

■RL78ファミリ セルフプログラミングライブラリ セルフRAMリスト

本リストは、RL78ファミリの以下ライブラリ (European Release/Japanese Release) ご使用時のセルフRAM領域をまとめたものです。  
European ReleaseとJapanese ReleaseはTarget regionが異なります。

●European Release  
Target region:  
Americas/ Brazil/ Europe/ Middle East/ Africa

| ライブラリ 注                                   | リスト内表記  |
|---|---------|
| Flash Self-programming Library Type T01   | FSL T01 |
| Data Flash Access Library Type T04 (Pico) | FDL T04 |
| Data Flash Access Library FDL - T01       | FDL T01 |
| Data Flash Access Library Type T02 (Tiny) | FDL T02 |
| EEPROM Emulation Library EEL - T01        | EEL T01 |
| EEPROM Emulation Library Type T02 (Tiny)  | EEL T02 |

●Japanese Release  
Target region:  
Japan/ Mainland China/ Hong Kong/ Singapore/ South & Southeast Asia/ Oceania/ India/ South Korea/ Taiwan

| ライブラリ 注                                       | リスト内表記     |
|---|------------|
| フラッシュ・セルフ・プログラミングライブラリ (コードフラッシュライブラリ) Type01 | FSL Type01 |
| データフラッシュライブラリ Type04                          | FDL Type04 |
| EEPROMエミュレーションライブラリ Pack01                    | EEL Pack01 |
| EEPROMエミュレーションライブラリ Pack02                    | EEL Pack02 |

注 セルフ・プログラミングおよびデータ・フラッシュ書き換えを行う場合、スタック、フラッシュ・ライブラリで使用するデータ・バッファ、ライブラリ関数の引数、ベクタ割り込み処理の分岐先やDMAによる転送先/転送元で利用するRAMアドレスをFFE20H-FFEDFHの領域に配置しないでください。

