

Dear Customers

**Renesas Electronics Development Tool Product : Product Discontinuance Notice**

Thank you very much for your continuous use of Renesas Electronics development tool products.

We would like to hereby request your kind understanding and acceptance of the following EOL (=End Of Life) announcement due to the change of market situation or the discontinuance of component part.

Please be kindly asked to check the attached list and hopefully to accept our EOL proposal and place LTB (Last Time Buy) order any time prior to the date indicated.

**1. Product subject to EOL :** (See attached.)

“EOL” product list for Renesas Electronics MCU development tools

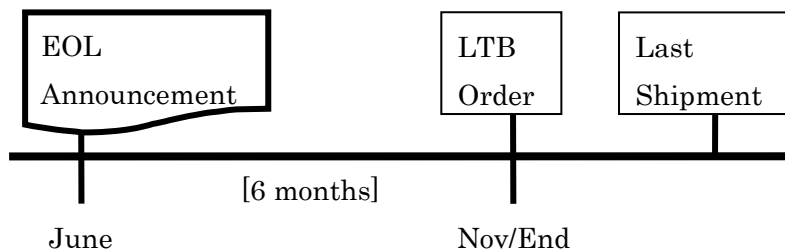
**2. Request :**

Please kindly place the LTB (Last Time Buy) order by the end of Nov 2014.

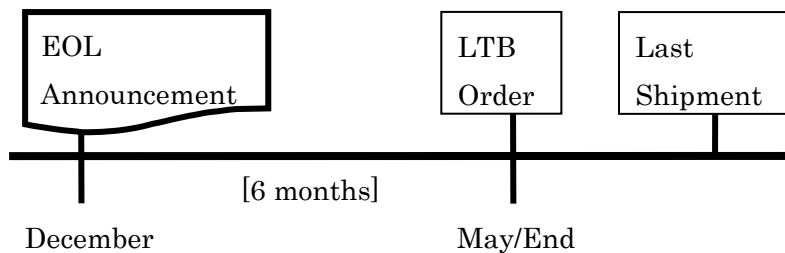
**3. Basic schedule :**

This time the schedule is in the below (1).

(1) PDN in June



(2) PDN in December



Repairing service is continuously available after discontinuing the product. But please note that it may not be accepted the repair request due to the discontinuance of component part.

Some Products were discontinued this time, see attached list.

**For any questions concerning this notification, please contact to :**

xxxxxxxxxxxxxxxxxxxxxxxx Corp.

Sales: xxxxxxxxxxxxxxxx E-Mail : [xxxxxxxxxx@xxxxxxxx.xxx](mailto:xxxxxxxxxx@xxxxxxxx.xxx) TEL : xxx-xxxx-xxxx

