

To Customers;

EOL plan of Serial EEPROM products

Affected Part Number:

R1EX24xxxA series

R1EX24xxxB series

R1EX25xxxA series

HN58X25xxx series

This document describes additional information related to the official EOL notice.

November 1, 2025

Standard Products Department, Standard Products Division,
Analog & Connectivity Product Group,
Renesas Electronics Corporation

No. 25-0002A

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EOL plan of Serial EEPROM products

Renesas has decided to discontinue production of Serial EEPROM products (all of 68 orderable part numbers.) We sincerely apologize for any inconvenience this may cause our customers and kindly ask for your understanding and cooperation.

1. Affected Orderable Part Number

Please refer to page 4 to 7.

2. Background of EOL

Due to the aging of manufacturing equipment in the wafer process, it has become difficult to ensure stable supply and continuous support.

3. EOL schedule

Nov. 1, 2025: EOL announcement

Apr. 30, 2026: LTB Order

Oct. 31, 2026: Last Time Shipment

EOL of Serial EEPROM: Affected Part Number (1/4)

	Orderable Part Number	Interface	Density	Package	Bonding wire	Halogen-free	Replaceable Part
1	R1EX24002ASAS0I#S0	I2C	2Kb	SOP8	Au-wire	No	Refer to page 8
2	R1EX24004ASAS0I#S0	I2C	4Kb	SOP8	Au-wire	No	
3	R1EX24008ASAS0I#S0	I2C	8Kb	SOP8	Au-wire	No	
4	R1EX24016ASAS0I#S0	I2C	16Kb	SOP8	Au-wire	No	
5	R1EX24032ASAS0I#S0	I2C	32Kb	SOP8	Au-wire	No	
6	R1EX24064ASAS0I#S0	I2C	64Kb	SOP8	Au-wire	No	
7	R1EX24128BSAS0I#S0	I2C	128Kb	SOP8	Au-wire	No	
8	R1EX24256BSAS0I#S0	I2C	256Kb	SOP8	Au-wire	No	
9	R1EX24512BSAS0I#S0	I2C	512Kb	SOP8	Au-wire	No	
10	R1EX24002ATAS0I#S0	I2C	2Kb	TSSOP8	Au-wire	No	
11	R1EX24004ATAS0I#S0	I2C	4Kb	TSSOP8	Au-wire	No	
12	R1EX24008ATAS0I#S0	I2C	8Kb	TSSOP8	Au-wire	No	
13	R1EX24016ATAS0I#S0	I2C	16Kb	TSSOP8	Au-wire	No	
14	R1EX24032ATAS0I#S0	I2C	32Kb	TSSOP8	Au-wire	No	
15	R1EX24064ATAS0I#S0	I2C	64Kb	TSSOP8	Au-wire	No	
16	R1EX24128BTAS0I#S0	I2C	128Kb	TSSOP8	Au-wire	No	
17	R1EX24256BTAS0I#S0	I2C	256Kb	TSSOP8	Au-wire	No	
18	R1EX24512BTAS0I#S0	I2C	512Kb	TSSOP8	Au-wire	No	

EOL of Serial EEPROM: Affected Part Number (2/4)