-: MCUにセルフRAM用の専用領域があるためセルフRAMの領域確保は必要ありません。

| MCU Group      | Memory size (bytes) |      |                      | Self RAM areas note1  |                        |                        |                        |                                     |                                    |                                    | Target MCU name   |
|----------------|---------------------|------|----------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------------------|------------------------------------|------------------------------------|---|
|                | Code flash memory   | RAM  | Data flash memory    | FSL T01               | FDL T04                | FDL T01                | FDL T02                | EEL T01                             | EEL Pack02                         | EEL T02                            |   |
|                |                     |      |                      | FSL Type01            | FDL Type04             | FDL T01                | FDL T02                | EEL Pack01                          | EEL Pack02                         | EEL T02                            |   |
|                |                     |      |                      | Self RAM size 1Kbytes | Self RAM size 136bytes | Self RAM size 192bytes | Self RAM size 160bytes | Self RAM size 1022bytes (max) note2 | Self RAM size 384bytes (max) note3 | Self RAM size 384bytes (max) note3 |   |
| RL78/D1A       | 24K                 | 2K   | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10CGB  |
|                | 32K                 | 2K   | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10CGC, R5F10DGC                                      |
|                | 48K                 | 3K   | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10CxD (x = G, L, M), R5F10DxD (x = G, L, M)          |
|                | 64K                 | 4K   | 8K                   | FEF00H- FF2FFH note5  | FEF00H- FEF87H         | FEF00H- FEFBFH         | FEF00H- FEF9FH         | FEF00H- FF2FDH                      | FEF00H- FF07FH                     | FEF00H- FF07FH                     | R5F10CME, R5F10DxE (x = G, L, M)                        |
|                | 64K                 | 4K   | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10DPE  |
|                | 96K                 | 6K   | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10DMF, R5F10DPF                                      |
|                | 128K                | 8K   | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10DMG, R5F10DPG                                      |
|                | 256K                | 16K  | 8K                   | FBF00H- FC2FFH note5  | FBF00H- FBF87H         | FBF00H- FBFBFH         | FBF00H- FBF9FH         | FBF00H- FC2FDH                      | FBF00H- FC07FH                     | FBF00H- FC07FH                     | R5F10DMJ, R5F10TPJ, R5F10DPJ                            |
|                | 256K                | 16K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10DSJ  |
|                | 384K                | 20K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10DPK, R5F10DSK                                      |
| 512K           | 24K                 | 8K   | F9F00H- FA2FFH note5 | F9F00H- F9F87H        | F9F00H- F9FBFH         | F9F00H- F9F9FH         | F9F00H- FA2FDH         | F9F00H- FA07FH                      | F9F00H- FA07FH                     | R5F10DPL, R5F10DSL                 |   |
| RL78/F12       | 8K                  | 512  | 4K                   | -                     | -                      | -                      | -                      | Not supported                       | -                                  | -                                  | R5F10968  |
|                | 16K                 | 1K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F109xA (x = 6, A, B, G, L)                            |
|                | 24K                 | 1.5K | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F109xB (x = 6, A, B, G, L)                            |
|                | 32K                 | 2K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F109xC (x = 6, A, B, G, L)                            |
|                | 48K                 | 3K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F109xD (x = 6, A, B, G, L)                            |
|                | 64K                 | 4K   | 4K                   | FEF00H- FF2FFH note5  | FEF00H- FEF87H         | FEF00H- FEFBFH         | FEF00H- FEF9FH         | FEF00H- FF2FDH                      | FEF00H- FF07FH                     | FEF00H- FF07FH                     | R5F109xE (x = 6, A, B, G, L)                            |
| RL78/F13       | 16K                 | 1K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10AmA (m = 6, A, B, G)                               |
|                | 32K                 | 2K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10AmC (m = 6, A, B, G, L), R5F10BnC (n = A, B, G, L) |
|                | 48K                 | 3K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10AmD (m = 6, A, B, G, L), R5F10BnD (n = A, B, G, L) |
|                | 64K                 | 4K   | 4K                   | FEF00H- FF2FFH note5  | FEF00H- FEF87H         | FEF00H- FEFBFH         | FEF00H- FEF9FH         | FEF00H- FF2FDH                      | FEF00H- FF07FH                     | FEF00H- FF07FH                     | R5F10AmE (m = 6, A, B, G, L)                            |
|                | 64K                 | 4K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10AME, R5F10BmE (m = A, B, G, L, M)                  |
|                | 96K                 | 6K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10AmF (m = G, L, M), R5F10BnF (n = A, B, G, L, M)    |
|                | 128K                | 8K   | 4K                   | FDF00H- FE2FFH note5  | FDF00H- FDF87H         | FDF00H- FDFBFH         | FDF00H- FDF9FH         | FDF00H- FE2FDH                      | FDF00H- FE07FH                     | FDF00H- FE07FH                     | R5F10AmG (m = G, L, M), R5F10BnG (n = A, B, G, L, M)    |
|                | 48K                 | 4K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10PmD (m = A, B, G)                                  |
