[Notes] Renesas Starter Kit+ for RZ/T2M Differences of EEPROM size

R20TS0918EJ0100 Rev.1.00 Dec. 23, 2022

Outline

When using the Renesas Starter Kit+ for RZ/T2M, note the following points.

- 1. Differences of EEPROM size
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1.1 Applicable Products

Product name: Renesas Starter Kit+ for RZ/T2M

Part number: RTK9RZT2M0S00000BE

Serial number: all

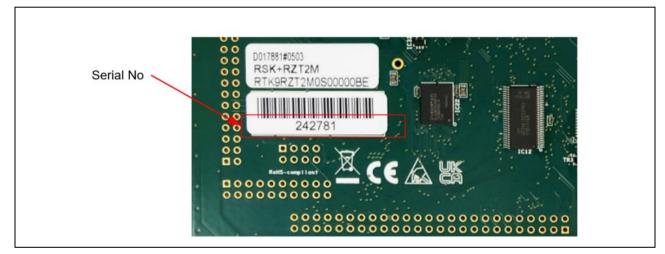


Figure 1: Serial No. location (CPU board solder side)



Figure 2: Serial No. location (side of the product box)



1.2 Details

There are two variants for EEPROM size on RSK. Develop software adapting to EEPROM size.

- Serial number for RSK board with 16kbit EEPROM: 240493~240592, 242767~242866
- Serial number for RSK board with 32kbit EEPROM: others

Example of EtherCAT application note (R01AN5926) is shown as follows.

1. Start FSP Smart Configurator and select 'g_ethercat_ssc_port0 EtherCAT SSC Port'.

Stacks Configuration			Generate Project Content
Threads 🚳 New Thread 🔞 Remove 📄	HAL/Common Stacks	🗟 New Stack	k > 🐣 Extend Stack > 👔 Remove
✓ ALL/Common	 g_ioport I/O Port Driver on r_ioport i 	<pre> g_ethercat_ssc_port0 Eth </pre>	erCAT SSC Port
		g_ether_phy0 Ethernet Driver on r_ether_phy	g_ether_phy1 Ethernet Driver on r_ether_phy G
د > Objects الله الله الله الله الله الله الله الل		g_ether_selector0 Ethernet Driver on r_ether_selector	g_ether_selector1 Ethernet Driver on r_ether_selector
Summany BCD Clocks Dine Internints Event Link	<		>

2. In 'properties' window, configure EEPROM size at item of 'EEPROM Size'.

If 16kbits, select 'Under 32Kbits'. If 32kbit, select 'Over 32kbits'.

g_ethero	at_ssc_port0 EtherCAT SSC Pc	ort	
Settings	Property ✔ Common	Value	
	Parameter Checking	Default (BSP)	
	Reset Port	P13_4	
	✓ Module g_ethercat_ssc_port0 Eth		
	> PHY		
	> Delay Time of TXC		
	> Interrupts		
	Name	g_ethercat_ssc_port0	
	EEPROM Size	Under 32Kbits	¥
		Under 32Kbits	
		Over 32Kbits	

3. Press 'Generate Project Content' button, then generate code. After that, build and run.





Revision History

		Description		
Rev.	Date	Page	Summary	
1.00	Dec.23.22	-	First edition issued	

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Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu, Koto-ku, Tokyo 135-0061, Japan www.renesas.com

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