Best Regards

Attachments : "EOL" product list

## MCU Hardware Development Tool, LTB Order Nov/End in 2014

| Product name  | Explanation   | Replacement                                      |
|---------------|---|--|
| HS0AE4XECI62H | Cable for device sample confirmation                            | none   |
| HS0AE4XEPI61H | E6000 emulator for DualWay IC card AE45X                        | none   |
| HS0AE5EPH60H  | E6000H emulator for AE-5  | none   |
| HS0AE5NEPH60H | E6000H emulator for AE-5N                                       | none   |
| HS30211EPI61H | E6000 emulator for R5H30211                                     | none   |
| HS0008EASF2H  | Onboard programmer for 0.8um process H8 family                  | none   |
| HS0008EASF5H  | Onboard programmer for 0.5um, 0.35um and 0.18um SH, H8S and H8  | none   |
| HS1527REPH60H | E6000H emulator for H8SX/1527R                                  | E10A-USB   |
| HS1527ECH61H  | E6000H user cable for H8SX/1527(FP-100M)                        | none   |
| HS1544EPH60H  | E6000H emulator for H8SX/1544                                   | E10A-USB   |
| HS1544ECH61H  | E6000H user cable for H8SX/1544(LFP-144)                        | none   |
| HS1650EPH60H  | E6000H emulator for H8SX/1650                                   | E10A-USB   |
| HS1638ECN61H  | E6000H user system interface board for H8SX/1638(PLOP0120LA-A)  | none   |
| HS1648ECH61H  | E6000H user system interface board for H8SX/1648(PLOP0144KA-A)  | none   |
| HS1650ECN61H  | E6000H user system interface board for H8SX/1650(TFP-120)       | none   |
| HS1651ECN61H  | E6000H user system interface board for H8SX/1651(LFP-120)       | none   |
| HS1653ECN61H  | E6000H user system interface board for H8SX/1653(LFP-120)       | none   |
| HS1658RECN61H | E6000H user system interface board for H8SX/1658R(PLOP0120LA-A) | none   |
| HS1664ECH61H  | E6000H user system interface board for H8SX/1664(LFP-144)       | none   |
| HS1668RECH61H | E6000H user system interface board for H8SX/1668R(PLOP0144KA-A) | none   |
| HS1695ECK61H  | E6000H user system interface board for H8SX/1695(LGA-145)       | none   |
| HS2140EPI61H  | E6000 emulator for H8S/2148B                                    | none   |
| HS2128ECH61H  | E6000 user cable for H8S/2128(FP-64A)                           | none   |
| HS2128ECN61H  | E6000 user cable for H8S/2128(TFP-80C)                          | none   |
| HS2128ECS61H  | E6000 user cable for H8S/2128(DIP-64S)                          | none   |
| HS2138ECH61H  | E6000 user cable for H8S/2138(FP-80A)                           | none   |
| HS2138ECN61H  | E6000 user cable for H8S/2138(TFP-80C)                          | none   |
| HS2148ECH61H  | E6000 user cable for H8S/2148(FP/TFP-100B)                      | none   |
| HS2140EIO61H  | E6000 LPC board for H8S/2140B                                   | none   |
| HS2169ECN61H  | E6000 user cable for H8S/2169(TFP-144)                          | none   |
| HS2168EPI61H  | E6000 emulator for H8S/2168                                     | E10A-USB   |
| HS2214EPI62H  | E6000 emulator for H8S/2214                                     | E10A-USB (Some device groups are not supported.) |
| HS2212ECH61H  | E6000 user cable for H8S/2212(FP-64E) (with USB function)       | none   |
| HS2214ECB61H  | E6000 user cable for H8S/2214(CSP-112)                          | none   |
| HS2214ECB62H  | E6000 user cable for H8S/2214(BP-112)                           | none   |
| HS2215RECB62H | E6000 user cable for H8S/2215R(BP-112) (with USB function)      | none   |
| HS2215RECN61H | E6000 user cable for H8S/2215R(TFP-120) (with USB function)     | none   |
| HS2218ECB62H  | E6000 user cable for H8S/2218(BP-112)                           | none   |
| HS2218ECN61H  | E6000 user cable for H8S/2218(TFP-100G) (with USB function)     | none   |
| HS2268EPI61H  | E6000 emulator for H8S/2268                                     | none   |
| HS2268ECH61H  | E6000 user cable for H8S/2268(TFP-100B)                         | none   |