	Orderable Part Number	Interface	Density	Package	Bonding wire	Halogen-free	Replaceable Part
19	R1EX24002ASAS0I#U0	I2C	2Kb	SOP8	Au-wire	Yes	Refer to page 9
20	R1EX24004ASAS0I#U0	I2C	4Kb	SOP8	Au-wire	Yes	
21	R1EX24008ASAS0I#U0	I2C	8Kb	SOP8	Au-wire	Yes	
22	R1EX24016ASAS0I#U0	I2C	16Kb	SOP8	Au-wire	Yes	
23	R1EX24032ASAS0I#U0	I2C	32Kb	SOP8	Au-wire	Yes	
24	R1EX24064ASAS0I#U0	I2C	64Kb	SOP8	Au-wire	Yes	
25	R1EX24128BSAS0I#U0	I2C	128Kb	SOP8	Au-wire	Yes	
26	R1EX24256BSAS0I#U0	I2C	256Kb	SOP8	Au-wire	Yes	
27	R1EX24128BSAS0I#K0	I2C	128Kb	SOP8	Cu-wire	Yes	
28	R1EX24256BSAS0I#K0	I2C	256Kb	SOP8	Cu-wire	Yes	
29	R1EX24512BSAS0I#K0	I2C	512Kb	SOP8	Cu-wire	Yes	
30	R1EX24002ATAS0I#U0	I2C	2Kb	TSSOP8	Au-wire	Yes	
31	R1EX24004ATAS0I#U0	I2C	4Kb	TSSOP8	Au-wire	Yes	
32	R1EX24008ATAS0I#U0	I2C	8Kb	TSSOP8	Au-wire	Yes	
33	R1EX24016ATAS0I#U0	I2C	16Kb	TSSOP8	Au-wire	Yes	
34	R1EX24032ATAS0I#U0	I2C	32Kb	TSSOP8	Au-wire	Yes	
35	R1EX24064ATAS0I#U0	I2C	64Kb	TSSOP8	Au-wire	Yes	
36	R1EX24128BTAS0I#U0	I2C	128Kb	TSSOP8	Au-wire	Yes	
37	R1EX24256BTAS0I#U0	I2C	256Kb	TSSOP8	Au-wire	Yes	
38	R1EX24512BTAS0I#U0	I2C	512Kb	TSSOP8	Au-wire	Yes	

EOL of Serial EEPROM: Affected Part Number (3/4)

	Orderable Part Number	Interface	Density	Package	Bonding wire	Halogen-free	Replaceable Part
39	R1EX25002ASA00I#S0	SPI	2Kb	SOP8	Au-wire	No	Refer to page 10
40	R1EX25004ASA00I#S0	SPI	4Kb	SOP8	Au-wire	No	
41	R1EX25008ASA00I#S0	SPI	8Kb	SOP8	Au-wire	No	
42	R1EX25016ASA00I#S0	SPI	16Kb	SOP8	Au-wire	No	
43	R1EX25032ASA00I#S0	SPI	32Kb	SOP8	Au-wire	No	
44	R1EX25064ASA00I#S0	SPI	64Kb	SOP8	Au-wire	No	
45	HN58X25128FPIAG#S0	SPI	128Kb	SOP8	Au-wire	No	
46	HN58X25256FPIAG#S0	SPI	256Kb	SOP8	Au-wire	No	
47	R1EX25512ASA00I#S0	SPI	512Kb	SOP8	Au-wire	No	
48	R1EX25002ATA00I#S0	SPI	2Kb	TSSOP8	Au-wire	No	
49	R1EX25004ATA00I#S0	SPI	4Kb	TSSOP8	Au-wire	No	
50	R1EX25008ATA00I#S0	SPI	8Kb	TSSOP8	Au-wire	No	
51	R1EX25016ATA00I#S0	SPI	16Kb	TSSOP8	Au-wire	No	
52	R1EX25032ATA00I#S0	SPI	32Kb	TSSOP8	Au-wire	No	
53	R1EX25064ATA00I#S0	SPI	64Kb	TSSOP8	Au-wire	No	
54	R1EX25512ATA00I#S0	SPI	512Kb	TSSOP8	Au-wire	No	

EOL of Serial EEPROM: Affected Part Number (4/4)