| RL78/F14       | 64K                 | 6K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10PmE (m = A, B, G, L, M, P)                         |
|                | 96K                 | 8K   | 4K                   | FDF00H- FE2FFH note5  | FDF00H- FDF87H         | FDF00H- FDFBFH         | FDF00H- FDF9FH         | FDF00H- FE2FDH                      | FDF00H- FE07FH                     | FDF00H- FE07FH                     | R5F10PmF (m = G, L, M)                                  |
|                | 96K                 | 8K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10PPF  |
|                | 128K                | 10K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10PmG (m = G, L, M, P)                               |
|                | 192K                | 16K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F10PmH (m = G, L, M, P)                               |
|                | 256K                | 20K  | 8K                   | FAF00H- FB2FFH note5  | FAF00H- FAF87H         | FAF00H- FAFBFH         | FAF00H- FAF9FH         | FAF00H- FB2FDH                      | FAF00H- FB07FH                     | FAF00H- FB07FH                     | R5F10PmJ (m = G, L, M, P)                               |
|                | 128K                | 10K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F113mG (m = P, T)                                     |
|                | 192K                | 16K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F113mH (m = P, T)                                     |
| RL78/F15       | 256K                | 20K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F113mJ (m = P, T)                                     |
|                | 384K                | 26K  | 16K                  | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F113mK (m = G, L, M, P, T)                            |
|                | 512K                | 32K  | 16K                  | F7F00H- F82FFH note5  | F7F00H- F7F87H         | F7F00H- F7FBFH         | F7F00H- F7F9FH         | F7F00H- F82FDH                      | F7F00H- F807FH                     | F7F00H- F807FH                     | R5F113mL (m = G, L, M, P, T)                            |
|                | 32K                 | 2K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F114GC  |
| RL78/F1A       | 48K                 | 3K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F114GD  |
|                | 64K                 | 4K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F114GE  |
|                | 96K                 | 6K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F114GF  |
|                | 128K                | 8K   | 4K                   | FDF00H- FE2FFH note5  | FDF00H- FDF87H         | FDF00H- FDFBFH         | FDF00H- FDF9FH         | FDF00H- FE2FDH                      | FDF00H- FE07FH                     | FDF00H- FE07FH                     | R5F114GG  |
| RL78/G10       | 1K                  | 128  | None                 | Not supported         |                        |                        |                        |                                     |                                    |                                    | R5F10Yx4 (x = 1, 4)                                     |
|                | 2K                  | 256  | None                 | Not supported         |                        |                        |                        |                                     |                                    |                                    | R5F10Yx6 (x = 1, 4)                                     |
|                | 4K                  | 512  | None                 | Not supported         |                        |                        |                        |                                     |                                    |                                    | R5F10Yx7 (x = 1, 4)                                     |
| RL78/G11 note7 | 16K                 | 1.5K | 2K                   | FF900H- FFCFFH note5  | FF900H- FF987H         | FF900H- FF9BFH         | FF900H- FF99FH         | Not supported                       |                                    | FF900H- FFA7FH                     | R5F105xA (x = 1, 4, 6-8)                                |
| RL78/G12 note6 | 2K                  | 256  | 2K                   | Not supported         | -                      | Not supported          | Not supported          | Not supported                       |                                    | Not supported                      | R5F10266  |
|                | 4K                  | 512  | 2K                   | -                     | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F10267, R5F10277, R5F102A7                            |
|                | 8K                  | 768  | 2K                   | FFC00H- FFC7FH note5  | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F10268, R5F10278                                      |
|                | 12K                 | 1K   | 2K                   | FFB00H- FFC7FH note5  | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F10269, R5F10279                                      |
|                | 16K                 | 1.5K | 2K                   | FF900H- FFC7FH note5  | FF900H- FF987H         | FF900H- FF9BFH         | FF900H- FF99FH         | Not supported                       |                                    | FF900H- FFA7FH                     | R5F1026A, R5F1027A                                      |
|                | 8K                  | 768  | 2K                   | -                     | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F102A8  |
|                | 12K                 | 1K   | 2K                   | -                     | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F102A9  |
|                | 16K                 | 2K   | 2K                   | -                     | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F102AA  |
|                | 2K                  | 256  | None                 | Not supported         | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F10366  |