| HS2268ECN61H  | E6000 user cable for H8S/2268(TFP-100G)                         | none   |
| HS2339EPI61H  | E6000 emulator for H8S/2339                                     | E10A-USB (Some device groups are not supported.) |
| HS2318ECH61H  | E6000 user cable for H8S/2318(FP/TFP-100B)                      | none   |
| HS2328ECH61H  | E6000 user cable for H8S/2328(FP-128)                           | none   |
| HS2328ECN61H  | E6000 user cable for H8S/2328(TFP-120)                          | none   |
| HS2338ECH61H  | E6000 user cable for H8S/2338(FP-144)                           | none   |
| HS2556EPI62H  | E6000 emulator for H8S/2556 (with multi-voltage support)        | none   |
| HS2552ECB62H  | E6000 user cable for H8S/2556(BP-176)                           | none   |
| HS2556ECH61H  | E6000 user cable for H8S/2556(FP-144)                           | none   |
| HS2612EPI61H  | E6000 emulator for H8S/2612                                     | none   |
| HS2612ECH61H  | E6000 user cable for H8S/2612(FP-80A)                           | none   |
| HS2628EPI61H  | E6000 emulator for H8S/2628                                     | none   |
| HS2628ECH61H  | E6000 user cable for H8S/2628(FP-100M)                          | none   |
| HS2615ECH61H  | E6000 user cable for H8S/2615(FP-80A)                           | none   |
| HS2633REPI61H | E6000 emulator for H8S/2633R                                    | none   |
| HS2237ECN61H  | E6000 user cable for H8S/2237(TFP-100G)                         | none   |
| HS2238ECF61H  | E6000 user cable for H8S/2238(FP-100A)                          | none   |
| HS2238ECH61H  | E6000 user cable for H8S/2238(FP/TFP-100B)                      | none   |
| HS2238ECN61H  | E6000 user cable for H8S/2238(TFP-100G)                         | none   |
| HS2238RECB62H | E6000 user cable for H8S/2238R(BP-112)                          | none   |
| HS2258ECF61H  | E6000 user cable for H8S/2258(FP-100A)                          | none   |
| HS2258ECH61H  | E6000 user cable for H8S/2258(FP/TFP-100B)                      | none   |
| HS2258EIO61H  | E6000 IE board for H8S/2258                                     | none   |
| HS2633ECH61H  | E6000 user cable for H8S/2633(FP-128)                           | none   |
| HS2633ECN61H  | E6000 user cable for H8S/2633(TFP-120)                          | none   |
| HS2643ECH61H  | E6000 user cable for H8S/2643(FP-144)                           | none   |
| HS2646EPI61H  | E6000 emulator for H8S/2646                                     | none   |
| HS2280ECF61H  | E6000 user cable for H8S/2280, H8S/2282(FP-100A)                | none   |
| HS2635ECH61H  | E6000 user cable for H8S/2635(FP-128)                           | none   |
| HS2636ECH61H  | E6000 user cable for H8S/2636(FP-128)                           | none   |
| HS2646ECH61H  | E6000 user cable for H8S/2646(FP-144)                           | none   |
| HS2655EPI61H  | E6000 emulator for H8S/2655                                     | none   |
| HS2245ECH61H  | E6000 user cable for H8S/2245(FP-100B)                          | none   |
| HS2655ECH61H  | E6000 user cable for H8S/2655(FP-128)                           | none   |
| HS2655ECN61H  | E6000 user cable for H8S/2655(TFP-120)                          | none   |
| HS2345ECF61H  | E6000 user cable for H8S/2345(FP-100A)                          | none   |
| HS2345ECH61H  | E6000 user cable for H8S/2345(FP/TFP-100B)                      | none   |
| HS2678REPI61H | E6000 emulator for H8S/2678R                                    | E10A-USB (Some device groups are not supported.) |
| HS2368ECH61H  | E6000 user cable for H8S/2368(FP-128B)                          | none   |
| HS2368ECN61H  | E6000 user cable for H8S/2368(TFP-120)                          | none   |
| HS2378ECH61H  | E6000 user cable for H8S/2378(FP-144)                           | none   |
| HS2678RECH61H | E6000 user cable for H8S/2678R(FP-144)                          | none   |