	Orderable Part Number	Interface	Density	Package	Bonding wire	Halogen-free	Replaceable Part
55	R1EX25002ASA00I#U0	SPI	2Kb	SOP8	Au-wire	Yes	Refer to page 11
56	R1EX25004ASA00I#U0	SPI	4Kb	SOP8	Au-wire	Yes	
57	R1EX25008ASA00I#U0	SPI	8Kb	SOP8	Au-wire	Yes	
58	R1EX25016ASA00I#U0	SPI	16Kb	SOP8	Au-wire	Yes	
59	R1EX25032ASA00I#U0	SPI	32Kb	SOP8	Au-wire	Yes	
60	R1EX25064ASA00I#U0	SPI	64Kb	SOP8	Au-wire	Yes	
61	R1EX25512ASA00I#U0	SPI	512Kb	SOP8	Au-wire	Yes	
62	R1EX25002ATA00I#U0	SPI	2Kb	TSSOP8	Au-wire	Yes	
63	R1EX25004ATA00I#U0	SPI	4Kb	TSSOP8	Au-wire	Yes	
64	R1EX25008ATA00I#U0	SPI	8Kb	TSSOP8	Au-wire	Yes	
65	R1EX25016ATA00I#U0	SPI	16Kb	TSSOP8	Au-wire	Yes	
66	R1EX25032ATA00I#U0	SPI	32Kb	TSSOP8	Au-wire	Yes	
67	R1EX25064ATA00I#U0	SPI	64Kb	TSSOP8	Au-wire	Yes	
68	R1EX25512ATA00I#U0	SPI	512Kb	TSSOP8	Au-wire	Yes	

Cross Reference for Replaceable Parts (1/4)

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	Renesas	STMicroelectronics	Microchip	Microchip (Atmel)	ABLIC	ROHM
1	R1EX24002ASAS0I#S0	M24C02-FMN6TP	24AA02T-I/SN	AT24C02D-SSHM-T	S-24C02DI-J8T1U5	BR24G02FJ-5E2
2	R1EX24004ASAS0I#S0	M24C04-FMN6TP	24AA04T-I/SN	AT24C04D-SSHM-T	S-24C04DI-J8T1U5	BR24G04FJ-5E2
3	R1EX24008ASAS0I#S0	M24C08-FMN6TP	24AA08T-I/SN	AT24C08D-SSHM-T	S-24C08DI-J8T1U5	BR24G08FJ-5E2
4	R1EX24016ASAS0I#S0	M24C16-FMN6TP	24AA16T-I/SN	AT24C16D-SSHM-T	S-24C16DI-J8T1U5	BR24G16FJ-5E2
5	R1EX24032ASAS0I#S0	M24C32-FMN6TP	24AA32T-I/SN	AT24C32E-SSHM-T	S-24C32CI-J8T1U3	BR24G32FJ-5E2
6	R1EX24064ASAS0I#S0	M24C64-FMN6TP	24AA64T-I/SN	AT24C64D-SSHM-T	S-24C64CI-J8T1U3	BR24G64FJ-5E2
7	R1EX24128BSAS0I#S0	M24128-BFMN6TP	24AA128T-I/SN	AT24C128C-SSHM-T	S-24C128CI-J8T1U3	BR24G128FJ-5E2
8	R1EX24256BSAS0I#S0	M24256E-FMN6TP	24AA256T-I/SN	AT24C256C-SSHL-T	S-24C256CI-J8T1U4	BR24G256FJ-5E2
9	R1EX24512BSAS0I#S0	M24512E-FMN6TP	24AA512T-I/SN	AT24C512C-SSHM-T	S-24C512CI-J8T1U4	BR24G512FJ-5AE2
10	R1EX24002ATAS0I#S0	M24C02-FDW6TP	24AA02T-I/ST	AT24C02D-XHM-T	S-24C02DI-T8T1U5	BR24G02VT-5E2
11	R1EX24004ATAS0I#S0	M24C04-FDW6TP	24AA04T-I/ST	AT24C04D-XHM-T	S-24C04DI-T8T1U5	BR24G04VT-5E2
12	R1EX24008ATAS0I#S0	M24C08-FDW6TP	24AA08T-I/ST	AT24C08D-XHM-T	S-24C08DI-T8T1U5	BR24G08VT-5E2
13	R1EX24016ATAS0I#S0	M24C16-FDW6TP	24AA16T-I/ST	AT24C16D-XHM-T	S-24C16DI-T8T1U5	BR24G16VT-5E2
14	R1EX24032ATAS0I#S0	M24C32-FDW6TP	24AA32T-I/ST	AT24C32E-XHM-T	S-24C32CI-T8T1U3	BR24G32VT-5E2
15	R1EX24064ATAS0I#S0	M24C64-FDW6TP	24AA64T-I/ST	AT24C64D-XHM-T	S-24C64CI-T8T1U3	BR24G64VT-5E2
16	R1EX24128BTAS0I#S0	M24128-BFDW6TP	24AA128T-I/ST	AT24C128C-XHM-T	S-24C128CI-T8T1U3	BR24G128VT-5E2
17	R1EX24256BTAS0I#S0	M24256E-FDW6TP	24AA256T-I/ST	AT24C256C-XHL-T	S-24C256CI-T8T1U4	BR24G256VT-5E2
18	R1EX24512BTAS0I#S0	M24512E-FDW6TP	24AA512T-I/ST	AT24C512C-XHM-T	S-24C512CI-T8T1U4	BR24G512VT-5AE2