|                | 4K                  | 512  | None                 | -                     | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F10367, R5F10377, R5F103A7                            |
|                | 8K                  | 768  | None                 | FFC00H- FFC7FH note5  | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F10368, R5F10378                                      |
|                | 12K                 | 1K   | None                 | FFB00H- FFC7FH note5  | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F10369, R5F10379                                      |
|                | 16K                 | 1.5K | None                 | FF900H- FFC7FH note5  | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F1036A, R5F1037A                                      |
|                | 8K                  | 768  | None                 | -                     | -                      | -                      | -                      | Not supported                       |                                    | -                                  | R5F103A8  |
| 12K            | 1K                  | None | -                    | -                     | -                      | -                      | Not supported          |                                     | -                                  | R5F103A9                           |   |
| 16K            | 2K                  | None | -                    | -                     | -                      | -                      | Not supported          |                                     | -                                  | R5F103AA                           |   |
| RL78/G13       | 16K                 | 2K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F100xA (x = 6-8, A-C, E-G)                            |
|                | 32K                 | 2K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F100xC (x = 6-8, A-C, E-G, J, L)                      |
|                | 48K                 | 3K   | 4K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F100xD (x = 6-8, A-C, E-G, J, L)                      |
|                | 64K                 | 4K   | 4K                   | FEF00H- FF2FFH note5  | FEF00H- FEF87H         | FEF00H- FEFBFH         | FEF00H- FEF9FH         | FEF00H- FF2FDH                      | FEF00H- FF07FH                     | FEF00H- FF07FH                     | R5F100xE (x = 6-8, A-C, E-G, J, L)                      |
|                | 96K                 | 8K   | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F100xF (x = A-C, E-G, J, L, M, P)                     |
|                | 128K                | 12K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F100xG (x = A-C, E-G, J, L, M, P)                     |
|                | 192K                | 16K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F100xH (x = E-G, J, L, M, P, S)                       |
|                | 256K                | 20K  | 8K                   | FAF00H- FB2FFH note5  | FAF00H- FAF87H         | FAF00H- FAFBFH         | FAF00H- FAF9FH         | FAF00H- FB2FDH                      | FAF00H- FB07FH                     | FAF00H- FB07FH                     | R5F100xJ (x = F, G, J, L, M, P)                         |
|                | 256K                | 20K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F100SJ  |
|                | 384K                | 24K  | 8K                   | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F100xK (x = F, G, J, L, M, P, S)                      |
|                | 512K                | 32K  | 8K                   | F7F00H- F82FFH note5  | F7F00H- F7F87H         | F7F00H- F7FBFH         | F7F00H- F7F9FH         | F7F00H- F82FDH                      | F7F00H- F807FH                     | F7F00H- F807FH                     | R5F100xL (x = F, G, J, L, M, P, S)                      |
|                | 16K                 | 2K   | None                 | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F101xA (x = 6-8, A-C, E-G)                            |
|                | 32K                 | 2K   | None                 | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F101xC (x = 6-8, A-C, E-G, J, L)                      |
|                | 48K                 | 3K   | None                 | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F101xD (x = 6-8, A-C, E-G, J, L)                      |
|                | 64K                 | 4K   | None                 | FEF00H- FF2FFH note5  | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F101xE (x = 6-8, A-C, E-G, J, L)                      |
|                | 96K                 | 8K   | None                 | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F101xF (x = A-C, E-G, J, L, M, P)                     |
|                | 128K                | 12K  | None                 | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F101xG (x = A-C, E-G, J, L, M, P)                     |
|                | 192K                | 16K  | None                 | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F101xH (x = E-G, J, L, M, P, S)                       |
|                | 256K                | 20K  | None                 | FAF00H- FB2FFH note5  | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F101xJ (x = F, G, J, L, M, P)                         |
|                | 256K                | 20K  | None                 | -                     | -                      | -                      | -                      | -                                   | -                                  | -                                  | R5F101SJ  |
| 384K           | 24K                 | None | -                    | -                     | -                      | -                      | -                      | -                                   | -                                  | R5F101xK (x = F, G, J, L, M, P, S) |   |
| 512K           | 32K                 | None | F7F00H- F82FFH note5 | -                     | -                      | -                      | -                      | -                                   | -                                  | R5F101xL (x = F, G, J, L, M, P, S) |   |