| Product name   | Explanation  | Replacement  |
|----------------|--|--|
| HS3664EPI62H   | E6000 emulator for H8/3664 (VEC版)  | E8a  |
| HS36024EIO61H  | H8/36024 E6000 Expansion board   | none   |
| HS36037EIO61H  | H8/36037 E6000 Expansion board   | none   |
| HS36109EIO61H  | H8/36109 E6000 Expansion board   | none   |
| HS36014ECH61H  | E6000 user cable for H8/36014(FP-64E)  | none   |
| HS36014ECH63H  | E6000 user cable for H8/36014(FP-48F)  | none   |
| HS36014ECH64H  | E6000 user cable for H8/36014(FP-48B)  | none   |
| HS36014ECN61H  | E6000 user cable for H8/36014(TNP-48)  | none   |
| HS36049ECH61H  | E6000 user cable for H8/36049(FP-80A)  | none   |
| HS36109ECF61H  | E6000 user cable for H8/36109(FP-100A)   | none   |
| HS36109ECH61H  | E6000 user cable for H8/36109(FP-100U)   | none   |
| HS3664ECH61H   | E6000 user cable for H8/3664(FP-64E)   | none   |
| HS3664ECH63H   | E6000 user cable for H8/3664(FP-48F)   | none   |
| HS3664ECH64H   | E6000 user cable for H8/3664(FP-48B)   | none   |
| HS3687ECH61H   | E6000 user cable for H8/3687(FP-64E)   | none   |
| HS36902ECF61H  | E6000 user cable for H8/36902(SOP-32)  | none   |
| HS36902ECH61H  | E6000 user cable for H8/36902(FP-32A)  | none   |
| HS36902ECS61H  | E6000 user cable for H8/36902(SDIP-32)   | none   |
| HS38000EPI61H  | E6000 emulator for H8/SLP  | E8a (Some device groups are not supported.)                |
| HS3800EBK61H   | E6000 Evaluation chip board for H8/3800  | E8a (Some device groups are not supported.)                |
| HS38024ECH61H  | E6000 user cable for H8/38024(FP-80A)  | none   |
| HS38024ECN61H  | E6000 user cable for H8/38024(TFP-80C)   | none   |
| HS3802ECH62H   | E6000 user cable for H8/3802(FP-64E)   | none   |
| HS388REBK61H   | E6000 Evaluation chip board for H8/3880R                                       | E8a (Some device groups are not supported.)                |
| HS3864ECH61H   | E6000 user cable for H8/3864(FP-80A)   | none   |
| HS3864ECN62H   | E6000 user cable for H8/3864(TFP-80C)  | none   |
| HS3887ECF61H   | E6000 user cable for H8/3887(FP-100A)  | none   |
| HS3887ECH61H   | E6000 user cable for H8/3887(FP/TFP-100B)                                      | none   |
| HS3887ECN61H   | E6000 user cable for H8/3887(FP-100G)  | none   |
| HS6000EIU02H   | USB adapter for E6000, E8000   | none   |
| HS6000EMS12H   | 4Mbyte SIMM  | none   |
| HS7046EPH60H   | E6000H emulator for SH7046(50MHz)  | E10A-USB (Only SH7047 is supported.)                       |
| HS7046ECH61H   | E6000H user system interface board for SH7046(FP-80Q)                          | none   |
| HS7047ECH61H   | E6000H user system interface board for SH7047(FP-100M)                         | none   |
| HS7058EPH62H   | E6000H emulator for SH7058(80MHz)  | none   |
| HS7058ECF62H   | E6000H user system interface board for SH7058(FP-256H)                         | none   |
| HS7059EPH62H   | E6000H emulator for SH7059(80MHz)  | none   |
| HS7144ECH61H   | E6000H user system interface board for SH7144(FP-112B)                         | none   |
| HS7145ECH61H   | E6000H user system interface board for SH7145(FP-144F)                         | none   |
| HS7124EDB01H   | SH/Tiny debug MCU board(FP-48F)  | none   |
| HS7124EDB02H   | SH/Tiny debug MCU board(QFN-52)  | none   |
| HS7125EDB01H   | SH/Tiny debug MCU board(FP-64K)  | none   |
| HS7125EDB02H   | SH/Tiny debug MCU board(FP-64A)  | none   |
| HS7125EDB03H   | SH/Tiny debug MCU board(QFN-64)  | none   |
| HS7147EDB01H   | SH7147 debug MCU board(FP-100U)  | none   |
| ROE424248PFK00 | H8S/2424 LQFP-120(0.4mm pitch) debug MCU board                                 | none   |
| ROE424248PFK01 | H8S/2424 LQFP-120(0.5mm pitch) debug MCU board                                 | none   |