Cross Reference for Replaceable Parts (2/4)

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	Renesas	STMicroelectronics	Microchip	Microchip (Atmel)	ABLIC	ROHM
19	R1EX24002ASAS0I#U0	M24C02-FMN6TP	24AA02T-I/SN	AT24C02D-SSHM-T	S-24C02DI-J8T1U5	BR24G02FJ-5E2
20	R1EX24004ASAS0I#U0	M24C04-FMN6TP	24AA04T-I/SN	AT24C04D-SSHM-T	S-24C04DI-J8T1U5	BR24G04FJ-5E2
21	R1EX24008ASAS0I#U0	M24C08-FMN6TP	24AA08T-I/SN	AT24C08D-SSHM-T	S-24C08DI-J8T1U5	BR24G08FJ-5E2
22	R1EX24016ASAS0I#U0	M24C16-FMN6TP	24AA16T-I/SN	AT24C16D-SSHM-T	S-24C16DI-J8T1U5	BR24G16FJ-5E2
23	R1EX24032ASAS0I#U0	M24C32-FMN6TP	24AA32T-I/SN	AT24C32E-SSHM-T	S-24C32CI-J8T1U3	BR24G32FJ-5E2
24	R1EX24064ASAS0I#U0	M24C64-FMN6TP	24AA64T-I/SN	AT24C64D-SSHM-T	S-24C64CI-J8T1U3	BR24G64FJ-5E2
25	R1EX24128BSAS0I#U0	M24128-BFMN6TP	24AA128T-I/SN	AT24C128C-SSHM-T	S-24C128CI-J8T1U3	BR24G128FJ-5E2
26	R1EX24256BSAS0I#U0	M24256E-FMN6TP	24AA256T-I/SN	AT24C256C-SSHL-T	S-24C256CI-J8T1U4	BR24G256FJ-5E2
27	R1EX24128BSAS0I#K0	M24128-BFMN6TP	24AA128T-I/SN	AT24C128C-SSHM-T	S-24C128CI-J8T1U3	BR24G128FJ-5E2
28	R1EX24256BSAS0I#K0	M24256E-FMN6TP	24AA256T-I/SN	AT24C256C-SSHL-T	S-24C256CI-J8T1U4	BR24G256FJ-5E2
29	R1EX24512BSAS0I#K0	M24512E-FMN6TP	24AA512T-I/SN	AT24C512C-SSHM-T	S-24C512CI-J8T1U4	BR24G512FJ-5AE2
30	R1EX24002ATAS0I#U0	M24C02-FDW6TP	24AA02T-I/ST	AT24C02D-XHM-T	S-24C02DI-T8T1U5	BR24G02VT-5E2
31	R1EX24004ATAS0I#U0	M24C04-FDW6TP	24AA04T-I/ST	AT24C04D-XHM-T	S-24C04DI-T8T1U5	BR24G04VT-5E2
32	R1EX24008ATAS0I#U0	M24C08-FDW6TP	24AA08T-I/ST	AT24C08D-XHM-T	S-24C08DI-T8T1U5	BR24G08VT-5E2
33	R1EX24016ATAS0I#U0	M24C16-FDW6TP	24AA16T-I/ST	AT24C16D-XHM-T	S-24C16DI-T8T1U5	BR24G16VT-5E2
34	R1EX24032ATAS0I#U0	M24C32-FDW6TP	24AA32T-I/ST	AT24C32E-XHM-T	S-24C32CI-T8T1U3	BR24G32VT-5E2
35	R1EX24064ATAS0I#U0	M24C64-FDW6TP	24AA64T-I/ST	AT24C64D-XHM-T	S-24C64CI-T8T1U3	BR24G64VT-5E2
36	R1EX24128BTAS0I#U0	M24128-BFDW6TP	24AA128T-I/ST	AT24C128C-XHM-T	S-24C128CI-T8T1U3	BR24G128VT-5E2
37	R1EX24256BTAS0I#U0	M24256E-FDW6TP	24AA256T-I/ST	AT24C256C-XHL-T	S-24C256CI-T8T1U4	BR24G256VT-5E2
38	R1EX24512BTAS0I#U0	M24512E-FDW6TP	24AA512T-I/ST	AT24C512C-XHM-T	S-24C512CI-T8T1U4	BR24G512VT-5AE2