| MCU Group             | Memory size (bytes) |      |                       | Self RAM areas <b>note1</b> |                        |                        |   |   |   |  | Target MCU name                                |
|-----------------------|---------------------|------|-----------------------|-----------------------------|------------------------|------------------------|---|---|---|--|--|
|                       | Code flash memory   | RAM  | Data flash memory     | FSL T01                     | FDL T04                | FDL T01                | FDL T02                                   | EEL T01                                   | EEL Pack02                                | EEL T02                                  |  |
|                       |                     |      |                       | FSL Type01                  | FDL Type04             | FDL T01                | FDL T02                                   | EEL Pack01                                | EEL Pack02                                | EEL T02                                  |  |
|                       |                     |      | Self RAM size 1Kbytes | Self RAM size 136bytes      | Self RAM size 192bytes | Self RAM size 160bytes | Self RAM size 102bytes (max) <b>note2</b> | Self RAM size 384bytes (max) <b>note3</b> | Self RAM size 384bytes (max) <b>note3</b> |  |  |
| RL78/G13A             | 384K                | 24K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F140xK (x = F, G, L, P)                      |
|                       | 512K                | 32K  | 8K                    | F7F00H- F82FFH <b>note5</b> | F7F00H- F7F87H         | F7F00H- F7FBFH         | F7F00H- F7F9FH                            | F7F00H- F82FDH                            | F7F00H- F807FH                            | F7F00H- F807FH                           | R5F140xL (x = F, G, L, P)                      |
| RL78/G14              | 16K                 | 2.5K | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F104xA (x = A-C, E-G)                        |
|                       | 32K                 | 4K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F104xC (x = A-C, E-G, J, L)                  |
|                       | 48K                 | 5.5K | 4K                    | FE900H- FECFFH <b>note5</b> | FE900H- FE987H         | FE900H- FE9BFH         | FE900H- FE99FH                            | FE900H- FECFDH                            | FE900H- FEA7FH                            | FE900H- FEA7FH                           | R5F104xD (x = A-C, E-G, J, L)                  |
|                       | 64K                 | 5.5K | 4K                    | FE900H- FECFFH <b>note5</b> | FE900H- FE987H         | FE900H- FE9BFH         | FE900H- FE99FH                            | FE900H- FECFDH                            | FE900H- FEA7FH                            | FE900H- FEA7FH                           | R5F104xE (x = A-C, E-G, J, L)                  |
|                       | 96K                 | 12K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F104xF (x = A-C, E-G, J, L, M, P)            |
|                       | 128K                | 16K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F104xG (x = A-C, E-G, J, L, M, P)            |
|                       | 192K                | 20K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F104xH (x = E-G, J, L, M, P)                 |
|                       | 256K                | 24K  | 8K                    | F9F00H- FA2FFH <b>note5</b> | F9F00H- F9F87H         | F9F00H- F9FBFH         | F9F00H- F9F9FH                            | F9F00H- FA2FDH                            | F9F00H- FA07FH                            | F9F00H- FA07FH                           | R5F104xJ (x = F, G, J, L, M, P)                |
|                       | 384K                | 32K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F104xK (x = G, L, M, P)                      |
|                       | 512K                | 48K  | 8K                    | F3F00H- F42FFH <b>note5</b> | F3F00H- F3F87H         | F3F00H- F3FBFH         | F3F00H- F3F9FH                            | F3F00H- F42FDH                            | F3F00H- F407FH                            | F3F00H- F407FH                           | R5F104xL (x = G, L, M, P)                      |
| RL78/G1A              | 16K                 | 2K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10ExA (x = 8, B, G)                         |
|                       | 32K                 | 2K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10ExC (x = 8, B, G, L)                      |
|                       | 48K                 | 3K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10ExD (x = 8, B, G, L)                      |
|                       | 64K                 | 4K   | 4K                    | FEF00H- FF2FFH <b>note5</b> | FEF00H- FEF87H         | FEF00H- FEFBFH         | FEF00H- FEF9FH                            | FEF00H- FF2FDH                            | FEF00H- FF07FH                            | FEF00H- FF07FH                           | R5F10ExE (x = 8, B, G, L)                      |
| RL78/G1C              | 32K                 | 5.5K | 2K                    | FE900H- FECFFH <b>note5</b> | FE900H- FE987H         | FE900H- FE9BFH         | FE900H- FE99FH                            | Not supported                             | FE900H- FEA7FH                            | R5F10JxC (x = B, G), R5F10KxC (x = B, G) |  |
| RL78/G1D              | 128K                | 12K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F11AGG                                       |
|                       | 192K                | 16K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F11AGH                                       |
|                       | 256K                | 20K  | 8K                    | FAF00H- FB2FFH <b>note5</b> | FAF00H- FAF87H         | FAF00H- FAFBFH         | FAF00H- FAF9FH                            | FAF00H- FB2FDH                            | FAF00H- FB07FH                            | FAF00H- FB07FH                           | R5F11AGJ                                       |
| RL78/G1E              | 32K                 | 2K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10FxC (x = L, M)                            |