| ROE424268PFK00 | H8S/2426 LQFP-144(0.5mm pitch) debug MCU board                                 | none   |
| ROE424548PFK00 | H8S/2454 LQFP-120(0.4mm pitch) debug MCU board                                 | none   |
| ROE424548PFK01 | H8S/2454 LQFP-120(0.5mm pitch) debug MCU board                                 | none   |
| ROE424568PFK00 | H8S/2456 LQFP-144(0.5mm pitch) debug MCU board                                 | none   |
| ROE0200F0ACC00 | E200F Trace cable  | none   |
| ROE0200F0EPU00 | E200F Expansion profile unit   | none   |
| ROE0200F1ATU00 | E200F EVA-AUD trace unit for SH72546R  | none   |
| ROE0200F1CKL00 | Common user interface cable for E200F1 (0.4mm-pitch connector)                 | none   |
| ROE0200F1CKL10 | Common user interface cable for E200F1 (0.4mm-pitch connector, no AUD support) | none   |
| ROE0200F1CKL11 | Common user interface cable for E200F1 (0.4mm-pitch connector)                 | none   |
| ROE0200F1EMU00 | E200F Main unit for SH-2A,SH708x   | E10A-USB (Debug MCU board is necessary for SH7147/SH7142.) |
| ROE0200F1ETU00 | E200F Trace unit for SH-2A,SH708x  | none   |
| ROE0200F1MSR01 | E200F Emulation memory unit(16MB) for SH-2A,SH708x                             | none   |
| ROE0200F2EMU00 | E200F Main unit for SH7785   | E10A-USB   |
| ROE570800VKK00 | E200F Evaluation chip unit for SH708x  | none   |
| ROE570830CFK00 | E200F User system interface board for SH7083(TFP-100B)                         | none   |
| ROE570840CFJ00 | E200F User system interface board for SH7084(FP-112E)                          | none   |
| ROE570850CFK00 | E200F User system interface board for SH7085(FP-144L)                          | none   |
| ROE570860CFK00 | E200F User system interface board for SH7086(FP-176E)                          | none   |
| ROE571240CFJ00 | E200F User system interface board for SH7124(FP-48F)                           | none   |
| ROE571250CFG00 | E200F User system interface board for SH7125(FP-64A)                           | none   |
| ROE571250CFK00 | E200F User system interface board for SH7125(FP-64K)                           | none   |
| ROE571360CFJ00 | E200F User system interface board for SH7136(FP-80W)                           | none   |
| ROE571370CFK00 | E200F User system interface board for SH7137(FP-100U)                          | none   |
| ROE571460CFJ00 | E200F User system interface board for SH7146(FP-80W)                           | none   |
| ROE571470CFK00 | E200F User system interface board for SH7147(FP-100U)                          | none   |
| ROE571470VKK00 | E200F Evaluation chip unit for   | none   |
| ROE571490CFJ00 | E200F User system interface board for SH7149(FP-100A)                          | none   |
| ROE571490CFK00 | E200F User system interface board for SH7149(FP-100U)                          | none   |
| ROE572060CFK00 | E200F User system interface board for SH7206(FP-176C)                          | none   |
| ROE572060VKK00 | E200F Evaluation chip unit for SH7206  | none   |
| ROE572110CFK00 | E200F User system interface board for SH7211(FP-144L)                          | none   |
| ROE572110VKK00 | E200F Evaluation chip unit for SH7211  | none   |
| ROE572160VKK00 | E200F Evaluation chip unit for SH7216  | none   |
| ROE572167CBG10 | E200F User system interface board for SH7216(PLBG0176GA-A)                     | none   |
| ROE572167CFK10 | E200F User system interface board for SH7216(FP-176E)                          | none   |
| ROE572167CFL10 | E200F User system interface board for SH7216(FP-176)                           | none   |
| ROE572430CFK00 | E200F User system interface board for SH7243(FP-100U)                          | none   |
| ROE572531CFK10 | E200F User system interface board for SH72531(FP-176E)                         | none   |