Cross Reference for Replaceable Parts (3/4)

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	Renesas	STMicroelectronics	Microchip	Microchip (Atmel)	ABLIC	ROHM
39	R1EX25002ASA00I#S0	M95020-RMN6TP	25AA020AT-I/SN	AT25020B-SSHL-T	S-25C020A0I-J8T1U	-
40	R1EX25004ASA00I#S0	M95040-RMN6TP	25AA040AT-I/SN	AT25040B-SSHL-T	S-25C040A0I-J8T1U	-
41	R1EX25008ASA00I#S0	M95080-RMN6TP	25AA080DT-I/SN	AT25080B-SSHL-T	S-25C080A0I-J8T1U	-
42	R1EX25016ASA00I#S0	M95160-RMN6TP	25AA160DT-I/SN	AT25160B-SSHL-T	S-25C160A0I-J8T1U3	BR25G160FJ-5E2
43	R1EX25032ASA00I#S0	M95320-RMN6TP	25AA320AT-I/SN	AT25320B-SSHL-T	S-25C320A0I-J8T1U3	-
44	R1EX25064ASA00I#S0	M95640-RMN6TP	25AA640AT-I/SN	AT25640B-SSHL-T	S-25C640A0I-J8T1U3	-
45	HN58X25128FPIAG#S0	M95128-RMN6TP	25AA128T-I/SN	AT25128B-SSHL-T	S-25C128A0I-J8T1U3	BR25G128FJ-5AE2
46	HN58X25256FPIAG#S0	M95256-RMN6TP	25AA256T-I/SN	AT25256B-SSHL-T	S-25C256A0I-J8T1U4	BR25G256FJ-5AE2
47	R1EX25512ASA00I#S0	M95512-RMN6TP	25AA512T-I/SN	AT25512N-SH-T	S-25C512A0I-J8T1U4	BR25G512FJ-5AE2
48	R1EX25002ATA00I#S0	M95020-RDW6TP	25AA020AT-I/ST	AT25020B-XHL-T	S-25C020A0I-T8T1U	-
49	R1EX25004ATA00I#S0	M95040-RDW6TP	25AA040AT-I/ST	AT25040B-XHL-T	S-25C040A0I-T8T1U	-
50	R1EX25008ATA00I#S0	M95080-RDW6TP	25AA080DT-I/ST	AT25080B-XHL-T	S-25C080A0I-T8T1U	-
51	R1EX25016ATA00I#S0	M95160-RDW6TP	25AA160DT-I/ST	AT25160B-XHL-T	S-25C160A0I-T8T1U3	BR25G160FVT-5E2
52	R1EX25032ATA00I#S0	M95320-RDW6TP	25AA320AT-I/ST	AT25320B-XHL-T	S-25C320A0I-T8T1U3	-
53	R1EX25064ATA00I#S0	M95640-RDW6TP	25AA640AT-I/ST	AT25640B-XHL-T	S-25C640A0I-T8T1U3	-
54	R1EX25512ATA00I#S0	M95512-RDW6TP	25A512T-I/ST	AT25512-TH-T	S-25C512A0I-T8T1U4	BR25G512FVT-5AE2