|                       | 48K                 | 3K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10FxD (x = L, M)                            |
|                       | 64K                 | 4K   | 4K                    | FEF00H- FF2FFH <b>note5</b> | FEF00H- FEF87H         | FEF00H- FEFBFH         | FEF00H- FEF9FH                            | FEF00H- FF2FDH                            | FEF00H- FF07FH                            | FEF00H- FF07FH                           | R5F10FxE (x = L, M)                            |
| RL78/G1F              | 32K                 | 5.5K | 4K                    | FE900H- FECFFH <b>note5</b> | FE900H- FE987H         | FE900H- FE9BFH         | FE900H- FE99FH                            | FE900H- FECFDH                            | FE900H- FEA7FH                            | FE900H- FEA7FH                           | R5F11BxC (x = 7, B, C, G, L)                   |
|                       | 64K                 | 5.5K | 4K                    | FE900H- FECFFH <b>note5</b> | FE900H- FE987H         | FE900H- FE9BFH         | FE900H- FE99FH                            | FE900H- FECFDH                            | FE900H- FEA7FH                            | FE900H- FEA7FH                           | R5F11BxE (x = 7, B, C, G, L)                   |
| RL78/G1G <b>note6</b> | 8K                  | 1.5K | None                  | FF900H- FFC7FH <b>note5</b> | Not supported          |                        |   |   |   |  | R5F11Ex8 (x = A, B, F)                         |
|                       | 16K                 | 1.5K | None                  | FF900H- FFC7FH <b>note5</b> | Not supported          |                        |   |   |   |  | R5F11ExA (x = A, B, F)                         |
| RL78/G1H              | 256K                | 24K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F11FLJ                                       |
|                       | 384K                | 32K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F11FLK                                       |
|                       | 512K                | 48K  | 8K                    | F3F00H- F42FFH <b>note5</b> | F3F00H- F3F87H         | F3F00H- F3FBFH         | F3F00H- F3F9FH                            | F3F00H- F42FDH                            | F3F00H- F407FH                            | F3F00H- F407FH                           | R5F11FLL                                       |
| RL78/G1M              | 4K                  | 512  | None                  | Not supported               |                        |                        |   |   |   |  | R5F11W67                                       |
|                       | 8K                  | 1K   | None                  | Not supported               |                        |                        |   |   |   |  | R5F11W68                                       |
| RL78/G1N              | 4K                  | 512  | None                  | Not supported               |                        |                        |   |   |   |  | R5F11Y67                                       |
|                       | 8K                  | 1K   | None                  | Not supported               |                        |                        |   |   |   |  | R5F11Y68                                       |
| RL78/G1P <b>note6</b> | 16K                 | 1.5K | 2K                    | FF900H- FFC7FH <b>note5</b> | FF900H- FF987H         | FF900H- FF9BFH         | FF900H- FF99FH                            | Not supported                             | FF900H- FFA7FH                            | R5F11ZxC (x = 7, B)                      |  |
| RL78/H1D              | 64K                 | 5.5K | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F11NME                                       |
|                       | 96K                 | 5.5K | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F11xF (x = NG, NL, NM, PL)                   |
|                       | 128K                | 5.5K | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F11xG (x = NG, NL, NM, PL)                   |
|                       | 128K                | 8K   | 4K                    | FD00H- FE2FFH <b>note5</b>  | FD00H- FDF87H          | FD00H- FDFBFH          | FD00H- FDF9FH                             | FD00H- FE2FDH                             | FD00H- FE07FH                             | FD00H- FE07FH                            | R5F11RMG                                       |
| RL78/H1A              | 32K                 | 2K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F1076C, R5F107AC                             |
|                       | 64K                 | 4K   | 4K                    | FEF00H- FF2FFH <b>note5</b> | FEF00H- FEF87H         | FEF00H- FEFBFH         | FEF00H- FEF9FH                            | FEF00H- FF2FDH                            | FEF00H- FF07FH                            | FEF00H- FF07FH                           | R5F107AE, R5F107DE                             |
| RL78/H1B              | 64K                 | 6K   | None                  | -                           | Not supported          |                        |   |   |   |  | R5F10MME, R5F10MPE                             |
|                       | 128K                | 8K   | None                  | FD00H- FE2FFH <b>note5</b>  | Not supported          |                        |   |   |   |  | R5F10MMG, R5F10MPG                             |
| RL78/H1C              | 64K                 | 6K   | 2K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10NxE (x = L, M), R5F11TLE                  |
|                       | 128K                | 8K   | 2K                    | FD00H- FE2FFH <b>note5</b>  | FD00H- FDF87H          | FD00H- FDFBFH          | FD00H- FDF9FH                             | Not supported                             |   | FD00H- FE07FH                            | R5F10NxG (x = L, M), R5F11TLG                  |
|                       | 128K                | 8K   | 2K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10NPG                                       |