| Product name      | Explanation   | Replacement |
|-------------------|---|-------------|
| ROE572546CBF10    | E200F User system interface board for SH72546(BP-272)   | none        |
| ROE572546VKK00    | E200F Evaluation chip unit for SH72546R   | none        |
| ROE572800VKK00    | E200F Evaluation chip unit for SH728x   | none        |
| ROE572850CFK00    | E200F User system interface board for SH7285(FP-144L)   | none        |
| ROE572860CFK00    | E200F User system interface board for SH7286(PLOP0176KB-A)  | none        |
| ROE572860CFL00    | E200F User system interface board for SH7286(PLOP0176LB-A)  | none        |
| M32186T2-PTC      | Converter Board for In-circuit Connection (for M32186FxxFP)   | none        |
| M32192T2-PTC      | Converter Board for In-circuit Connection (for M32192FxxFP)   | none        |
| M34282T2-CPE      | Compact emulator for 4282 group   | none        |
| M34286T2-CPE      | Compact emulator for 4286 group   | none        |
| M34509T2-CPE      | Compact emulator for 4508/4509 groups   | none        |
| M34559T2-CPE      | Compact emulator for 4559 group   | none        |
| M3455AT2-CPE      | Compact emulator for 455A group   | none        |
| M34571T2-CPE      | Compact emulator for 4571 group   | none        |
| M37549T-RLSS      | Emulator MCU for 7548/7549 groups   | none        |
| M3823AT-RLFS      | Emulator MCU for 3823 groups  | none        |
| QB-788002-EA-01T  | Exchange Adapter for IECUBE with voltage regulator and LIN transceiver function.<br>Can be used for uPD788001A/788002A/78F8002A combination with QB-78K0KX1H.                           | none        |
| QB-788006-EA-01T  | Exchange Adapter for IECUBE with voltage regulator and LIN transceiver function.<br>Can be used for uPD788004A/788005A/788006A/78F8004H/78F8005H/78F8006H combination with QB-78K0KX1H. | none        |
| QB-788016-EA-01T  | Exchange Adapter for IECUBE with voltage regulator and LIN transceiver function.<br>Can be used for uPD78F8014A/78F8015A/78F8016A combination with QB-78K0KX2.                          | E1          |
| QB-788020-EA-01T  | Exchange Adapter for IECUBE with voltage regulator and LIN transceiver function.<br>Can be used for PD78F8017A/78F8018A/78F8019A/78F8020A combination with QB-78K0KX2.                  | E1          |
| QB-78F8050-EA-01T | Exchange adapter for uPD78F8050 (LIN4)  | none        |
| QB-179F124-***    | IECUBE for uPD179F124<br>*** : T30MC, T38MC, ZZZ, ZZZ-EE  | none        |
| QB-780731-***     | IECUBE for uPD78F0730<br>*** : T30MC, ZZZ, ZZZ-EE   | none        |
| QB-78F0593-***    | IECUBE for 78K0/Kx2-A<br>*** : T30MC, T36FC, T48GA, ZZZ, ZZZ-EE   | E1          |
| QB-78K0LX3M-***   | IECUBE for 78K0/Lx3-M<br>*** : T100GC, T64GB, ZZZ, ZZZ-EE   | E1          |
| QB-79F0048-ZZZ    | IECUBE for uPD79F0048   | none        |
| QB-79F0070-ZZZ    | IECUBE for uPD79F0070   | none        |
| QB-78K0RKX3C-***  | IECUBE for 78K0R/Kx3-C<br>*** : T100F1, T100GC, T100GF, T80GC, T80GK, ZZZ, ZZZ-EE   | E1          |
| QB-78K0RKX3L-***  | IECUBE for 78K0R/Kx3-L<br>*** : T30MC, T36FC, T38MC, T44GB, T48GA, T52GB, T64F1, T64GA, T64GB, T64GK, ZZZ, ZZZ-EE   | E1          |
| QB-78K0KE2C-TB    | CPU board for 78K0/KE2-C  | none        |
| QB-V850ESIE2-TB   | CPU board for V850ES/IE2  | none        |
| QB-78K0KC2A-TB    | CPU board for 78K0/KC2-A  | none        |
| QB-78K0RHG3-TB    | CPU board for 78K0R/HG3   | none        |
| QB-78K0RKG3C-TB   | CPU board for 78K0RKG3-C  | none        |
| QB-MINI2-RF       | Wireless option for MINICUBE2   | none        |