Cross Reference for Replaceable Parts (4/4)

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	Renesas	STMicroelectronics	Microchip	Microchip (Atmel)	ABLIC	ROHM
55	R1EX25002ASA00I#U0	M95020-RMN6TP	25AA020AT-I/SN	AT25020B-SSHL-T	S-25C020A0I-J8T1U	-
56	R1EX25004ASA00I#U0	M95040-RMN6TP	25AA040AT-I/SN	AT25040B-SSHL-T	S-25C040A0I-J8T1U	-
57	R1EX25008ASA00I#U0	M95080-RMN6TP	25AA080DT-I/SN	AT25080B-SSHL-T	S-25C080A0I-J8T1U	-
58	R1EX25016ASA00I#U0	M95160-RMN6TP	25AA160DT-I/SN	AT25160B-SSHL-T	S-25C160A0I-J8T1U3	BR25G160FJ-5E2
59	R1EX25032ASA00I#U0	M95320-RMN6TP	25AA320AT-I/SN	AT25320B-SSHL-T	S-25C320A0I-J8T1U3	-
60	R1EX25064ASA00I#U0	M95640-RMN6TP	25AA640AT-I/SN	AT25640B-SSHL-T	S-25C640A0I-J8T1U3	-
61	R1EX25512ASA00I#U0	M95512-RMN6TP	25AA512T-I/SN	AT25512N-SH-T	S-25C512A0I-J8T1U4	BR25G512FJ-5AE2
62	R1EX25002ATA00I#U0	M95020-RDW6TP	25AA020AT-I/ST	AT25020B-XHL-T	S-25C020A0I-T8T1U	-
63	R1EX25004ATA00I#U0	M95040-RDW6TP	25AA040AT-I/ST	AT25040B-XHL-T	S-25C040A0I-T8T1U	-
64	R1EX25008ATA00I#U0	M95080-RDW6TP	25AA080DT-I/ST	AT25080B-XHL-T	S-25C080A0I-T8T1U	-
65	R1EX25016ATA00I#U0	M95160-RDW6TP	25AA160DT-I/ST	AT25160B-XHL-T	S-25C160A0I-T8T1U3	BR25G160FVT-5E2
66	R1EX25032ATA00I#U0	M95320-RDW6TP	25AA320AT-I/ST	AT25320B-XHL-T	S-25C320A0I-T8T1U3	-
67	R1EX25064ATA00I#U0	M95640-RDW6TP	25AA640AT-I/ST	AT25640B-XHL-T	S-25C640A0I-T8T1U3	-
68	R1EX25512ATA00I#U0	M95512-RDW6TP	25A512T-I/ST	AT25512-TH-T	S-25C512A0I-T8T1U4	BR25G512FVT-5AE2

Note:

- As reference information based on current publicly available information, alternatives from other companies are shown.
- The dimensions and tolerances of each part of the package may differ from our products. In addition, including checking the compatibility of electrical characteristics, please be sure to check the latest product information and availability of each company before deciding whether to replace it.

[Renesas.com](https://www.renesas.com)