|                       | 256K                | 16K  | 2K                    | FBF00H- FC2FFH <b>note5</b> | FBF00H- FBF87H         | FBF00H- FBFBFH         | FBF00H- FBF9FH                            | -   | -   | FBF00H- FC07FH                           | R5F10NxJ (x = M, P)                            |
|                       | 512K                | 32K  | 2K                    | F7F00H- F82FFH <b>note5</b> | F7F00H- F7F87H         | F7F00H- F7FBFH         | F7F00H- F7F9FH                            | -   | -   | F7F00H- F807FH                           | R5F10NxL (x = M, P)                            |
| RL78/H1D              | 8K                  | 768  | 2K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F117x8 (x = 6, 7, A)                         |
|                       | 16K                 | 2K   | 2K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F117xA (x = 6, 7, A, B, G)                   |
|                       | 32K                 | 3K   | 2K                    | FF300H- FF6FFH <b>note5</b> | FF300H- FF387H         | FF300H- FE3BFH         | FF300H- FF39FH                            | -   | -   | FF300H- FF47FH                           | R5F117xC (x = A, B, G)                         |
| RL78/H1E              | 32K                 | 8K   | 4K                    | FD00H- FE2FFH <b>note5</b>  | FD00H- FDF87H          | FD00H- FDFBFH          | FD00H- FDF9FH                             | FD00H- FE2FDH                             | FD00H- FE07FH                             | FD00H- FE07FH                            | R5F11CxG (x = B, C)                            |
| RL78/L12 <b>note6</b> | 8K                  | 1K   | 2K                    | FFB00H- FFC7FH <b>note5</b> | -                      | -                      | -   | -   | -   | -  | R5F10Rx8 (x = B, F, G, J)                      |
|                       | 16K                 | 1K   | 2K                    | FFB00H- FFC7FH <b>note5</b> | -                      | -                      | -   | -   | -   | -  | R5F10RxA (x = B, F, G, J, L)                   |
|                       | 32K                 | 1.5K | 2K                    | FF900H- FFC7FH <b>note5</b> | FF900H- FF987H         | FF900H- FF9BFH         | FF900H- FF99FH                            | -   | -   | FF900H- FFA7FH                           | R5F10RxC (x = B, F, G, J, L)                   |
| RL78/L13              | 16K                 | 1K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10WLA, R5F10WMA                             |
|                       | 32K                 | 1.5K | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10WLC, R5F10WMC                             |
|                       | 48K                 | 2K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10WLD, R5F10WMD                             |
|                       | 64K                 | 4K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10WLE, R5F10WME                             |
|                       | 96K                 | 6K   | 4K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F10WLF, R5F10WMF                             |
|                       | 128K                | 8K   | 4K                    | FD00H- FE2FFH <b>note5</b>  | FD00H- FDF87H          | FD00H- FDFBFH          | FD00H- FDF9FH                             | FD00H- FE2FDH                             | FD00H- FE07FH                             | FD00H- FE07FH                            | R5F10WLG, R5F10WVG                             |
| RL78/L1A              | 48K                 | 5.5K | 8K                    | FE900H- FECFFH <b>note5</b> | FE900H- FE987H         | FE900H- FE9BFH         | FE900H- FE99FH                            | FE900H- FECFDH                            | FE900H- FEA7FH                            | FE900H- FEA7FH                           | R5F11MMD                                       |
|                       | 64K                 | 5.5K | 8K                    | FE900H- FECFFH <b>note5</b> | FE900H- FE987H         | FE900H- FE9BFH         | FE900H- FE99FH                            | FE900H- FECFDH                            | FE900H- FEA7FH                            | FE900H- FEA7FH                           | R5F11MxE (x = M, P)                            |
|                       | 96K                 | 5.5K | 8K                    | FE900H- FECFFH <b>note5</b> | FE900H- FE987H         | FE900H- FE9BFH         | FE900H- FE99FH                            | FE900H- FECFDH                            | FE900H- FEA7FH                            | FE900H- FEA7FH                           | R5F11MxF (x = M, P)                            |
|                       | 128K                | 5.5K | 8K                    | FE900H- FECFFH <b>note5</b> | FE900H- FE987H         | FE900H- FE9BFH         | FE900H- FE99FH                            | FE900H- FECFDH                            | FE900H- FEA7FH                            | FE900H- FEA7FH                           | R5F11MPG                                       |
| RL78/L1C              | 64K                 | 8K   | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F110xE (x = M, N, P), R5F111xE (x = M, N, P) |
|                       | 96K                 | 10K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F110xF (x = M, N, P), R5F111xF (x = M, N, P) |
|                       | 128K                | 12K  | 8K                    | -                           | -                      | -                      | -   | -   | -   | -  | R5F110xG (x = M, N, P), R5F111xG (x = M, N, P) |
|                       | 192K                | 16K  | 8K                    | FBF00H- FC2FFH <b>note5</b> | FBF00H- FBF87H         | FBF00H- FBFBFH         | FBF00H- FBF9FH                            | FBF00H- FC2FDH                            | FBF00H- FC07FH                            | FBF00H- FC07FH                           | R5F110xH (x = M, N, P), R5F111xH (x = M, N, P) |
|                       | 256K                | 16K  | 8K                    | FBF00H- FC2FFH <b>note5</b> | FBF00H- FBF87H         | FBF00H- FBFBFH         | FBF00H- FBF9FH                            | FBF00H- FC2FDH                            | FBF00H- FC07FH                            | FBF00H- FC07FH                           | R5F110xJ (x = M, N, P), R5F111xJ (x = M, N, P) |

