A Timing Control Register 1
▶ LCD24PWR			0x0008	RW	0x00005408	LCD24A Power Control Register
▶ LCD24DSP			0x0070	RW	0x0000540A	LCD24A Display Control Register
▶ LCD24COMC0			0xFFFF	RW	0x0000540C	LCD24A COM Pin Control Register
▶ LCD24COMC1			0x00FF	RW	0x0000540E	LCD24A COM Pin Control Register
▶ LCD24INTF			0x0000	RW	0x00005410	LCD24A Interrupt Flag Register
▶ LCD24INTE			0x0000	RW	0x00005412	LCD24A Interrupt Enable Register

1. デフォルトでは、[C/C++]パースペクティブに[EmbSys Registers]ビューがあります。

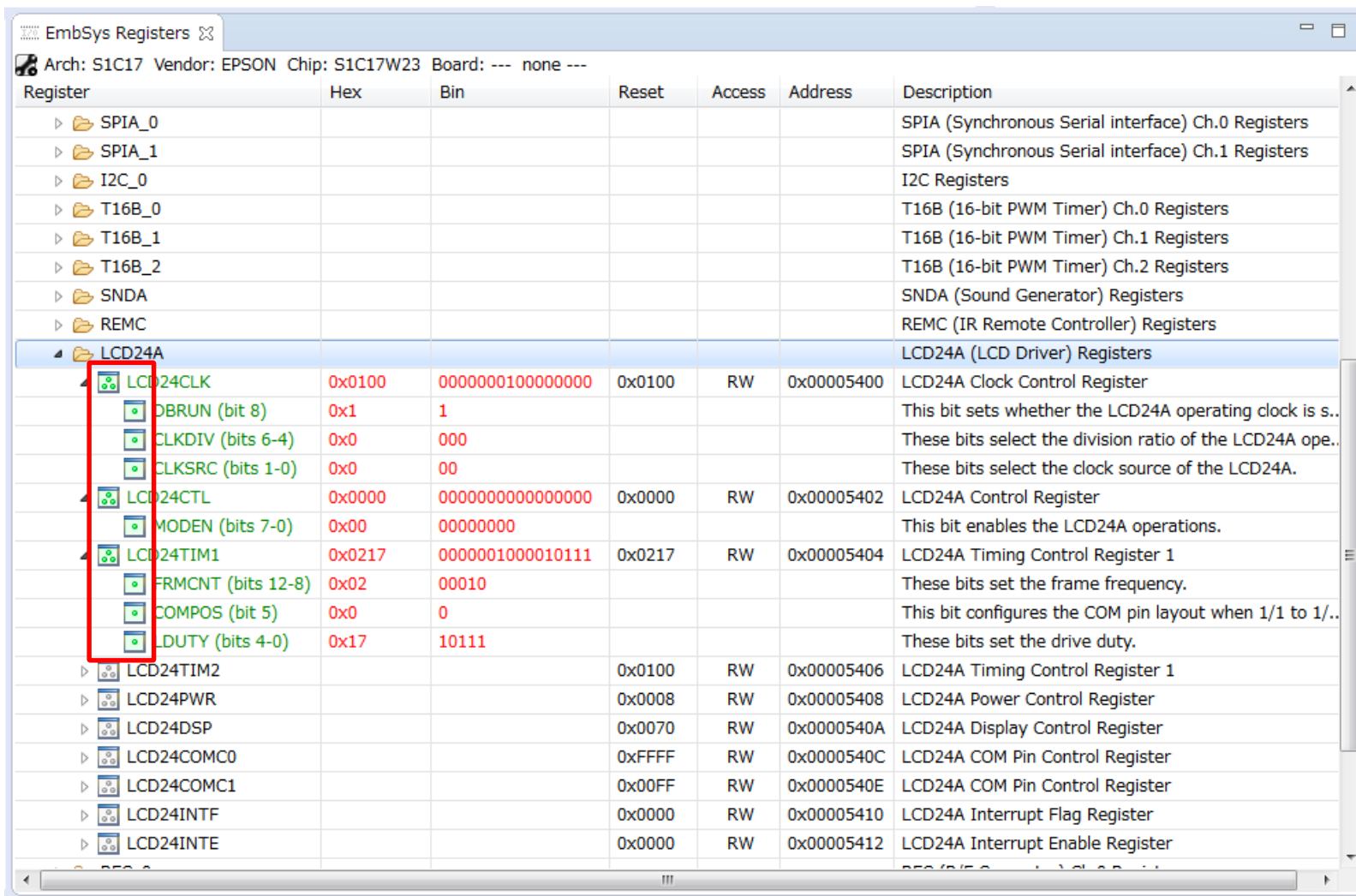


EmbSys Registers の使い方

2. ターゲット機種の設定を行います。左上の設定アイコンを押してください。
3. ターゲットMCUに合わせArchitecture/Vendor/Chipを設定してください。
4. 最後に[OK]ボタンを押します。



5. 表示するレジスタのアイコンをダブルクリックし、アクティブ（緑色）にします。



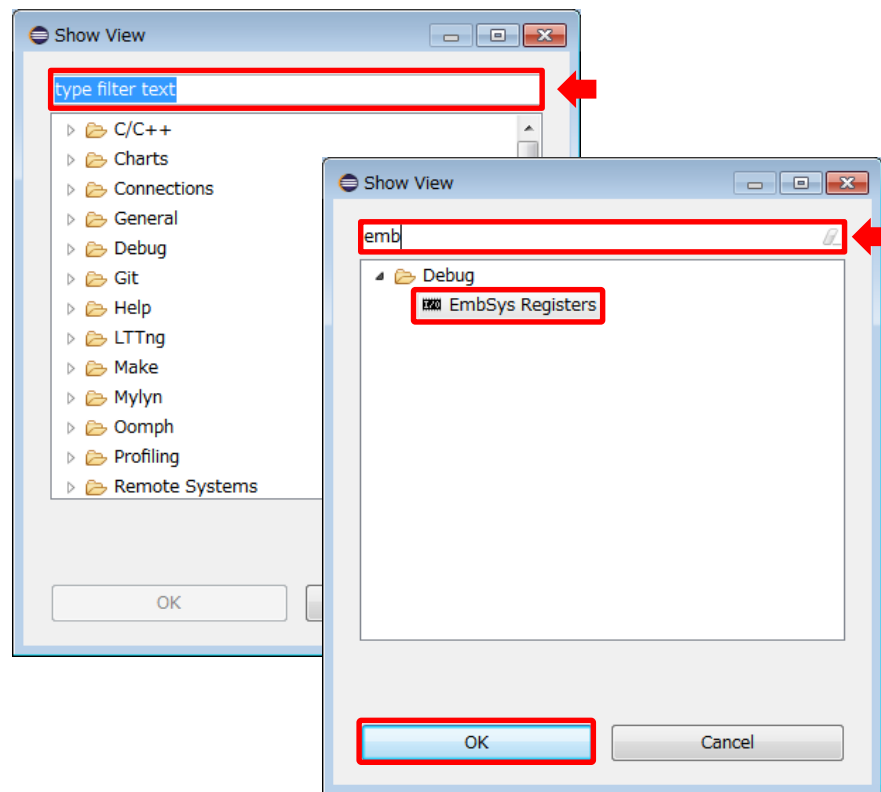
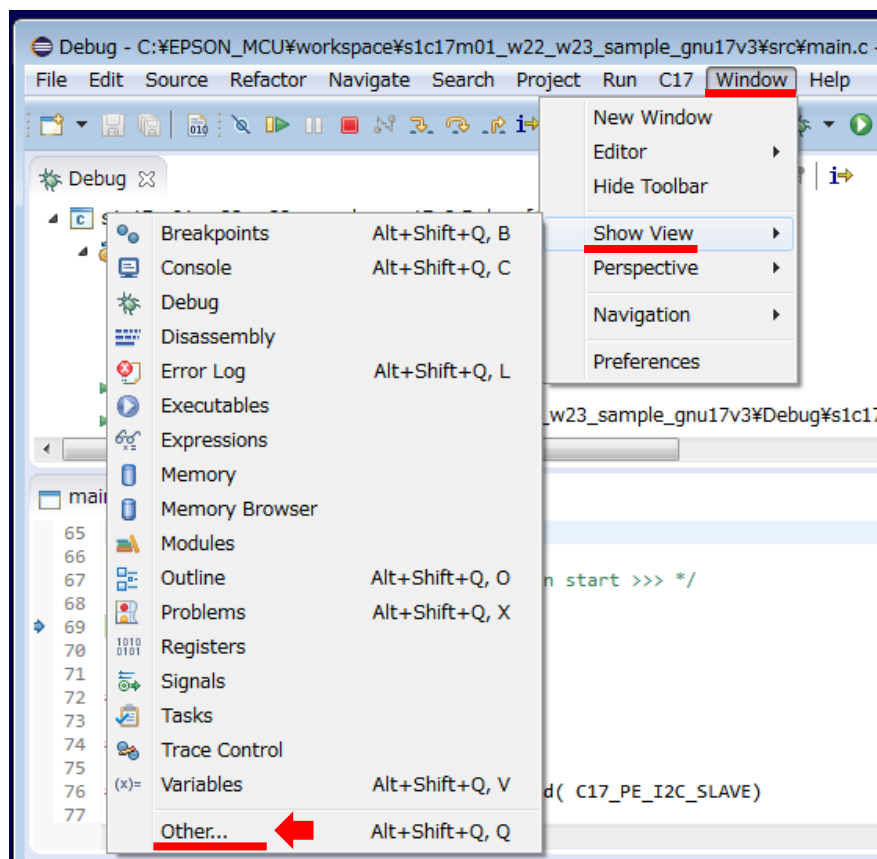
Arch: S1C17 Vendor: EPSON Chip: S1C17W23 Board: --- none ---

Register	Hex	Bin	Reset	Access	Address	Description
▶ SPIA_0						SPIA (Synchronous Serial interface) Ch.0 Registers
▶ SPIA_1						SPIA (Synchronous Serial interface) Ch.1 Registers
▶ I2C_0						I2C Registers
▶ T16B_0						T16B (16-bit PWM Timer) Ch.0 Registers
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▶ SNDA						SNDA (Sound Generator) Registers
▶ REMC						REMC (IR Remote Controller) Registers
▶ LCD24A						LCD24A (LCD Driver) Registers
▶  LCD24CLK	0x0100	0000000100000000	0x0100	RW	0x00005400	LCD24A Clock Control Register
▶  OBRUN (bit 8)	0x1	1				This bit sets whether the LCD24A operating clock is s..
▶  CLKDIV (bits 6-4)	0x0	000				These bits select the division ratio of the LCD24A ope..
▶  CLKSRC (bits 1-0)	0x0	00				These bits select the clock source of the LCD24A.
▶  LCD24CTL	0x0000	0000000000000000	0x0000	RW	0x00005402	LCD24A Control Register
▶  MODEN (bits 7-0)	0x00	00000000				This bit enables the LCD24A operations.
▶  LCD24TIM1	0x0217	0000001000010111	0x0217	RW	0x00005404	LCD24A Timing Control Register 1
▶  FRMCNT (bits 12-8)	0x02	00010				These bits set the frame frequency.
▶  COMPOS (bit 5)	0x0	0				This bit configures the COM pin layout when 1/1 to 1/..
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▶  LCD24COMC0			0xFFFF	RW	0x0000540C	LCD24A COM Pin Control Register
▶  LCD24COMC1			0x00FF	RW	0x0000540E	LCD24A COM Pin Control Register
▶  LCD24INTF			0x0000	RW	0x00005410	LCD24A Interrupt Flag Register
▶  LCD24INTE			0x0000	RW	0x00005412	LCD24A Interrupt Enable Register

EmbSys Registers の使い方

[EmbSys Registers]ビューを、[Debug]パースペクティブ内に開きたい場合

1. [Window]>[Show View]>[Other...]を選択します。
2. [Show View]ウィンドウの[type filter text]ボックスに“emb”と入力。
3. 表示された[EmbSys Registers]を選択し、[OK]ボタンを押してください。



新しいMCUを追加する場合

1. EPSON Webサイトから入手した " *.xml" ファイルを以下のフォルダに入れてください。
"C:¥EPSON¥GNU17V3¥eclipse¥plugins¥org.eclipse.cdt.embsysregview.data_0.2.5.r180¥data¥S1C17¥EPSON¥"
2. 追加した機種への変更が、設定アイコンより可能です。