**note1**  
セルフRAM領域のスタートアドレスは固定で必要サイズ分がアドレス上位方向に確保されます。

**note2**  
EEL T01およびEEL Pack01で使用するセルフRAMサイズは、使用する"EEL variables(Data ID)"の数に依存します。  
ご使用条件にあわせて以下の計算式でサイズを求めてください。  
512 + N \* 2 byte, where N=1~255: number of the EEL variables(Data ID)

**note3**  
EEL T02およびEEL Pack02で使用するセルフRAMサイズは、使用する"EEL variables(Data ID)"の数に依存します。  
ご使用条件にあわせて以下の計算式でサイズを求めてください。  
256 + N \* 2 byte, where N=1~64: number of the EEL variables(Data ID)

**note4**  
FSL T01およびFSL Type01 V2.20未満の場合のセルフRAMは「FF300H-FF309H」です。

**note5**  
FSL T01およびFSL Type01 V2.20未満の場合のセルフRAMはアドレス上位側に+10バイト必要です。  
例> RL78/G13 ROM:64KB、RAM:4KBの場合 : FEF00H-FF2FFH+10バイト → FEF00H-FF309H  
FSL T01およびFSL Type01 V2.20未満使用時のセルフRAM領域は「FEF00H-FF309H」です。

**note6**  
FSL T01およびFSL Type01のサポート対象関数は基本関数のみで、その他の関数はサポート対象外です。  
基本関数: FSL\_Init, FSL\_Open, FSL\_Close, FSL\_PrepareFunctions, FSL\_BlankCheck, FSL\_Erase, FSL\_IVerify, FSL\_Write, FSL\_StatusCheck

**note7**  
RL78/G11グループ製品でのステータス・チェック・モードは、ステータス・チェック・インターナル・モードのみのサポートになります。  
RL78/G11グループ製品でのFSL T01およびFSL Type01のサポート関数はG11対象関数のみで、その他の関数はサポート対象外です。  
G11対象関数:  
FSL\_Init, FSL\_Open, FSL\_Close, FSL\_PrepareFunctions, FSL\_PrepareExtFunctions, FSL\_BlankCheck, FSL\_Erase, FSL\_IVerify, FSL\_Write, FSL\_GetBootFlag, FSL\_GetSwapState, FSL\_GetFlashShieldWindow, FSL\_SwapBootCluster, FSL\_InvertBootFlag, FSL\_SetFlashShieldWindow, FSL\_ForceReset

・本資料に記載の全ての情報は本資料発行時点のものであり、ルネサスエレクトロニクスは、予告なしに、本資料に記載した製品または仕様を変更することがあります。  
・本資料に記載されている情報は、正確を期すため慎重に作成したものでありますが、誤りがないことを保証するものではありません。万一、本資料に記載されている情報の誤りに起因する損害がお客様に生じた場合においても、当社は、一切その責任を負いません。